Building knowledge

Job Order Contract Construction Task Catalog®

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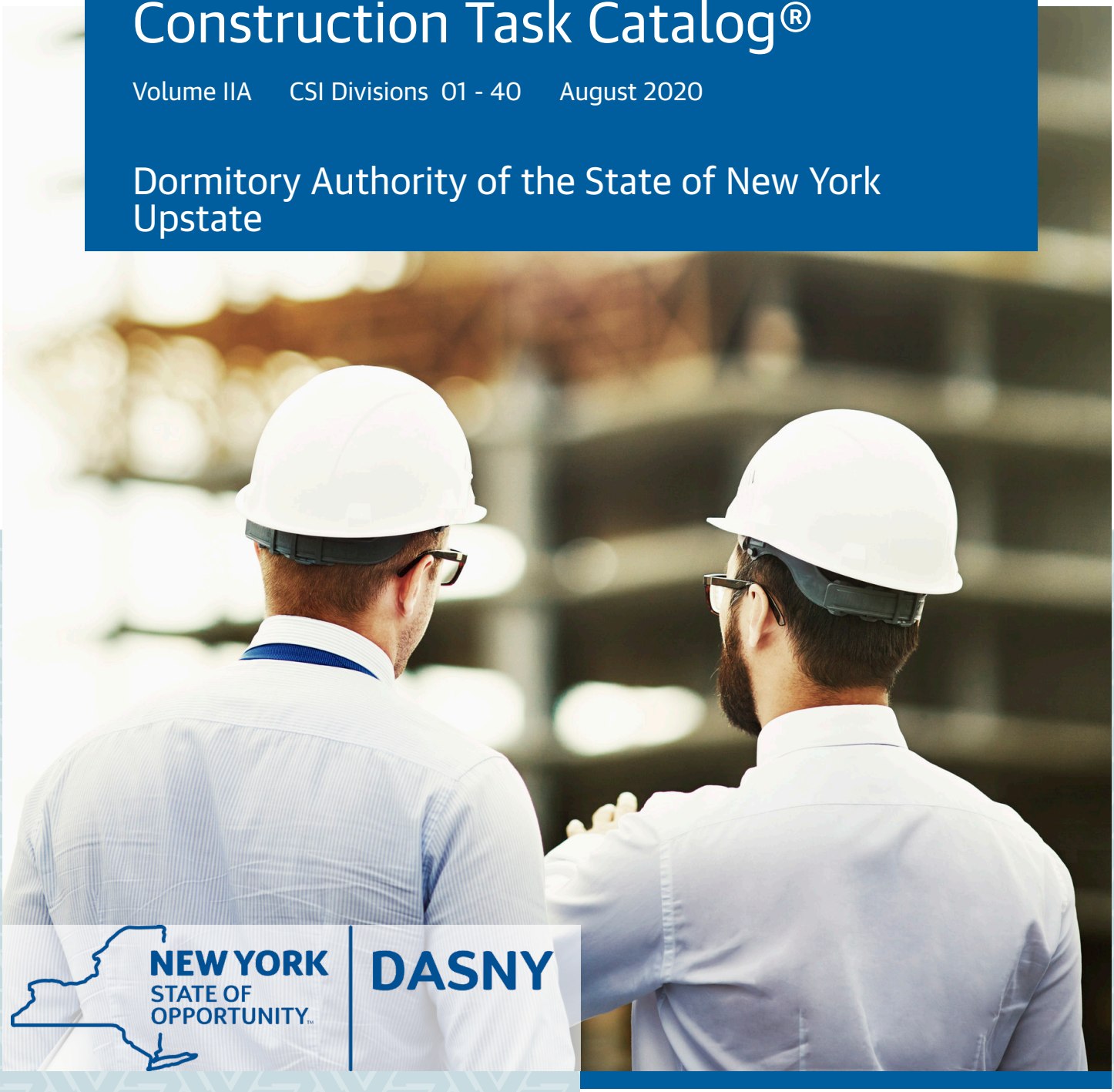
Dormitory Authority of the State of New York Upstate



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CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

LABOR COSTS:

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

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

PROJECT RELATED COSTS:

- ☑ Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price X Quantity X Adjustment Factor

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

General Rules:

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

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

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

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

FIELD ENGINEERING:

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

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

ASSEMBLIES:

☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

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

Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

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1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2)height
- Surface Area = 2 π radius^2+(2 π radius)height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

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

TRADEMARKS

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

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 20 Price And Payment Procedures (01)

01 22 Unit Prices (01 20)

01 22 16 Unit Price Payment (01 22)

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

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

01 22 16 00-0002	EA	Reimbursable Fees	1.00

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

01 22 20 Wage Rates (01 22)

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

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

01 22 20 00-0002	HR	Asbestos Removal Worker	77.51
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.88*
		For Apprentice, Deduct	*-15.50*
01 22 20 00-0003	HR	Insulator	69.97
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.50*
		For Apprentice, Deduct	*-13.99*
01 22 20 00-0004	HR	Boilermaker	78.80
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.94*
		For Apprentice, Deduct	*-15.76*
01 22 20 00-0005	HR	Brick Layer	78.39
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.92*
		For Apprentice, Deduct	*-15.68*
01 22 20 00-0006	HR	Carpenter	75.19
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.76*
		For Apprentice, Deduct	*-15.04*
01 22 20 00-0007	HR	Carpet, Linoleum	75.19
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.76*
		For Apprentice, Deduct	*-15.04*
01 22 20 00-0008	HR	Cement Mason	77.77
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.89*
		For Apprentice, Deduct	*-15.55*
01 22 20 00-0009	HR	Drywall Finisher	63.36
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.17*
		For Apprentice, Deduct	*-12.67*
01 22 20 00-0010	HR	Electrician	79.09
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.95*
		For Apprentice, Deduct	*-15.82*
01 22 20 00-0011	HR	Elevator Repair/Maintenance	127.21
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*6.36*
		For Apprentice, Deduct	*-25.44*
01 22 20 00-0012	HR	Equipment Operator, Heavy (Crane)	85.30
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*4.27*
		For Apprentice, Deduct	*-17.06*
01 22 20 00-0013	HR	Equipment Operator, Medium (Bulldozer)	81.29
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*4.06*
		For Apprentice, Deduct	*-16.26*
01 22 20 00-0014	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader)	75.30
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.77*
		For Apprentice, Deduct	*-15.06*
01 22 20 00-0015	HR	Glazier	59.83
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*2.99*
		For Apprentice, Deduct	*-11.97*
01 22 20 00-0016	HR	Laborer	68.29
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0017	HR	Lather	72.89
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	*3.64*
		For Apprentice, Deduct	*-14.58*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0018	HR	Marble Setter	77.43	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.87*	
		For Apprentice, Deduct	*-15.49*	
01 22 20 00-0019	HR	Millwright	73.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.66*	
		For Apprentice, Deduct	*-14.62*	
01 22 20 00-0020	HR	Painter, Ordinary	62.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.13*	
		For Apprentice, Deduct	*-12.54*	
01 22 20 00-0021	HR	Painter, Structural Steel	70.91	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.55*	
		For Apprentice, Deduct	*-14.18*	
01 22 20 00-0022	HR	Paperhanger	62.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.13*	
		For Apprentice, Deduct	*-12.54*	
01 22 20 00-0023	HR	Pile Drivers	87.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.35*	
		For Apprentice, Deduct	*-17.41*	
01 22 20 00-0024	HR	Plasterer	63.50	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.18*	
		For Apprentice, Deduct	*-12.70*	
01 22 20 00-0025	HR	Plumber	75.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.76*	
		For Apprentice, Deduct	*-15.02*	
01 22 20 00-0026	HR	Powderman	75.78	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.79*	
		For Apprentice, Deduct	*-15.16*	
01 22 20 00-0027	HR	Rodman (Reinforcing)/Ornamental Steel Worker	73.54	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.68*	
		For Apprentice, Deduct	*-14.71*	
01 22 20 00-0028	HR	Roofer, Composite	68.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.40*	
		For Apprentice, Deduct	*-13.60*	
01 22 20 00-0029	HR	Roofer, Tile/Slate	68.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.41*	
		For Apprentice, Deduct	*-13.65*	
01 22 20 00-0030	HR	Sheet Metal Worker	72.91	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.65*	
		For Apprentice, Deduct	*-14.58*	
01 22 20 00-0031	HR	Sprinkler Installer	72.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.64*	
		For Apprentice, Deduct	*-14.55*	
01 22 20 00-0032	HR	Steam / Pipe Fitter	75.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.76*	
		For Apprentice, Deduct	*-15.02*	
01 22 20 00-0033	HR	Stone Mason	78.39	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.92*	
		For Apprentice, Deduct	*-15.68*	
01 22 20 00-0034	HR	Structural Steel Worker	77.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.89*	
		For Apprentice, Deduct	*-15.58*	
01 22 20 00-0035	HR	Tile Layer	72.36	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.62*	
		For Apprentice, Deduct	*-14.47*	
01 22 20 00-0036	HR	Terrazzo Worker	72.36	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.62*	
		For Apprentice, Deduct	*-14.47*	
01 22 20 00-0037	HR	Truck Driver, Light	69.35	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.47*	
		For Apprentice, Deduct	*-13.87*	
01 22 20 00-0038	HR	Truck Driver, Heavy	69.35	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.47*	
		For Apprentice, Deduct	*-13.87*	

01 22 20 00-0039 Rates For Services *(01 22 20)*

01 22 20 00-0040	HR	Watchman/Guard, Unarmed	26.09
01 22 20 00-0041	HR	Watchman/Guard, Armed	32.36
01 22 20 00-0042	HR	Estimator	90.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0043	HR	Senior Surveyor (Party Chief)	88.74	
01 22 20 00-0044	HR	Surveyor (Rod person)	67.50	
01 22 20 00-0045	HR	On-Site Certified Materials Testing Technician	73.38	
01 22 20 00-0046	HR	Certified Industrial Hygienist	99.12	
01 22 20 00-0047	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera) Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.58	

01 22 20 00-0048 Rates For Architectural And Engineering Services *(01 22 20)*

01 22 20 00-0049	HR	Principal Architect	225.00	
01 22 20 00-0050	HR	Senior Architect	200.00	
01 22 20 00-0051	HR	Architect	120.00	
01 22 20 00-0052	HR	Principal Engineer	200.00	
01 22 20 00-0053	HR	Senior Engineer	175.00	
01 22 20 00-0054	HR	Engineer	117.50	
01 22 20 00-0055	HR	Draftsman	100.00	
01 22 20 00-0056	HR	Project Manager	200.00	

01 22 20 00-0057 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0058	HR	Flagperson For Traffic Control	67.88	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0057 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

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

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

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

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	328.51	
		For Four-Wheel Drive, Add	*73.91*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	826.57	
		For Four-Wheel Drive, Add	*185.98*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,854.48	
		For Four-Wheel Drive, Add	*417.26*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	482.16	
		For Four-Wheel Drive, Add	*108.49*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,149.77	
		For Four-Wheel Drive, Add	*258.70*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	2,516.79	
		For Four-Wheel Drive, Add	*566.28*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	937.83	
		For Four-Wheel Drive, Add	*211.01*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	2,273.06	
		For Four-Wheel Drive, Add	*511.44*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	4,768.65	
		For Four-Wheel Drive, Add	*1,072.95*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,335.22	
		For Four-Wheel Drive, Add	*300.42*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	3,215.13	
		For Four-Wheel Drive, Add	*723.40*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	8,011.33	
		For Four-Wheel Drive, Add	*1,802.55*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	1,626.64	
		For Four-Wheel Drive, Add	*365.99*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	4,148.73	
		For Four-Wheel Drive, Add	*933.46*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	9,431.33	
		For Four-Wheel Drive, Add	*2,122.05*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

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

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	314.74	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	789.70	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,899.87	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	400.58	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	875.54	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,173.41	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	515.02	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,190.28	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,660.96	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	898.43	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,117.32	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,149.11	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,745.36	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	4,120.20	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	10,071.60	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	314.74	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	789.70	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,899.87	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	314.74	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	789.70	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,899.87	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	389.13	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	841.21	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,088.71	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	389.13	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	841.21	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,088.71	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

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

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	160.41	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	320.83	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	656.24	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	175.00	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	349.99	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	699.98	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	226.04	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	452.07	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	969.77	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	291.66	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	576.03	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,276.01	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	313.53	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	612.49	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,385.38	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	408.32	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,013.52	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	2,821.81	

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

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

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	328.12	
		For Four-Wheel Drive, Add	*65.62*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	641.65	
		For Four-Wheel Drive, Add	*128.33*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,567.67	
		For Four-Wheel Drive, Add	*313.53*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	335.41	
		For Four-Wheel Drive, Add	*67.08*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	765.61	
		For Four-Wheel Drive, Add	*153.12*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,677.04	
		For Four-Wheel Drive, Add	*335.41*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	371.87	
		For Four-Wheel Drive, Add	*74.37*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	853.11	
		For Four-Wheel Drive, Add	*170.62*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	1,895.79	
		For Four-Wheel Drive, Add	*379.16*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	393.74	
		For Four-Wheel Drive, Add	*78.75*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	918.73	
		For Four-Wheel Drive, Add	*183.75*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,260.36	
		For Four-Wheel Drive, Add	*452.07*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	736.44	
		For Four-Wheel Drive, Add	*147.29*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,618.71	
		For Four-Wheel Drive, Add	*323.74*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	3,981.16	
		For Four-Wheel Drive, Add	*796.23*	

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

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

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	95.00	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	269.15	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	543.58	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	131.94	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	279.71	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	949.95	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	221.66	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	538.30	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	1,572.70	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	237.49	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	591.08	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	1,778.52	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	126.66	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	253.32	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	506.64	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	126.66	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	253.32	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	526.69	

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

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

01 22 23 00-0106	DAY	29' Bucket Truck With Full-Time Operator	1,070.39	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-0107	WK	29' Bucket Truck With Full-Time Operator	4,320.74	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-0108	MO	29' Bucket Truck With Full-Time Operator	15,893.81	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-0109	DAY	38' Bucket Truck With Full-Time Operator	1,136.02	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-0110	WK	38' Bucket Truck With Full-Time Operator	4,531.67	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-0111	MO	38' Bucket Truck With Full-Time Operator	16,456.31	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-0112	DAY	48' Bucket Truck With Full-Time Operator	1,304.77	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-0113	WK	48' Bucket Truck With Full-Time Operator	4,836.36	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-0114	MO	48' Bucket Truck With Full-Time Operator	17,112.56	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	1,679.77	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	6,055.11	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	20,393.81	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	1,867.27	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	6,711.36	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	22,737.56	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	1,961.02	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	6,992.61	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	22,962.57	
		For Equipment Without Operator, Deduct	*-11,956.32*	

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

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

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

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	104.62	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	313.85	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	871.81	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	125.54	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	369.65	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,046.18	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	167.39	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	376.62	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	829.97	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	237.13	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	599.81	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	1,429.77	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	527.27	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	1,269.36	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	3,163.63	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	634.68	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	1,562.29	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	3,835.98	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	634.68	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	1,562.29	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	3,835.98	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	739.30	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	1,657.14	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	4,419.04	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	920.63	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	2,071.43	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	5,523.80	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0153			Compaction And Paving Equipment *(01 22 23)*		
01 22 23 00-0154			Pavers And Rollers *(01 22 23 00-0153)*		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0155			Pavers *(01 22 23 00-0154)*		
01 22 23 00-0156		DAY	10' Wide Paving Machine With Full-Time Operator	2,600.14	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0157		WK	10' Wide Paving Machine With Full-Time Operator	11,050.85	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0158		MO	10' Wide Paving Machine With Full-Time Operator	41,870.40	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0159			Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0154)*		
01 22 23 00-0160		DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	971.23	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0161		WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,141.38	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0162		MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,587.52	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0163		DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,175.46	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0164		WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,554.69	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0165		MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,890.67	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0166		DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,224.09	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0167		WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,861.03	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0168		MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,746.47	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0169			Static Rollers *(01 22 23 00-0154)*		
01 22 23 00-0170		DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	995.55	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0171		WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	4,350.46	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0172		MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	17,273.14	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0173		DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,102.52	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0174		WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	4,642.22	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0175		MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	18,080.31	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0176			Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0154)*		
01 22 23 00-0177		DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	961.51	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0178		WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,170.55	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0179		MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,446.51	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0180		DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,024.72	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0181		WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,355.33	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0182		MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,927.90	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0183		DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,151.15	
			For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0184		WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,724.88	
			For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0185		MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,905.26	
			For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0186			Steel Roadway Plates *(01 22 23 00-0153)*		
			Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0187		EA	Mobilization of Steel Roadway Plates	351.13	
			Note: Mobilization for each site location.		
01 22 23 00-0188		EA	Placement And Removal Of Steel Roadway Plates	41.33	
01 22 23 00-0189		DAY	1" x 4' x 8' Steel Plate	25.78	
01 22 23 00-0190		WK	1" x 4' x 8' Steel Plate	60.87	
01 22 23 00-0191		MO	1" x 4' x 8' Steel Plate	80.10	
01 22 23 00-0192		DAY	1" x 4' x 10' Steel Plate	34.37	
01 22 23 00-0193		WK	1" x 4' x 10' Steel Plate	77.34	
01 22 23 00-0194		MO	1" x 4' x 10' Steel Plate	94.53	
01 22 23 00-0195		DAY	1" x 5' x 10' Steel Plate	35.80	
01 22 23 00-0196		WK	1" x 5' x 10' Steel Plate	80.92	
01 22 23 00-0197		MO	1" x 5' x 10' Steel Plate	214.83	
01 22 23 00-0198		DAY	1" x 6' x 8' Steel Plate	22.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0199	WK	1" x 6' x 8' Steel Plate	51.56	
01 22 23 00-0200	MO	1" x 6' x 8' Steel Plate	137.49	
01 22 23 00-0201	DAY	1" x 6' x 10' Steel Plate	42.97	
01 22 23 00-0202	WK	1" x 6' x 10' Steel Plate	56.57	
01 22 23 00-0203	MO	1" x 6' x 10' Steel Plate	151.10	
01 22 23 00-0204	DAY	1" x 6' x 12' Steel Plate	60.15	
01 22 23 00-0205	WK	1" x 6' x 12' Steel Plate	76.98	
01 22 23 00-0206	MO	1" x 6' x 12' Steel Plate	208.39	
01 22 23 00-0207	DAY	1" x 8' x 10' Steel Plate	37.95	
01 22 23 00-0208	WK	1" x 8' x 10' Steel Plate	85.22	
01 22 23 00-0209	MO	1" x 8' x 10' Steel Plate	227.00	
01 22 23 00-0210	DAY	1" x 8' x 12' Steel Plate	68.75	
01 22 23 00-0211	WK	1" x 8' x 12' Steel Plate	85.22	
01 22 23 00-0212	MO	1" x 8' x 12' Steel Plate	412.47	
01 22 23 00-0213	DAY	1" x 8' x 16' Steel Plate	91.66	
01 22 23 00-0214	WK	1" x 8' x 16' Steel Plate	206.24	
01 22 23 00-0215	MO	1" x 8' x 16' Steel Plate	549.96	
01 22 23 00-0216	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.74	0.85
01 22 23 00-0217	EA	Removal And Resetting Of Steel Roadway Plate	22.96	

01 22 23 00-0218 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0219 Skid-Steer Loaders *(01 22 23 00-0218)*

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

01 22 23 00-0220	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	863.58
		For Equipment Without Operator, Deduct	*-602.42*
01 22 23 00-0221	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	3,697.22
		For Equipment Without Operator, Deduct	*-3,012.10*
01 22 23 00-0222	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	14,633.15
		For Equipment Without Operator, Deduct	*-12,983.17*
01 22 23 00-0223	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	932.42
		For Equipment Without Operator, Deduct	*-602.42*
01 22 23 00-0224	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	3,821.79
		For Equipment Without Operator, Deduct	*-3,012.10*
01 22 23 00-0225	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	14,906.32
		For Equipment Without Operator, Deduct	*-12,983.17*
01 22 23 00-0226	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	952.08
		For Equipment Without Operator, Deduct	*-602.42*
01 22 23 00-0227	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	4,000.99
		For Equipment Without Operator, Deduct	*-3,012.10*
01 22 23 00-0228	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	15,381.65
		For Equipment Without Operator, Deduct	*-12,983.17*
01 22 23 00-0229	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	218.54
01 22 23 00-0230	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	726.65
01 22 23 00-0231	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,934.08
01 22 23 00-0232	DAY	Forklift Attachment For Skid-Steer Loaders	46.99
01 22 23 00-0233	WK	Forklift Attachment For Skid-Steer Loaders	125.66
01 22 23 00-0234	MO	Forklift Attachment For Skid-Steer Loaders	355.13
01 22 23 00-0235	DAY	Backhoe Attachment For Skid-Steer Loaders	103.81
01 22 23 00-0236	WK	Backhoe Attachment For Skid-Steer Loaders	249.14
01 22 23 00-0237	MO	Backhoe Attachment For Skid-Steer Loaders	619.56
01 22 23 00-0238	DAY	Broom Attachment For Skid-Steer Loaders	102.71
01 22 23 00-0239	WK	Broom Attachment For Skid-Steer Loaders	278.64
01 22 23 00-0240	MO	Broom Attachment For Skid-Steer Loaders	737.57
01 22 23 00-0241	DAY	Concrete Pump Attachment For Skid-Steer Loaders	218.54
01 22 23 00-0242	WK	Concrete Pump Attachment For Skid-Steer Loaders	726.65
01 22 23 00-0243	MO	Concrete Pump Attachment For Skid-Steer Loaders	1,934.08
01 22 23 00-0244	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	89.60
01 22 23 00-0245	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	246.95
01 22 23 00-0246	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	674.20
01 22 23 00-0247	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	24.70
01 22 23 00-0248	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	64.61
01 22 23 00-0249	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	190.03
01 22 23 00-0250	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	33.25
01 22 23 00-0251	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	82.66
01 22 23 00-0252	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	247.05
01 22 23 00-0253	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	48.45
01 22 23 00-0254	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	147.28
01 22 23 00-0255	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	437.08
01 22 23 00-0256	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	9.83
01 22 23 00-0257	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	22.95
01 22 23 00-0258	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	61.19

01 22 23 00-0259 Bulldozers *(01 22 23 00-0218)*

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

01 22 23 00-0260	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,003.77
		For Equipment Without Operator, Deduct	*-650.31*
01 22 23 00-0261	WK	70 HP, D3 Bulldozer With Full-Time Operator	4,645.36
		For Equipment Without Operator, Deduct	*-3,251.54*
01 22 23 00-0262	MO	70 HP, D3 Bulldozer With Full-Time Operator	18,150.04
		For Equipment Without Operator, Deduct	*-14,015.26*
01 22 23 00-0263	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,170.49
		For Equipment Without Operator, Deduct	*-650.31*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0264	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	5,318.93	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0265	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	20,217.43	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0266	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,643.99	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0267	WK	140 HP, D6 Bulldozer With Full-Time Operator	7,212.93	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0268	MO	140 HP, D6 Bulldozer With Full-Time Operator	25,886.08	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0269	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,064.14	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0270	WK	200 HP, D7 Bulldozer With Full-Time Operator	8,900.18	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0271	MO	200 HP, D7 Bulldozer With Full-Time Operator	30,954.52	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0272	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,564.31	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0273	WK	335 HP, D8 Bulldozer With Full-Time Operator	10,900.88	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0274	MO	335 HP, D8 Bulldozer With Full-Time Operator	36,956.62	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0275	DAY	460 HP, D9 Bulldozer With Full-Time Operator	2,844.41	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0276	WK	460 HP, D9 Bulldozer With Full-Time Operator	12,014.61	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0277	MO	460 HP, D9 Bulldozer With Full-Time Operator	40,291.12	
		For Equipment Without Operator, Deduct	*-14,015.26*	

01 22 23 00-0278 Hydraulic Excavators *(01 22 23 00-0218)*

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

01 22 23 00-0279	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	937.19	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0280	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	4,266.23	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0281	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	17,415.26	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0282	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,017.93	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0283	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	4,622.16	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0284	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	18,839.01	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0285	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,043.43	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0286	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	4,754.98	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0287	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	19,072.76	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0288	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,070.00	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0289	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	4,877.16	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0290	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	19,306.51	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0291	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,091.25	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0292	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	5,004.66	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0293	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	19,540.26	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0294	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,378.12	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0295	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	6,146.85	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0296	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	22,701.20	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0297	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,420.62	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0298	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	6,332.79	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0299	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	23,259.01	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0300	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,500.31	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0301	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	6,651.54	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0302	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	24,215.26	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0303	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,590.62	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0304	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	7,007.48	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0305	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	25,277.76	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0306	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,617.19	
		For Equipment Without Operator, Deduct	*-650.31*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0307	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator		7,113.73	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0308	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator		25,596.51	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0309	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator		1,872.19	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0310	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator		8,139.04	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0311	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator		28,677.76	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0312	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator		2,238.75	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0313	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator		9,594.66	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0314	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator		33,034.01	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0315	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators		74.38	
01 22 23 00-0316	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators		286.88	
01 22 23 00-0317	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators		850.00	
01 22 23 00-0318	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		329.38	
01 22 23 00-0319	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		871.25	
01 22 23 00-0320	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		2,438.44	
01 22 23 00-0321	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		510.00	
01 22 23 00-0322	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		1,301.56	
01 22 23 00-0323	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		3,384.06	
01 22 23 00-0324	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		711.88	
01 22 23 00-0325	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		1,917.81	
01 22 23 00-0326	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators		5,376.25	
01 22 23 00-0327	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators		148.75	
01 22 23 00-0328	WK	24" Compaction Wheel Attachment For Hydraulic Excavators		595.00	
01 22 23 00-0329	MO	24" Compaction Wheel Attachment For Hydraulic Excavators		1,785.00	
01 22 23 00-0330	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators		212.50	
01 22 23 00-0331	WK	36" Compaction Wheel Attachment For Hydraulic Excavators		850.00	
01 22 23 00-0332	MO	36" Compaction Wheel Attachment For Hydraulic Excavators		2,550.00	
01 22 23 00-0333	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators		233.75	
01 22 23 00-0334	WK	48" Compaction Wheel Attachment For Hydraulic Excavators		924.38	
01 22 23 00-0335	MO	48" Compaction Wheel Attachment For Hydraulic Excavators		2,762.50	

01 22 23 00-0336 Loader-Backhoes With Standard Bucket *(01 22 23 00-0218)*

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

01 22 23 00-0337	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator		983.62	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0338	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator		4,043.16	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0339	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator		15,878.24	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0340	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator		1,019.33	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0341	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator		4,168.15	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0342	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator		16,640.09	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0343	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator		1,074.39	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0344	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator		4,305.04	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0345	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator		17,032.92	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0346	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator		1,319.91	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0347	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator		5,037.14	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0348	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator		19,128.03	
		For Equipment Without Operator, Deduct		*-14,015.26*	

01 22 23 00-0349 Heavy Duty Construction Loaders *(01 22 23 00-0218)*

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

01 22 23 00-0350	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator		1,044.37	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0351	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator		4,809.60	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0352	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator		18,683.38	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0353	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator		1,371.75	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0354	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator		5,167.29	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0355	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator		18,865.26	
		For Equipment Without Operator, Deduct		*-14,015.26*	
01 22 23 00-0356	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator		1,444.50	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0357	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator		5,361.29	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0358	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator		19,350.26	
		For Equipment Without Operator, Deduct		*-14,015.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0359	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,644.56	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0360	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	5,888.73	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0361	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	20,684.01	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0362	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,159.87	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0363	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	9,277.66	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0364	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	32,081.51	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0365	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	5,554.81	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0366	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	19,177.56	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0367	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	57,417.97	
		For Equipment Without Operator, Deduct	*-14,015.26*	

01 22 23 00-0368 Shoring *(01 22 23 00-0218)*

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

01 22 23 00-0369 Aluminum Hydraulic Shoring *(01 22 23 00-0368)*

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

01 22 23 00-0370	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	69.90
01 22 23 00-0371	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	206.19
01 22 23 00-0372	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	93.78
01 22 23 00-0373	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	276.60
01 22 23 00-0374	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	173.89
01 22 23 00-0375	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	512.97
01 22 23 00-0376	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	21.57
01 22 23 00-0377	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	34.50
01 22 23 00-0378	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	57.50

01 22 23 00-0379 Trench Boxes/Trench Shields *(01 22 23 00-0218)*

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

01 22 23 00-0380	WK	4' x 6' Trench Box With Up To 48" Spreaders	175.09
01 22 23 00-0381	MO	4' x 6' Trench Box With Up To 48" Spreaders	525.26
01 22 23 00-0382	WK	6' x 6' Trench Box With Up To 48" Spreaders	197.68
01 22 23 00-0383	MO	6' x 6' Trench Box With Up To 48" Spreaders	593.04
01 22 23 00-0384	WK	8' x 6' Trench Box With Up To 48" Spreaders	208.98
01 22 23 00-0385	MO	8' x 6' Trench Box With Up To 48" Spreaders	626.93
01 22 23 00-0386	WK	4' x 8' Trench Box With Up To 48" Spreaders	192.03
01 22 23 00-0387	MO	4' x 8' Trench Box With Up To 48" Spreaders	576.10
01 22 23 00-0388	WK	6' x 8' Trench Box With Up To 48" Spreaders	225.92
01 22 23 00-0389	MO	6' x 8' Trench Box With Up To 48" Spreaders	677.76
01 22 23 00-0390	WK	8' x 8' Trench Box With Up To 48" Spreaders	254.16
01 22 23 00-0391	MO	8' x 8' Trench Box With Up To 48" Spreaders	762.48
01 22 23 00-0392	WK	4' x 10' Trench Box With Up To 48" Spreaders	214.62
01 22 23 00-0393	MO	4' x 10' Trench Box With Up To 48" Spreaders	643.87
01 22 23 00-0394	WK	6' x 10' Trench Box With Up To 48" Spreaders	254.16
01 22 23 00-0395	MO	6' x 10' Trench Box With Up To 48" Spreaders	762.48
01 22 23 00-0396	WK	8' x 10' Trench Box With Up To 48" Spreaders	310.64
01 22 23 00-0397	MO	8' x 10' Trench Box With Up To 48" Spreaders	926.27
01 22 23 00-0398	WK	4' x 12' Trench Box With Up To 48" Spreaders	254.16
01 22 23 00-0399	MO	4' x 12' Trench Box With Up To 48" Spreaders	762.48
01 22 23 00-0400	WK	6' x 12' Trench Box With Up To 48" Spreaders	310.64
01 22 23 00-0401	MO	6' x 12' Trench Box With Up To 48" Spreaders	931.92
01 22 23 00-0402	WK	8' x 12' Trench Box With Up To 48" Spreaders	395.36
01 22 23 00-0403	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,186.08
01 22 23 00-0404	WK	4' x 14' Trench Box With Up To 48" Spreaders	282.40
01 22 23 00-0405	MO	4' x 14' Trench Box With Up To 48" Spreaders	847.20
01 22 23 00-0406	WK	6' x 14' Trench Box With Up To 48" Spreaders	367.12
01 22 23 00-0407	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,101.36
01 22 23 00-0408	WK	8' x 14' Trench Box With Up To 48" Spreaders	451.84
01 22 23 00-0409	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,355.52
01 22 23 00-0410	WK	4' x 16' Trench Box With Up To 48" Spreaders	310.64
01 22 23 00-0411	MO	4' x 16' Trench Box With Up To 48" Spreaders	931.92
01 22 23 00-0412	WK	6' x 16' Trench Box With Up To 48" Spreaders	423.60
01 22 23 00-0413	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,270.80
01 22 23 00-0414	WK	8' x 16' Trench Box With Up To 48" Spreaders	508.32
01 22 23 00-0415	MO	8' x 16' Trench Box With Up To 48" Spreaders	1,524.96
01 22 23 00-0416	WK	4' x 20' Trench Box With Up To 48" Spreaders	367.12
01 22 23 00-0417	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,101.36
01 22 23 00-0418	WK	6' x 20' Trench Box With Up To 48" Spreaders	508.32
01 22 23 00-0419	MO	6' x 20' Trench Box With Up To 48" Spreaders	1,524.96
01 22 23 00-0420	WK	8' x 20' Trench Box With Up To 48" Spreaders	593.04
01 22 23 00-0421	MO	8' x 20' Trench Box With Up To 48" Spreaders	1,779.12

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0422	WK	4' x 24' Trench Box With Up To 48" Spreaders	508.32	
01 22 23 00-0423	MO	4' x 24' Trench Box With Up To 48" Spreaders	1,524.96	
01 22 23 00-0424	WK	6' x 24' Trench Box With Up To 48" Spreaders	621.28	
01 22 23 00-0425	MO	6' x 24' Trench Box With Up To 48" Spreaders	1,863.84	
01 22 23 00-0426	WK	8' x 24' Trench Box With Up To 48" Spreaders	677.76	
01 22 23 00-0427	MO	8' x 24' Trench Box With Up To 48" Spreaders	2,033.28	
01 22 23 00-0428	WK	For Spreaders >48" To 84", Add	16.94	
01 22 23 00-0429	MO	For Spreaders >48" To 84", Add	50.83	
01 22 23 00-0430	WK	For Spreaders >84" To 120", Add	101.66	
01 22 23 00-0431	MO	For Spreaders >84" To 120", Add	304.99	
01 22 23 00-0432	WK	For Spreaders >120", Add	214.62	
01 22 23 00-0433	MO	For Spreaders >120", Add	643.87	
01 22 23 00-0434	WK	8' x 4' Manhole Box	266.87	
01 22 23 00-0435	MO	8' x 4' Manhole Box	800.60	
01 22 23 00-0436	WK	8' x 8' Manhole Box	381.24	
01 22 23 00-0437	MO	8' x 8' Manhole Box	1,143.72	

01 22 23 00-0438 Trenchers *(01 22 23 00-0218)*

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

01 22 23 00-0439	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	899.37	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0440	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	4,099.89	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0441	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	16,350.16	
		For Equipment Without Operator, Deduct	*-14,015.26*	
01 22 23 00-0442	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,319.65	
		For Equipment Without Operator, Deduct	*-650.31*	
01 22 23 00-0443	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	5,516.39	
		For Equipment Without Operator, Deduct	*-3,251.54*	
01 22 23 00-0444	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	20,241.66	
		For Equipment Without Operator, Deduct	*-14,015.26*	

01 22 23 00-0445 Heavy Equipment (Wood Ground Protection) Mats *(01 22 23 00-0218)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0218 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0446	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	14.96	
01 22 23 00-0447	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	35.20	
01 22 23 00-0448	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	74.80	
01 22 23 00-0449	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	16.72	
01 22 23 00-0450	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	39.60	
01 22 23 00-0451	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	83.60	
01 22 23 00-0452	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	18.48	
01 22 23 00-0453	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	44.00	
01 22 23 00-0454	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	92.40	
01 22 23 00-0455	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	20.24	
01 22 23 00-0456	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	48.19	
01 22 23 00-0457	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	101.20	
01 22 23 00-0458	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	15.84	
01 22 23 00-0459	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	44.00	
01 22 23 00-0460	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	79.20	
01 22 23 00-0461	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	18.48	
01 22 23 00-0462	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	44.00	
01 22 23 00-0463	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	92.40	
01 22 23 00-0464	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	22.00	
01 22 23 00-0465	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	48.40	
01 22 23 00-0466	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	110.00	
01 22 23 00-0467	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	23.76	
01 22 23 00-0468	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	56.57	
01 22 23 00-0469	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	118.80	
01 22 23 00-0470	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.52	
01 22 23 00-0471	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	60.76	
01 22 23 00-0472	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	127.60	
01 22 23 00-0473	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	26.40	
01 22 23 00-0474	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	62.86	
01 22 23 00-0475	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	132.00	
01 22 23 00-0476	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	8.47	
01 22 23 00-0477	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.16	
01 22 23 00-0478	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	63.49	
01 22 23 00-0479	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	10.12	
01 22 23 00-0480	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.30	
01 22 23 00-0481	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	75.90	
01 22 23 00-0482	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.56	
01 22 23 00-0483	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.89	
01 22 23 00-0484	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.68	
01 22 23 00-0485	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	12.32	
01 22 23 00-0486	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	30.80	
01 22 23 00-0487	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	92.40	
01 22 23 00-0488	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.08	
01 22 23 00-0489	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.20	
01 22 23 00-0490	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.60	
01 22 23 00-0491	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.18	
01 22 23 00-0492	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.45	
01 22 23 00-0493	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	121.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0494	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	12.45	
01 22 23 00-0495	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	31.12	
01 22 23 00-0496	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	93.37	
01 22 23 00-0497	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.85	
01 22 23 00-0498	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.14	
01 22 23 00-0499	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	126.41	
01 22 23 00-0500	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.57	
01 22 23 00-0501	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	36.43	
01 22 23 00-0502	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	109.30	
01 22 23 00-0503	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.30	
01 22 23 00-0504	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	60.76	
01 22 23 00-0505	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	182.28	
01 22 23 00-0506	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.91	
01 22 23 00-0507	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	64.77	
01 22 23 00-0508	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	194.30	

01 22 23 00-0509 Electrical Equipment *(01 22 23)*

01 22 23 00-0510 Trailer Mounted Floodlights *(01 22 23 00-0509)*

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

01 22 23 00-0511	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	124.20
01 22 23 00-0512	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	275.40
01 22 23 00-0513	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	594.00

01 22 23 00-0514 Tripod Mounted Floodlights *(01 22 23 00-0509)*

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

01 22 23 00-0515	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	44.28
01 22 23 00-0516	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	104.76
01 22 23 00-0517	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	221.40
01 22 23 00-0518	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	44.28
01 22 23 00-0519	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	129.60
01 22 23 00-0520	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	383.40
01 22 23 00-0521	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	49.68
01 22 23 00-0522	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	135.00
01 22 23 00-0523	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	329.40

01 22 23 00-0524 Generator Sets *(01 22 23 00-0509)*

01 22 23 00-0525 Portable, Gas Or Diesel Powered Generator Sets *(01 22 23 00-0524)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.

01 22 23 00-0526	DAY	3.6 KW, 8 HP Gas Powered Generator Set	52.27
		For LP Or NG Gas, Add	*6.53*
		For >160 To 320 Hours Usage Per Month, Add	*26.14*
01 22 23 00-0527	WK	3.6 KW, 8 HP Gas Powered Generator Set	188.42
		For LP Or NG Gas, Add	*23.55*
01 22 23 00-0528	MO	3.6 KW, 8 HP Gas Powered Generator Set	522.71
		For LP Or NG Gas, Add	*65.34*
01 22 23 00-0529	DAY	5 KW, 11 HP Gas Powered Generator Set	74.15
		For LP Or NG Gas, Add	*9.27*
01 22 23 00-0530	WK	5 KW, 11 HP Gas Powered Generator Set	237.04
		For LP Or NG Gas, Add	*29.63*
01 22 23 00-0531	MO	5 KW, 11 HP Gas Powered Generator Set	540.94
		For LP Or NG Gas, Add	*67.62*
01 22 23 00-0532	DAY	6.5 KW, 13 HP Gas Powered Generator Set	94.82
		For LP Or NG Gas, Add	*11.85*
01 22 23 00-0533	WK	6.5 KW, 13 HP Gas Powered Generator Set	255.28
		For LP Or NG Gas, Add	*31.91*
01 22 23 00-0534	MO	6.5 KW, 13 HP Gas Powered Generator Set	705.05
		For LP Or NG Gas, Add	*88.13*
01 22 23 00-0535	DAY	10 KW, 18 HP Gas Powered Generator Set	105.76
		For LP Or NG Gas, Add	*13.22*
01 22 23 00-0536	WK	10 KW, 18 HP Gas Powered Generator Set	285.67
		For LP Or NG Gas, Add	*35.71*
01 22 23 00-0537	MO	10 KW, 18 HP Gas Powered Generator Set	820.53
		For LP Or NG Gas, Add	*102.57*

01 22 23 00-0538 Towable, Diesel Powered Generator Sets *(01 22 23 00-0524)*

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.

01 22 23 00-0539	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	217.59
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	
		For >8 To 16 Hours Usage Per Day, Add	*108.80*
		For >16 To 24 Hours Usage Per Day, Add	*217.59*
01 22 23 00-0540	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set	568.90
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	
		For >40 To 80 Hours Usage Per Week, Add	*284.45*
		For >80 Hours Usage Per Week, Add	*568.90*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0541	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,549.89	
		For >160 To 320 Hours Usage Per Month, Add	*774.95*	
		For >320 Hours Usage Per Month, Add	*1,549.89*	
01 22 23 00-0542	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	323.76	
		For >8 To 16 Hours Usage Per Day, Add	*161.88*	
		For >16 To 24 Hours Usage Per Day, Add	*323.76*	
01 22 23 00-0543	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	960.85	
		For >40 To 80 Hours Usage Per Week, Add	*480.43*	
		For >80 Hours Usage Per Week, Add	*960.85*	
01 22 23 00-0544	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,984.36	
		For >160 To 320 Hours Usage Per Month, Add	*992.18*	
		For >320 Hours Usage Per Month, Add	*1,984.36*	
01 22 23 00-0545	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	355.10	
		For >8 To 16 Hours Usage Per Day, Add	*177.55*	
		For >16 To 24 Hours Usage Per Day, Add	*355.10*	
01 22 23 00-0546	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	992.18	
		For >40 To 80 Hours Usage Per Week, Add	*496.09*	
		For >80 Hours Usage Per Week, Add	*992.18*	
01 22 23 00-0547	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,193.24	
		For >160 To 320 Hours Usage Per Month, Add	*1,096.62*	
		For >320 Hours Usage Per Month, Add	*2,193.24*	
01 22 23 00-0548	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	381.21	
		For >8 To 16 Hours Usage Per Day, Add	*190.61*	
		For >16 To 24 Hours Usage Per Day, Add	*381.21*	
01 22 23 00-0549	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,044.40	
		For >40 To 80 Hours Usage Per Week, Add	*522.20*	
		For >80 Hours Usage Per Week, Add	*1,044.40*	
01 22 23 00-0550	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,506.56	
		For >160 To 320 Hours Usage Per Month, Add	*1,253.28*	
		For >320 Hours Usage Per Month, Add	*2,506.56*	
01 22 23 00-0551	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	417.76	
		For >8 To 16 Hours Usage Per Day, Add	*208.88*	
		For >16 To 24 Hours Usage Per Day, Add	*417.76*	
01 22 23 00-0552	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,185.39	
		For >40 To 80 Hours Usage Per Week, Add	*592.70*	
		For >80 Hours Usage Per Week, Add	*1,185.39*	
01 22 23 00-0553	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	2,819.88	
		For >160 To 320 Hours Usage Per Month, Add	*1,409.94*	
		For >320 Hours Usage Per Month, Add	*2,819.88*	
01 22 23 00-0554	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	469.98	
		For >8 To 16 Hours Usage Per Day, Add	*234.99*	
		For >16 To 24 Hours Usage Per Day, Add	*469.98*	
01 22 23 00-0555	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,253.28	
		For >40 To 80 Hours Usage Per Week, Add	*626.64*	
		For >80 Hours Usage Per Week, Add	*1,253.28*	
01 22 23 00-0556	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,133.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,566.60*	
		For >320 Hours Usage Per Month, Add	*3,133.20*	
01 22 23 00-0557	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	485.65	
		For >8 To 16 Hours Usage Per Day, Add	*242.83*	
		For >16 To 24 Hours Usage Per Day, Add	*485.65*	
01 22 23 00-0558	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,305.50	
		For >40 To 80 Hours Usage Per Week, Add	*652.75*	
		For >80 Hours Usage Per Week, Add	*1,305.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0559	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	3,550.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,775.48*	
		For >320 Hours Usage Per Month, Add	*3,550.96*	
01 22 23 00-0560	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	548.31	
		For >8 To 16 Hours Usage Per Day, Add	*274.16*	
		For >16 To 24 Hours Usage Per Day, Add	*548.31*	
01 22 23 00-0561	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,514.38	
		For >40 To 80 Hours Usage Per Week, Add	*757.19*	
		For >80 Hours Usage Per Week, Add	*1,514.38*	
01 22 23 00-0562	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,073.16	
		For >160 To 320 Hours Usage Per Month, Add	*2,036.58*	
		For >320 Hours Usage Per Month, Add	*4,073.16*	
01 22 23 00-0563	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	574.42	
		For >8 To 16 Hours Usage Per Day, Add	*287.21*	
		For >16 To 24 Hours Usage Per Day, Add	*574.42*	
01 22 23 00-0564	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,592.71	
		For >40 To 80 Hours Usage Per Week, Add	*796.36*	
		For >80 Hours Usage Per Week, Add	*1,592.71*	
01 22 23 00-0565	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	4,490.92	
		For >160 To 320 Hours Usage Per Month, Add	*2,245.46*	
		For >320 Hours Usage Per Month, Add	*4,490.92*	
01 22 23 00-0566	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	600.53	
		For >8 To 16 Hours Usage Per Day, Add	*300.27*	
		For >16 To 24 Hours Usage Per Day, Add	*600.53*	
01 22 23 00-0567	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	1,723.26	
		For >40 To 80 Hours Usage Per Week, Add	*861.63*	
		For >80 Hours Usage Per Week, Add	*1,723.26*	
01 22 23 00-0568	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	4,699.80	
		For >160 To 320 Hours Usage Per Month, Add	*2,349.90*	
		For >320 Hours Usage Per Month, Add	*4,699.80*	
01 22 23 00-0569	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	626.64	
		For >8 To 16 Hours Usage Per Day, Add	*313.32*	
		For >16 To 24 Hours Usage Per Day, Add	*626.64*	
01 22 23 00-0570	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	1,827.70	
		For >40 To 80 Hours Usage Per Week, Add	*913.85*	
		For >80 Hours Usage Per Week, Add	*1,827.70*	
01 22 23 00-0571	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	4,908.68	
		For >160 To 320 Hours Usage Per Month, Add	*2,454.34*	
		For >320 Hours Usage Per Month, Add	*4,908.68*	
01 22 23 00-0572	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	626.64	
		For >8 To 16 Hours Usage Per Day, Add	*313.32*	
		For >16 To 24 Hours Usage Per Day, Add	*626.64*	
01 22 23 00-0573	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	1,827.70	
		For >40 To 80 Hours Usage Per Week, Add	*913.85*	
		For >80 Hours Usage Per Week, Add	*1,827.70*	
01 22 23 00-0574	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	4,908.68	
		For >160 To 320 Hours Usage Per Month, Add	*2,454.34*	
		For >320 Hours Usage Per Month, Add	*4,908.68*	
01 22 23 00-0575	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	861.63	
		For >8 To 16 Hours Usage Per Day, Add	*430.82*	
		For >16 To 24 Hours Usage Per Day, Add	*861.63*	
01 22 23 00-0576	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,141.02	
		For >40 To 80 Hours Usage Per Week, Add	*1,070.51*	
		For >80 Hours Usage Per Week, Add	*2,141.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0577	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	6,266.40	
		For >160 To 320 Hours Usage Per Month, Add	*3,133.20*	
		For >320 Hours Usage Per Month, Add	*6,266.40*	
01 22 23 00-0578	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	913.85	
		For >8 To 16 Hours Usage Per Day, Add	*456.93*	
		For >16 To 24 Hours Usage Per Day, Add	*913.85*	
01 22 23 00-0579	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,193.24	
		For >40 To 80 Hours Usage Per Week, Add	*1,096.62*	
		For >80 Hours Usage Per Week, Add	*2,193.24*	
01 22 23 00-0580	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	6,475.28	
		For >160 To 320 Hours Usage Per Month, Add	*3,237.64*	
		For >320 Hours Usage Per Month, Add	*6,475.28*	
01 22 23 00-0581	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	966.07	
		For >8 To 16 Hours Usage Per Day, Add	*483.04*	
		For >16 To 24 Hours Usage Per Day, Add	*966.07*	
01 22 23 00-0582	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,245.46	
		For >40 To 80 Hours Usage Per Week, Add	*1,122.73*	
		For >80 Hours Usage Per Week, Add	*2,245.46*	
01 22 23 00-0583	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	6,684.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,342.08*	
		For >320 Hours Usage Per Month, Add	*6,684.16*	
01 22 23 00-0584	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	997.40	
		For >8 To 16 Hours Usage Per Day, Add	*498.70*	
		For >16 To 24 Hours Usage Per Day, Add	*997.40*	
01 22 23 00-0585	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,402.12	
		For >40 To 80 Hours Usage Per Week, Add	*1,201.06*	
		For >80 Hours Usage Per Week, Add	*2,402.12*	
01 22 23 00-0586	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	7,101.92	
		For >160 To 320 Hours Usage Per Month, Add	*3,550.96*	
		For >320 Hours Usage Per Month, Add	*7,101.92*	
01 22 23 00-0587	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,044.40	
		For >8 To 16 Hours Usage Per Day, Add	*522.20*	
		For >16 To 24 Hours Usage Per Day, Add	*1,044.40*	
01 22 23 00-0588	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	2,715.44	
		For >40 To 80 Hours Usage Per Week, Add	*1,357.72*	
		For >80 Hours Usage Per Week, Add	*2,715.44*	
01 22 23 00-0589	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	7,833.00	
		For >160 To 320 Hours Usage Per Month, Add	*3,916.50*	
		For >320 Hours Usage Per Month, Add	*7,833.00*	
01 22 23 00-0590	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	1,291.45	
		For >8 To 16 Hours Usage Per Day, Add	*645.73*	
		For >16 To 24 Hours Usage Per Day, Add	*1,291.45*	
01 22 23 00-0591	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	3,339.00	
		For >40 To 80 Hours Usage Per Week, Add	*1,669.50*	
		For >80 Hours Usage Per Week, Add	*3,339.00*	
01 22 23 00-0592	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	8,830.40	
		For >160 To 320 Hours Usage Per Month, Add	*4,415.20*	
		For >320 Hours Usage Per Month, Add	*8,830.40*	
01 22 23 00-0593	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	1,655.70	
		For >8 To 16 Hours Usage Per Day, Add	*827.85*	
		For >16 To 24 Hours Usage Per Day, Add	*1,655.70*	
01 22 23 00-0594	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	4,304.82	
		For >40 To 80 Hours Usage Per Week, Add	*2,152.41*	
		For >80 Hours Usage Per Week, Add	*4,304.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0595	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	9,934.20	
		For >160 To 320 Hours Usage Per Month, Add	*4,967.10*	
		For >320 Hours Usage Per Month, Add	*9,934.20*	
01 22 23 00-0596	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	2,047.55	
		For >8 To 16 Hours Usage Per Day, Add	*1,023.78*	
		For >16 To 24 Hours Usage Per Day, Add	*2,047.55*	
01 22 23 00-0597	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	5,408.62	
		For >40 To 80 Hours Usage Per Week, Add	*2,704.31*	
		For >80 Hours Usage Per Week, Add	*5,408.62*	
01 22 23 00-0598	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	13,245.60	
		For >160 To 320 Hours Usage Per Month, Add	*6,622.80*	
		For >320 Hours Usage Per Month, Add	*13,245.60*	
01 22 23 00-0599	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	2,213.12	
		For >8 To 16 Hours Usage Per Day, Add	*1,106.56*	
		For >16 To 24 Hours Usage Per Day, Add	*2,213.12*	
01 22 23 00-0600	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	5,099.56	
		For >40 To 80 Hours Usage Per Week, Add	*2,549.78*	
		For >80 Hours Usage Per Week, Add	*5,099.56*	
01 22 23 00-0601	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	15,298.67	
		For >160 To 320 Hours Usage Per Month, Add	*7,649.34*	
		For >320 Hours Usage Per Month, Add	*15,298.67*	
01 22 23 00-0602	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	758.95	
01 22 23 00-0603	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,204.58	

01 22 23 00-0604 Cabling For Generator Sets *(01 22 23 00-0524)*

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

01 22 23 00-0605	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	22.98	
01 22 23 00-0606	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	40.21	
01 22 23 00-0607	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	120.63	
01 22 23 00-0608	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	11.49	
01 22 23 00-0609	WK	50', 4/0 Cable With Camlock Ends For Generator Set	33.42	
01 22 23 00-0610	MO	50', 4/0 Cable With Camlock Ends For Generator Set	92.95	

01 22 23 00-0611 Resistive Loadbanks For Generator Sets *(01 22 23 00-0524)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.

01 22 23 00-0612	DAY	100 KW A/C Resistive Loadbank	279.18	
01 22 23 00-0613	WK	100 KW A/C Resistive Loadbank	689.04	
01 22 23 00-0614	MO	100 KW A/C Resistive Loadbank	2,061.18	
01 22 23 00-0615	DAY	650 KW A/C Resistive Loadbank	470.45	
01 22 23 00-0616	WK	650 KW A/C Resistive Loadbank	1,258.09	
01 22 23 00-0617	MO	650 KW A/C Resistive Loadbank	3,207.60	

01 22 23 00-0618 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0524)*

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

01 22 23 00-0619	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	56.40	
01 22 23 00-0620	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	146.22	
01 22 23 00-0621	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	412.54	

01 22 23 00-0622 Portable Distribution Panels For Generator Sets *(01 22 23 00-0524)*

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

01 22 23 00-0623	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	125.33	
01 22 23 00-0624	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	339.43	
01 22 23 00-0625	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	950.40	
01 22 23 00-0626	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	102.35	
01 22 23 00-0627	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	266.32	
01 22 23 00-0628	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	757.19	
01 22 23 00-0629	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	130.55	
01 22 23 00-0630	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	328.99	
01 22 23 00-0631	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	892.96	

01 22 23 00-0632 Fuel Reimbursement For Generators *(01 22 23 00-0524)*

01 22 23 00-0633	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0634		**Welding Machines** *(01 22 23 00-0509)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0635		**Diesel Powered Towable Welding Machines** *(01 22 23 00-0634)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0636	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	110.66	
01 22 23 00-0637	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	270.49	
01 22 23 00-0638	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	645.49	
01 22 23 00-0639	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	147.54	
01 22 23 00-0640	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	288.93	
01 22 23 00-0641	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	675.00	
01 22 23 00-0642	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	153.69	
01 22 23 00-0643	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	307.38	
01 22 23 00-0644	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	750.00	
01 22 23 00-0645		**Portable Floor Drying Fans** *(01 22 23 00-0509)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0646	DAY	2,250 CFM Portable Floor Drying Fan	11.17	
01 22 23 00-0647	WK	2,250 CFM Portable Floor Drying Fan	51.64	
01 22 23 00-0648	MO	2,250 CFM Portable Floor Drying Fan	170.99	
01 22 23 00-0649		**Portable Fume Extractors** *(01 22 23 00-0509)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0650	DAY	Portable Fume Extractor	26.57	
01 22 23 00-0651	WK	Portable Fume Extractor	79.70	
01 22 23 00-0652		**General Equipment** *(01 22 23)*		
01 22 23 00-0653		**Jacks And Bracing** *(01 22 23 00-0652)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0654		**Manual Hydraulic Jacks** *(01 22 23 00-0653)*		
01 22 23 00-0655	DAY	12 Ton Manual Hydraulic Bottle Jack	1.33	
01 22 23 00-0656	WK	12 Ton Manual Hydraulic Bottle Jack	6.33	
01 22 23 00-0657	MO	12 Ton Manual Hydraulic Bottle Jack	22.76	
01 22 23 00-0658	DAY	20 Ton Manual Hydraulic Bottle Jack	2.33	
01 22 23 00-0659	WK	20 Ton Manual Hydraulic Bottle Jack	7.33	
01 22 23 00-0660	MO	20 Ton Manual Hydraulic Bottle Jack	27.76	
01 22 23 00-0661	DAY	50 Ton Manual Hydraulic Bottle Jack	8.33	
01 22 23 00-0662	WK	50 Ton Manual Hydraulic Bottle Jack	32.34	
01 22 23 00-0663	MO	50 Ton Manual Hydraulic Bottle Jack	116.34	
01 22 23 00-0664	DAY	100 Ton Manual Hydraulic Bottle Jack	11.67	
01 22 23 00-0665	WK	100 Ton Manual Hydraulic Bottle Jack	46.67	
01 22 23 00-0666	MO	100 Ton Manual Hydraulic Bottle Jack	168.10	
01 22 23 00-0667		**Manual Screw Jacks** *(01 22 23 00-0653)*		
01 22 23 00-0668	DAY	10 To 20 Ton Manual Screw Jack	15.73	
01 22 23 00-0669	WK	10 To 20 Ton Manual Screw Jack	42.36	
01 22 23 00-0670	MO	10 To 20 Ton Manual Screw Jack	117.40	
01 22 23 00-0671		**Pressure Washers** *(01 22 23 00-0652)* Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0672	DAY	2,000 PSI Pressure Washer With Full-Time Operator	655.40	
		For Equipment Without Operator, Deduct	*-546.28*	
01 22 23 00-0673	WK	2,000 PSI Pressure Washer With Full-Time Operator	3,008.42	
		For Equipment Without Operator, Deduct	*-2,731.42*	
01 22 23 00-0674	MO	2,000 PSI Pressure Washer With Full-Time Operator	12,478.46	
		For Equipment Without Operator, Deduct	*-11,773.36*	
01 22 23 00-0675	DAY	2,500 PSI Pressure Washer With Full-Time Operator	633.75	
		For Equipment Without Operator, Deduct	*-546.28*	
01 22 23 00-0676	WK	2,500 PSI Pressure Washer With Full-Time Operator	2,953.46	
		For Equipment Without Operator, Deduct	*-2,731.42*	
01 22 23 00-0677	MO	2,500 PSI Pressure Washer With Full-Time Operator	12,338.55	
		For Equipment Without Operator, Deduct	*-11,773.36*	
01 22 23 00-0678	DAY	3,000 PSI Pressure Washer With Full-Time Operator	655.40	
		For Equipment Without Operator, Deduct	*-546.28*	
01 22 23 00-0679	WK	3,000 PSI Pressure Washer With Full-Time Operator	3,008.42	
		For Equipment Without Operator, Deduct	*-2,731.42*	
01 22 23 00-0680	MO	3,000 PSI Pressure Washer With Full-Time Operator	12,478.46	
		For Equipment Without Operator, Deduct	*-11,773.36*	
01 22 23 00-0681	DAY	3,500 PSI Pressure Washer With Full-Time Operator	640.48	
		For Equipment Without Operator, Deduct	*-546.28*	
01 22 23 00-0682	WK	3,500 PSI Pressure Washer With Full-Time Operator	2,973.65	
		For Equipment Without Operator, Deduct	*-2,731.42*	
01 22 23 00-0683	MO	3,500 PSI Pressure Washer With Full-Time Operator	12,392.38	
		For Equipment Without Operator, Deduct	*-11,773.36*	
01 22 23 00-0684	DAY	4,000 PSI Pressure Washer With Full-Time Operator	697.37	
		For Equipment Without Operator, Deduct	*-546.28*	
01 22 23 00-0685	WK	4,000 PSI Pressure Washer With Full-Time Operator	3,142.73	
		For Equipment Without Operator, Deduct	*-2,731.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0686	MO	4,000 PSI Pressure Washer With Full-Time Operator	12,923.34	
		For Equipment Without Operator, Deduct	*-11,773.36*	
01 22 23 00-0687	DAY	5,000 PSI Pressure Washer With Full-Time Operator	680.85	
		For Equipment Without Operator, Deduct	*-546.28*	
01 22 23 00-0688	WK	5,000 PSI Pressure Washer With Full-Time Operator	3,094.76	
		For Equipment Without Operator, Deduct	*-2,731.42*	
01 22 23 00-0689	MO	5,000 PSI Pressure Washer With Full-Time Operator	12,796.09	
		For Equipment Without Operator, Deduct	*-11,773.36*	

01 22 23 00-0690 Confined Space Entry Equipment *(01 22 23 00-0652)*

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

01 22 23 00-0691	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	41.33	
01 22 23 00-0692	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	123.98	
01 22 23 00-0693	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	369.98	
01 22 23 00-0694	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	36.81	
01 22 23 00-0695	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	110.43	
01 22 23 00-0696	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	331.28	
01 22 23 00-0697	DAY	Confined Space Air Monitor Personnel Note: Per person day.	602.42	

01 22 23 00-0698 Ground Thaw Mobile Equipment And Blankets *(01 22 23 00-0652)*

Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.

01 22 23 00-0699	DAY	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	484.17	
01 22 23 00-0700	WK	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	1,611.73	
01 22 23 00-0701	MO	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	5,701.97	
01 22 23 00-0702	DAY	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	897.63	
01 22 23 00-0703	WK	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	2,379.25	
01 22 23 00-0704	MO	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	5,735.66	
01 22 23 00-0705	DAY	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	1,191.14	
01 22 23 00-0706	WK	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	2,973.30	
01 22 23 00-0707	MO	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	6,572.64	
01 22 23 00-0708	DAY	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	1,369.09	
01 22 23 00-0709	WK	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	3,234.69	
01 22 23 00-0710	MO	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 To 12,000 SF concrete curing area.	8,596.21	
01 22 23 00-0711	DAY	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	1,711.49	
01 22 23 00-0712	WK	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	4,097.26	
01 22 23 00-0713	MO	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	9,310.26	
01 22 23 00-0714	CSF	Place Hoses And Blankets Over Area Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.	27.60	

01 22 23 00-0715 Space Heaters *(01 22 23 00-0652)*

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

01 22 23 00-0716	DAY	150,000 BTU/Hour Space Heater	62.77	
01 22 23 00-0717	WK	150,000 BTU/Hour Space Heater	180.46	
01 22 23 00-0718	MO	150,000 BTU/Hour Space Heater	509.99	
01 22 23 00-0719	DAY	500,000 BTU/Hour Space Heater	133.38	
01 22 23 00-0720	WK	500,000 BTU/Hour Space Heater	329.53	
01 22 23 00-0721	MO	500,000 BTU/Hour Space Heater	833.25	

01 22 23 00-0722 Material Handling Equipment *(01 22 23)*

01 22 23 00-0723 Truck Mounted Hydraulic Cranes *(01 22 23 00-0722)*

Note: Includes full-time operator. Include delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-0724	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,123.63	
		For Equipment Without Operator, Deduct	*-682.38*	
01 22 23 00-0725	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,748.61	
		For Equipment Without Operator, Deduct	*-3,411.88*	
01 22 23 00-0726	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,729.58	
		For Equipment Without Operator, Deduct	*-14,706.40*	
01 22 23 00-0727	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,240.43	
		For Equipment Without Operator, Deduct	*-682.38*	
01 22 23 00-0728	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,095.78	
		For Equipment Without Operator, Deduct	*-3,411.88*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0729	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		19,767.82	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0730	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,357.24	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0731	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		5,442.94	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0732	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		20,806.06	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0733	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,512.97	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0734	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		5,910.14	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0735	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		22,201.20	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0736	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,655.73	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0737	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		6,877.01	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0738	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		25,099.18	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0739	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,993.16	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0740	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		8,083.96	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0741	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		28,722.64	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0742	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,207.30	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0743	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		8,836.68	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0744	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		30,986.00	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0745	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,376.01	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0746	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		9,446.65	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0747	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		32,813.31	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0748	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,544.72	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0749	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		10,056.62	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0750	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		34,640.61	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0751	DAY	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,655.04	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0752	WK	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		10,432.98	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0753	MO	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		35,782.67	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0754	DAY	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,772.21	
		For Equipment Without Operator, Deduct		*-650.31*	
01 22 23 00-0755	WK	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		10,830.69	
		For Equipment Without Operator, Deduct		*-3,251.54*	
01 22 23 00-0756	MO	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		36,752.72	
		For Equipment Without Operator, Deduct		*-14,015.26*	

01 22 23 00-0757 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes *(01 22 23 00-0722)*

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

01 22 23 00-0758	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		2,239.74	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0759	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		8,966.46	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0760	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		31,370.15	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0761	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		3,440.20	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0762	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		10,965.08	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0763	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		37,365.99	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0764	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		3,634.88	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0765	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		12,386.17	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0766	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		41,627.96	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0767	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		4,024.22	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0768	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		13,807.26	
		For Equipment Without Operator, Deduct		*-3,411.88*	
01 22 23 00-0769	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		45,884.75	
		For Equipment Without Operator, Deduct		*-14,706.40*	
01 22 23 00-0770	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		4,394.09	
		For Equipment Without Operator, Deduct		*-682.38*	
01 22 23 00-0771	WK	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator		16,649.44	
		For Equipment Without Operator, Deduct		*-3,411.88*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0772	MO	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	54,419.08	
		For Equipment Without Operator, Deduct	*-14,706.40*	
01 22 23 00-0773	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	5,004.05	
		For Equipment Without Operator, Deduct	*-682.38*	
01 22 23 00-0774	WK	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	18,836.23	
		For Equipment Without Operator, Deduct	*-3,411.88*	
01 22 23 00-0775	MO	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	60,970.37	
		For Equipment Without Operator, Deduct	*-14,706.40*	
01 22 23 00-0776	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	8,754.70	
		For Equipment Without Operator, Deduct	*-682.38*	
01 22 23 00-0777	WK	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	32,203.57	
		For Equipment Without Operator, Deduct	*-3,411.88*	
01 22 23 00-0778	MO	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	101,087.97	
		For Equipment Without Operator, Deduct	*-14,706.40*	

01 22 23 00-0779 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0722)*

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

01 22 23 00-0780	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,127.39	
		For Equipment Without Operator, Deduct	*-602.42*	
01 22 23 00-0781	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,296.90	
		For Equipment Without Operator, Deduct	*-3,012.10*	
01 22 23 00-0782	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	15,746.17	
		For Equipment Without Operator, Deduct	*-12,983.17*	
01 22 23 00-0783	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,182.65	
		For Equipment Without Operator, Deduct	*-602.42*	
01 22 23 00-0784	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,421.23	
		For Equipment Without Operator, Deduct	*-3,012.10*	
01 22 23 00-0785	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,022.47	
		For Equipment Without Operator, Deduct	*-12,983.17*	
01 22 23 00-0786	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,168.84	
		For Equipment Without Operator, Deduct	*-602.42*	
01 22 23 00-0787	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,483.40	
		For Equipment Without Operator, Deduct	*-3,012.10*	
01 22 23 00-0788	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,436.92	
		For Equipment Without Operator, Deduct	*-12,983.17*	
01 22 23 00-0789	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,327.71	
		For Equipment Without Operator, Deduct	*-602.42*	
01 22 23 00-0790	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,897.85	
		For Equipment Without Operator, Deduct	*-3,012.10*	
01 22 23 00-0791	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	17,403.97	
		For Equipment Without Operator, Deduct	*-12,983.17*	

01 22 23 00-0792 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0722)*

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

01 22 23 00-0793	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	943.65	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*68.25*	
01 22 23 00-0794	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,943.92	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*186.36*	
01 22 23 00-0795	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,115.86	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*426.54*	
01 22 23 00-0796	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	961.61	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*71.84*	
01 22 23 00-0797	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,992.96	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*196.17*	
01 22 23 00-0798	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,228.11	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*448.99*	
01 22 23 00-0799	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,058.32	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*91.18*	
01 22 23 00-0800	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,262.36	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*250.05*	
01 22 23 00-0801	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,849.78	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*573.32*	
01 22 23 00-0802	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,111.57	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*101.83*	
01 22 23 00-0803	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,239.29	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*245.44*	
01 22 23 00-0804	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	16,038.08	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*610.98*	

01 22 23 00-0805 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0722)*

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

01 22 23 00-0806	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	892.54	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*58.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0807	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,675.22	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*132.62*	
01 22 23 00-0808	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,571.89	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*317.74*	
01 22 23 00-0809	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	899.44	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*59.40*	
01 22 23 00-0810	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,695.94	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*136.77*	
01 22 23 00-0811	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,620.25	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*327.42*	
01 22 23 00-0812	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,044.50	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*88.42*	
01 22 23 00-0813	WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,013.69	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*200.32*	
01 22 23 00-0814	MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,400.79	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*483.52*	
01 22 23 00-0815	DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,058.32	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*91.18*	
01 22 23 00-0816	WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,131.12	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*223.80*	
01 22 23 00-0817	MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,815.25	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*566.42*	
01 22 23 00-0818	DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,182.65	
		For Equipment Without Operator, Deduct	*-602.42*	
		For Propane Instead Of Gas Or Diesel, Add	*116.05*	
01 22 23 00-0819	WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,331.43	
		For Equipment Without Operator, Deduct	*-3,012.10*	
		For Propane Instead Of Gas Or Diesel, Add	*263.87*	
01 22 23 00-0820	MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	16,160.62	
		For Equipment Without Operator, Deduct	*-12,983.17*	
		For Propane Instead Of Gas Or Diesel, Add	*635.49*	

01 22 23 00-0821 Chain Hoists *(01 22 23 00-0722)*

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

01 22 23 00-0822	DAY	1 Ton, 20' Lift, Manual Chain Hoist	10.00
01 22 23 00-0823	WK	1 Ton, 20' Lift, Manual Chain Hoist	26.00
01 22 23 00-0824	MO	1 Ton, 20' Lift, Manual Chain Hoist	77.00
01 22 23 00-0825	DAY	3 Ton, 20' Lift, Manual Chain Hoist	28.00
01 22 23 00-0826	WK	3 Ton, 20' Lift, Manual Chain Hoist	66.00
01 22 23 00-0827	MO	3 Ton, 20' Lift, Manual Chain Hoist	185.00
01 22 23 00-0828	DAY	5 Ton, 20' Lift, Manual Chain Hoist	36.00
01 22 23 00-0829	WK	5 Ton, 20' Lift, Manual Chain Hoist	97.00
01 22 23 00-0830	MO	5 Ton, 20' Lift, Manual Chain Hoist	270.00
01 22 23 00-0831	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	71.00
01 22 23 00-0832	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	185.00
01 22 23 00-0833	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	500.00
01 22 23 00-0834	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	72.00
01 22 23 00-0835	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	192.50
01 22 23 00-0836	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	525.00
01 22 23 00-0837	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	74.00
01 22 23 00-0838	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	207.50
01 22 23 00-0839	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	575.00

01 22 23 00-0840 Roof Swing Hoist *(01 22 23 00-0722)*

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

01 22 23 00-0841	DAY	Up To 400#, Manual Swing Roof Hoist	57.54
01 22 23 00-0842	WK	Up To 400#, Manual Swing Roof Hoist	201.39
01 22 23 00-0843	MO	Up To 400#, Manual Swing Roof Hoist	690.48

01 22 23 00-0844 Pumping Equipment *(01 22 23)*

01 22 23 00-0845 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-0844)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0869 for larger diameter pumps.

01 22 23 00-0846	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	46.40
01 22 23 00-0847	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	104.40
01 22 23 00-0848	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	278.40
01 22 23 00-0849	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	55.68
01 22 23 00-0850	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	125.28
01 22 23 00-0851	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	334.08

01 22 23 00-0852 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-0844)*

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0853	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	53.36	
01 22 23 00-0854	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	150.80	
01 22 23 00-0855	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	382.80	
01 22 23 00-0856	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	64.96	
01 22 23 00-0857	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	174.00	
01 22 23 00-0858	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	493.00	

01 22 23 00-0859 Gas Powered Portable Trash Pumps *(01 22 23 00-0844)*

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

01 22 23 00-0860	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	67.28	
01 22 23 00-0861	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	139.20	
01 22 23 00-0862	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	417.60	
01 22 23 00-0863	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	67.28	
01 22 23 00-0864	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	179.80	
01 22 23 00-0865	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	493.00	
01 22 23 00-0866	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	106.72	
01 22 23 00-0867	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	301.60	
01 22 23 00-0868	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	875.80	

01 22 23 00-0869 Diesel Powered Portable Trash Pumps *(01 22 23 00-0844)*

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

01 22 23 00-0870	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	208.80	
01 22 23 00-0871	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	568.40	
01 22 23 00-0872	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	2,476.60	
01 22 23 00-0873	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	319.00	
01 22 23 00-0874	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	835.20	
01 22 23 00-0875	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,221.40	
01 22 23 00-0876	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	433.84	
01 22 23 00-0877	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,161.16	
01 22 23 00-0878	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,106.48	
01 22 23 00-0879	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	561.44	
01 22 23 00-0880	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,433.76	
01 22 23 00-0881	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	4,210.80	

01 22 23 00-0882 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-0844)*

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

01 22 23 00-0883	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	298.12	
01 22 23 00-0884	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	678.60	
01 22 23 00-0885	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,115.84	
01 22 23 00-0886	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	365.40	
01 22 23 00-0887	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	910.60	
01 22 23 00-0888	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,476.60	
01 22 23 00-0889	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	440.80	
01 22 23 00-0890	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,303.84	
01 22 23 00-0891	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,636.60	
01 22 23 00-0892	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	663.52	
01 22 23 00-0893	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,694.76	
01 22 23 00-0894	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,976.40	

01 22 23 00-0895 3 Phase Electric Submersible Pumps *(01 22 23 00-0844)*

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

01 22 23 00-0896	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	116.00	
01 22 23 00-0897	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	290.00	
01 22 23 00-0898	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	870.00	
01 22 23 00-0899	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	153.12	
01 22 23 00-0900	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	382.80	
01 22 23 00-0901	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,148.40	

01 22 23 00-0902 Suction Hose With Couplings *(01 22 23 00-0844)*

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

01 22 23 00-0903	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.00	
01 22 23 00-0904	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	15.00	
01 22 23 00-0905	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	46.00	
01 22 23 00-0906	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	16.00	
01 22 23 00-0907	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	41.00	
01 22 23 00-0908	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	125.00	
01 22 23 00-0909	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	24.00	
01 22 23 00-0910	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	61.00	
01 22 23 00-0911	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	185.00	
01 22 23 00-0912	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	30.00	
01 22 23 00-0913	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	75.00	
01 22 23 00-0914	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	220.00	
01 22 23 00-0915	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	70.00	
01 22 23 00-0916	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	180.00	
01 22 23 00-0917	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	530.00	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0918	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	94.00	
01 22 23 00-0919	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	205.00	
01 22 23 00-0920	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	615.00	

01 22 23 00-0921 Discharge Hose With Couplings *(01 22 23 00-0844)*

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

01 22 23 00-0922	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.00	
01 22 23 00-0923	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.00	
01 22 23 00-0924	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	46.00	
01 22 23 00-0925	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.00	
01 22 23 00-0926	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	17.00	
01 22 23 00-0927	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	53.00	
01 22 23 00-0928	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.00	
01 22 23 00-0929	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-0930	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	61.00	
01 22 23 00-0931	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.00	
01 22 23 00-0932	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	54.00	
01 22 23 00-0933	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	155.00	
01 22 23 00-0934	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	26.00	
01 22 23 00-0935	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	71.00	
01 22 23 00-0936	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	195.00	
01 22 23 00-0937	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-0938	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	50.00	
01 22 23 00-0939	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	150.00	
01 22 23 00-0940	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	51.00	
01 22 23 00-0941	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	130.00	
01 22 23 00-0942	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	385.00	

01 22 23 00-0943 Hydraulic Submersible Pumps *(01 22 23 00-0844)*

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

01 22 23 00-0944 Hydraulic Submersible Pumps *(01 22 23 00-0943)*

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

01 22 23 00-0945	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	76.56	
01 22 23 00-0946	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	205.32	
01 22 23 00-0947	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	574.20	
01 22 23 00-0948	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	97.44	
01 22 23 00-0949	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	250.56	
01 22 23 00-0950	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	765.60	

01 22 23 00-0951 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-0943)*

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

01 22 23 00-0952	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	176.90	
01 22 23 00-0953	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	527.80	
01 22 23 00-0954	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,392.00	

01 22 23 00-0955 Temporary Building Services *(01 22 23)*

01 22 23 00-0956 Boilers *(01 22 23 00-0955)*

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

01 22 23 00-0957 Electric Boilers *(01 22 23 00-0956)*

01 22 23 00-0958	MO	40 MBH, 12 KW Electric Boiler Rental	1,816.13	
01 22 23 00-0959	MO	60 MBH, 20 KW Electric Boiler Rental	1,981.25	
01 22 23 00-0960	MO	95 MBH, 30 KW Electric Boiler Rental	2,063.82	
01 22 23 00-0961	MO	135 MBH, 40 KW Electric Boiler Rental	2,311.43	
01 22 23 00-0962	MO	165 MBH, 50 KW Electric Boiler Rental	3,219.50	
01 22 23 00-0963	MO	215 MBH, 60 KW Electric Boiler Rental	3,714.82	
01 22 23 00-0964	MO	365 MBH, 100 KW Electric Boiler Rental	4,870.57	
01 22 23 00-0965	MO	510 MBH, 150 KW Electric Boiler Rental	5,943.76	

01 22 23 00-0966 Oil/Gas Fired Boilers *(01 22 23 00-0956)*

01 22 23 00-0967	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	1,906.50	
		For >3 Months Rental, Deduct		*-285.98*
01 22 23 00-0968	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	2,478.45	
		For >3 Months Rental, Deduct		*-371.77*
01 22 23 00-0969	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	4,003.65	
		For >3 Months Rental, Deduct		*-600.55*
01 22 23 00-0970	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	5,528.85	
		For >3 Months Rental, Deduct		*-829.33*

01 22 23 00-0971 Oil Fired Boilers *(01 22 23 00-0956)*

01 22 23 00-0972	MO	250 HP Oil Fired Boiler Rental	5,100.60	
01 22 23 00-0973	MO	350 HP Oil Fired Boiler Rental	6,800.80	
01 22 23 00-0974	MO	500 HP Oil Fired Boiler Rental	8,501.01	
01 22 23 00-0975	MO	600 HP Oil Fired Boiler Rental	9,351.11	

01 22 23 00-0976 Boilers Setup *(01 22 23 00-0956)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0977	EA	Setup Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	4,457.19	

01 22 23 00-0978 Chillers *(01 22 23 00-0955)*

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

01 22 23 00-0979 Air Cooled Chillers *(01 22 23 00-0978)*

01 22 23 00-0980	MO	25 Ton Air Cooled Chiller Rental	2,758.21	
		For >3 To 6 Month Rental, Deduct	*-413.73*	
		For >6 Month Rental, Deduct	*-689.55*	
01 22 23 00-0981	MO	40 Ton Air Cooled Chiller Rental	4,413.15	
		For >3 To 6 Month Rental, Deduct	*-661.97*	
		For >6 Month Rental, Deduct	*-1,103.29*	
01 22 23 00-0982	MO	60 Ton Air Cooled Chiller Rental	5,397.78	
		For >3 To 6 Month Rental, Deduct	*-809.67*	
		For >6 Month Rental, Deduct	*-1,349.45*	
01 22 23 00-0983	MO	80 Ton Air Cooled Chiller Rental	6,382.41	
		For >3 To 6 Month Rental, Deduct	*-957.36*	
		For >6 Month Rental, Deduct	*-1,595.60*	
01 22 23 00-0984	MO	100 Ton Air Cooled Chiller Rental	7,367.04	
		For >3 To 6 Month Rental, Deduct	*-1,105.06*	
		For >6 Month Rental, Deduct	*-1,841.76*	
01 22 23 00-0985	MO	125 Ton Air Cooled Chiller Rental	8,534.86	
		For >3 To 6 Month Rental, Deduct	*-1,280.23*	
		For >6 Month Rental, Deduct	*-2,133.72*	
01 22 23 00-0986	MO	155 Ton Air Cooled Chiller Rental	10,325.09	
		For >3 To 6 Month Rental, Deduct	*-1,548.76*	
		For >6 Month Rental, Deduct	*-2,581.27*	
01 22 23 00-0987	MO	170 Ton Air Cooled Chiller Rental	11,041.18	
		For >3 To 6 Month Rental, Deduct	*-1,656.18*	
		For >6 Month Rental, Deduct	*-2,760.30*	
01 22 23 00-0988	MO	200 Ton Air Cooled Chiller Rental	12,683.62	
		For >3 To 6 Month Rental, Deduct	*-1,902.54*	
		For >6 Month Rental, Deduct	*-3,170.91*	
01 22 23 00-0989	MO	250 Ton Air Cooled Chiller Rental	15,092.12	
		For >3 To 6 Month Rental, Deduct	*-2,263.82*	
		For >6 Month Rental, Deduct	*-3,773.03*	
01 22 23 00-0990	MO	300 Ton Air Cooled Chiller Rental Note: Includes trailer.	17,610.94	
		For >3 To 6 Month Rental, Deduct	*-2,641.64*	
		For >6 Month Rental, Deduct	*-4,402.74*	
01 22 23 00-0991	MO	400 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	23,231.46	
		For >3 To 6 Month Rental, Deduct	*-3,484.72*	
		For >6 Month Rental, Deduct	*-5,807.87*	
01 22 23 00-0992	MO	500 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	28,756.21	
		For >3 To 6 Month Rental, Deduct	*-4,313.43*	
		For >6 Month Rental, Deduct	*-7,189.05*	
01 22 23 00-0993	EA	Setup Air Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	3,098.29	

01 22 23 00-0994 Chiller Rental Accessories *(01 22 23 00-0978)*

01 22 23 00-0995	MO	4" x 25' Flexible Water Hose For Chiller Rental	49.15	
01 22 23 00-0996	MO	6" x 25' Flexible Water Hose For Chiller Rental	61.44	

01 22 23 00-0997 Emergency Cooler/Freezer *(01 22 23 00-0955)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-0998	DAY	8 x 6 x 7 Emergency Cooler Rental	80.17	
01 22 23 00-0999	WK	8 x 6 x 7 Emergency Cooler Rental	427.56	
01 22 23 00-1000	DAY	10 x 7 x 7 Emergency Cooler Rental	160.34	
01 22 23 00-1001	WK	10 x 7 x 7 Emergency Cooler Rental	641.34	
01 22 23 00-1002	MO	10 x 7 x 7 Emergency Cooler Rental	1,603.35	
01 22 23 00-1003	DAY	10 x 7 x 7 Emergency Freezer Rental	187.06	
01 22 23 00-1004	WK	10 x 7 x 7 Emergency Freezer Rental	748.23	
01 22 23 00-1005	MO	10 x 7 x 7 Emergency Freezer Rental	1,924.02	
01 22 23 00-1006	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	213.78	
01 22 23 00-1007	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	855.12	
01 22 23 00-1008	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,137.80	

01 22 23 00-1009 Fuel Oil Tank *(01 22 23 00-0955)*

Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.

01 22 23 00-1010	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	321.41	
01 22 23 00-1011	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	499.97	
01 22 23 00-1012	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,249.92	
01 22 23 00-1013	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,083.20	
01 22 23 00-1014	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	2,749.82	
01 22 23 00-1015	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	4,912.38	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1016		Air Handling Unit (AHU) *(01 22 23 00-0955)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1017		Air Handling Unit (AHU) *(01 22 23 00-1016)*		
01 22 23 00-1018	MO	5,000 CFM Air Handling Unit Rental	3,254.48	
01 22 23 00-1019	MO	10,000 CFM Air Handling Unit Rental	3,365.22	
01 22 23 00-1020	MO	25,000 CFM Air Handling Unit Rental	5,530.17	
01 22 23 00-1021		Air Handling Unit Setup *(01 22 23 00-1016)*		
01 22 23 00-1022	EA	Setup Rental Air Handling Unit Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,148.83	
01 22 23 00-1023	MO	12" x 100' Flex Duct For AHU Rental Note: Include four (4) 25' sections.	318.49	
01 22 23 00-1024	MO	20" x 100' Flex Duct For AHU Rental Note: Include four (4) 25' sections.	385.11	
01 22 23 00-1025		Truck And Trailer Equipment *(01 22 23)*		
01 22 23 00-1026		Trucks *(01 22 23 00-1025)* Note: Includes driver, delivery, and removal.		
01 22 23 00-1027		Flat Bed Trucks *(01 22 23 00-1026)* Note: Includes hydraulic tilt bed.		
01 22 23 00-1028	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	805.24	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1029	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,430.50	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1030	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,614.84	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1031	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	913.55	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1032	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,708.05	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1033	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,325.63	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1034	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	991.27	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1035	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,005.10	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1036	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,456.16	
		For Equipment Without Operator, Deduct	*-11,956.33*	
01 22 23 00-1037		Light Duty Trucks *(01 22 23 00-1026)*		
01 22 23 00-1038	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	764.74	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1039	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,462.82	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1040	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	13,399.84	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1041	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	804.11	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1042	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,580.92	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1043	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	13,662.30	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1044		Rear Dump Trucks *(01 22 23 00-1026)*		
01 22 23 00-1045	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver	938.05	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1046	WK	4 CY Rear Dump Truck With Full-Time Truck Driver	3,829.83	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1047	MO	4 CY Rear Dump Truck With Full-Time Truck Driver	14,694.01	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1048	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver	992.80	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1049	WK	6 CY Rear Dump Truck With Full-Time Truck Driver	3,947.16	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1050	MO	6 CY Rear Dump Truck With Full-Time Truck Driver	14,772.23	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1051	DAY	13 CY Rear Dump Truck With Full-Time Truck Driver	1,642.03	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1052	WK	13 CY Rear Dump Truck With Full-Time Truck Driver	5,284.72	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1053	MO	13 CY Rear Dump Truck With Full-Time Truck Driver	18,526.79	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1054	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	1,750.75	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1055	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	5,535.81	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1056	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	19,183.84	
		For Equipment Without Operator, Deduct	*-11,956.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1057		**Vacuum Trucks** *(01 22 23 00-1026)*		
01 22 23 00-1058	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,634.21	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1059	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,024.68	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1060	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	21,549.21	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1061		**Water Trucks** *(01 22 23 00-1026)*		
		Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-0921 for additional discharge hose, 01 22 23 00-1089 for water trailer.		
01 22 23 00-1062	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,173.52	
		For Equipment Without Operator, Deduct	*-554.77*	
		For Each 1,000 Gallon Of Purchased Water, Add	*8.32*	
01 22 23 00-1063	WK	2,000 Gallon Water Truck With Full-Time Driver	4,403.24	
		For Equipment Without Operator, Deduct	*-2,773.86*	
		For Each 1,000 Gallon Of Purchased Water, Add	*8.32*	
01 22 23 00-1064	MO	2,000 Gallon Water Truck With Full-Time Driver	15,806.31	
		For Equipment Without Operator, Deduct	*-11,956.31*	
		For Each 1,000 Gallon Of Purchased Water, Add	*8.32*	
01 22 23 00-1065	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	1,476.02	
		For Equipment Without Operator, Deduct	*-554.77*	
		For Each 1,000 Gallon Of Purchased Water, Add	*8.32*	
01 22 23 00-1066	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	5,310.74	
		For Equipment Without Operator, Deduct	*-2,773.86*	
		For Each 1,000 Gallon Of Purchased Water, Add	*8.32*	
01 22 23 00-1067	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	18,143.81	
		For Equipment Without Operator, Deduct	*-11,956.31*	
		For Each 1,000 Gallon Of Purchased Water, Add	*8.32*	
01 22 23 00-1068		**Asphalt Distribution Trucks** *(01 22 23 00-1026)*		
01 22 23 00-1069	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,715.06	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1070	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	6,239.84	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1071	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	22,202.63	
		For Equipment Without Operator, Deduct	*-11,956.31*	
01 22 23 00-1072		**Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board** *(01 22 23 00-1026)*		
01 22 23 00-1073	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,229.03	
		For Equipment Without Operator, Deduct	*-554.77*	
01 22 23 00-1074	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	4,763.78	
		For Equipment Without Operator, Deduct	*-2,773.86*	
01 22 23 00-1075	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	16,788.76	
		For Equipment Without Operator, Deduct	*-11,956.33*	
01 22 23 00-1076		**Truck Mounted Accessories** *(01 22 23 00-1025)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1077		**Truck Mounted Arrow Boards** *(01 22 23 00-1076)*		
01 22 23 00-1078	DAY	Truck Mounted Arrow Board	41.25	
01 22 23 00-1079	WK	Truck Mounted Arrow Board	164.06	
01 22 23 00-1080	MO	Truck Mounted Arrow Board	585.00	
01 22 23 00-1081		**Snow Removal Equipment** *(01 22 23 00-1076)*		
		See CSI section 01 22 23 00-1026 for truck information.		
01 22 23 00-1082	DAY	One Way Type Snow Plow Attachment For Trucks	173.50	
01 22 23 00-1083	DAY	Reversible Type Snow Plow Attachment For Trucks	185.82	
01 22 23 00-1084	DAY	V Type Snow Plow Attachment For Trucks	192.63	
01 22 23 00-1085	DAY	Slide-In, V-Box Hopper, 10 CY Salt/Sand Spreader Attachment For Dump Body Trucks	79.67	
01 22 23 00-1086	DAY	Tailgate Mounted, Salt/Sand Spreader Attachment For Pickup Trucks	53.73	
01 22 23 00-1087	DAY	Salt/Sand Spreader Attachment For Pickup Trucks	53.99	
01 22 23 00-1088		**Trailers** *(01 22 23 00-1025)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1089		**Water Trailers With Pump** *(01 22 23 00-1088)*		
01 22 23 00-1090	DAY	500 To 600 Gallon Water Trailer With Pump	158.12	
01 22 23 00-1091	WK	500 To 600 Gallon Water Trailer With Pump	405.62	
01 22 23 00-1092	MO	500 To 600 Gallon Water Trailer With Pump	1,086.25	

01 30 Administrative Requirements *(01)*

01 35 Special Procedures *(01 30)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 35 29 Health, Safety, And Emergency Response Procedures *(01 35)*

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0039 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0027 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	1.49	
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	2.81	

01 35 33 Infection Control Procedures *(01 35)*

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements *(01)*

01 45 Quality Control *(01 40)*

01 45 23 Testing And Inspecting Services *(01 45)*

Note: Includes collecting and shipping samples for testing, equipment for field tests, and test reports.

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

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

01 45 23 00-0003	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	18.46	
01 45 23 00-0004	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	40.37	
01 45 23 00-0005	EA	Concrete Cores Compression Test, ASTM C-42	82.60	
01 45 23 00-0006	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	120.73	
01 45 23 00-0007	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	44.48	
01 45 23 00-0008	EA	Concrete Mix Design Review	241.45	
01 45 23 00-0009	EA	Trial Concrete Batch Prepared In Laboratory	571.86	
01 45 23 00-0010	EA	Concrete Shrinkage, ASTM C-157 Modified	444.78	
01 45 23 00-0011	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	68.62	
01 45 23 00-0012	EA	Concrete Slump Test, ASTM C143	31.77	
01 45 23 00-0013	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	31.77	

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

01 45 23 00-0015	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	31.77	
01 45 23 00-0016	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	50.83	

01 45 23 00-0017 Asphaltic Concrete Testing *(01 45 23 00-0001)*

01 45 23 00-0018	EA	Hveem Asphaltic Concrete Stability Test, CA 366	63.54	
01 45 23 00-0019	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	165.20	
01 45 23 00-0020	EA	Stability Tests, Premixed, ASTM D1559	63.54	
01 45 23 00-0021	EA	Stability Tests, Lab. Mixed, ASTM D1559	165.20	
01 45 23 00-0022	EA	Swell Test, CA 305 Note: Includes compaction.	76.25	
01 45 23 00-0023	EA	% Asphalt Extraction Test, ASTM D-2172 B	190.62	
01 45 23 00-0024	EA	Gradation On Extracted Sample, ASTM D-5444	127.08	
01 45 23 00-0025	EA	Maximum Theoretical Unit Weight, ASTM C2041	121.11	
01 45 23 00-0026	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	25.42	
01 45 23 00-0027	EA	Asphalt Unit Weight On Core Test, CA 308C	25.42	
01 45 23 00-0028	HR	Nuclear Field Density Testing, 4 Hour Minimum	130.89	
01 45 23 00-0029	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	85.75	
01 45 23 00-0030	EA	Penetration, ASTM D5	91.79	

01 45 23 00-0031 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0032 Field Soils Tests *(01 45 23 00-0031)*

01 45 23 00-0033	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	196.97	
01 45 23 00-0034	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	279.58	
01 45 23 00-0035	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	317.70	
01 45 23 00-0036	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	254.16	
01 45 23 00-0037	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	381.24	
01 45 23 00-0038	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	762.22	
01 45 23 00-0039	EA	Moisture Content, Field Soils Test	28.58	
01 45 23 00-0040	EA	UBC Or Swell Test, Field Soils Test	100.13	
01 45 23 00-0041	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	190.56	
01 45 23 00-0042	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	238.19	
01 45 23 00-0043	EA	Density And Classification Test, Field Soils Test	76.22	
01 45 23 00-0044	EA	Percolation Test, Field Soils Test	190.56	
01 45 23 00-0045	EA	Infiltration Test, Field Soils Test	381.11	

01 45 23 00-0046 Aggregate Testing *(01 45 23 00-0031)*

01 45 23 00-0047	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	63.54	
01 45 23 00-0048	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.37	
01 45 23 00-0049	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	158.85	
01 45 23 00-0050	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	123.86	
01 45 23 00-0051	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	100.93	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0052	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	90.51	
01 45 23 00-0053	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	134.57	
01 45 23 00-0054	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	127.08	
01 45 23 00-0055	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	127.08	
01 45 23 00-0056	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	95.31	
01 45 23 00-0057	EA	Fine Aggregate Durability Index, CA 229	101.66	
01 45 23 00-0058	EA	Sodium And Magnesium Soundness, ASTM C88	266.78	
01 45 23 00-0059	EA	Los Angeles Rattler, ASTM C-131, CA 211	203.33	
01 45 23 00-0060	EA	Los Angeles Rattler, ASTM C-535	203.33	
01 45 23 00-0061	EA	Unit Weight Of Aggregates, ASTM C29	57.19	
01 45 23 00-0062	EA	Organic Impurities In Sand, ASTM C40	57.17	
01 45 23 00-0063	EA	Crushed Particle, ASTM California Test Method	57.17	
01 45 23 00-0064	EA	Clay Lump And Friable Particles, ASTM C142	114.33	
01 45 23 00-0065		Permeability Tests *(01 45 23 00-0031)*		
01 45 23 00-0066		In-Place Tests *(01 45 23 00-0065)*		
01 45 23 00-0067	EA	Double Ring Infiltrometer Test, ASTM D3385	1,009.28	
01 45 23 00-0068	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	47.64	
01 45 23 00-0069		Lab Tests *(01 45 23 00-0065)*		
01 45 23 00-0070	EA	Falling Head Rigid Wall Consolidometer Technique CAE	471.00	
01 45 23 00-0071	EA	Falling Head Permeability Test EPA-9100	471.00	
01 45 23 00-0072	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	269.14	
01 45 23 00-0073		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0074		Masonry Testing *(01 45 23 00-0073)*		
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	41.94	
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	41.94	
01 45 23 00-0077	EA	Masonry Cores Compression Test	82.60	
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	158.85	
01 45 23 00-0079		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0073)*		
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	101.66	
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	69.89	
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	266.78	
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	133.39	
01 45 23 00-0084		Metals Testing *(01 45 23)*		
01 45 23 00-0085		Tank Tightness Testing *(01 45 23 00-0084)* Note: Includes reporting. Excludes retesting, replacement/installation of, gaskets, nuts/bolts, or any re-piping required to pass the system.		
01 45 23 00-0086	EA	250 To 30,000 Gallons, EZY Check III Precision Volumetric Underfill Tank Tightness Test	910.99	
01 45 23 00-0087		Other Testing *(01 45 23)*		
01 45 23 00-0088		Special Testing *(01 45 23 00-0087)*		
01 45 23 00-0089	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight	98.50	
01 45 23 00-0090	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	591.02	
01 45 23 00-0091	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	29.72	
01 45 23 00-0092	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	123.18	
01 45 23 00-0093	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	123.18	
01 45 23 00-0094	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	123.18	
01 45 23 00-0095	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	677.49	
01 45 23 00-0096		Nondestructive Field Testing Services *(01 45 23 00-0087)*		
01 45 23 00-0097		Infrared Thermography *(01 45 23 00-0096)* Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0098		Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0097)* Note: For on the roof surveys.		
01 45 23 00-0099	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	2,217.24	
01 45 23 00-0100	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.70	
		For CADD Drawings, Add	*0.74*	
01 45 23 00-0101	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.46	
		For CADD Drawings, Add	*0.49*	
01 45 23 00-0102	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	1.85	
		For CADD Drawings, Add	*0.37*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.46*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.46*	
01 45 23 00-0103	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	1.23	
		For CADD Drawings, Add	*0.25*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.31*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.31*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0104		Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0097)*		
		Note: For finding moisture in walls and windows.		
01 45 23 00-0105	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	1,170.21	
01 45 23 00-0106	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	3.70	
		For Digital Or Analog Recording Of All Items, Add	*1.85*	
01 45 23 00-0107	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.46	
		For Digital Or Analog Recording Of All Items, Add	*1.23*	
01 45 23 00-0108	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	1.23	
		For Digital Or Analog Recording Of All Items, Add	*0.62*	
01 45 23 00-0109		General Building Investigation Using Infrared Thermography *(01 45 23 00-0097)*		
		Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0110	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	2,402.01	
01 45 23 00-0111	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	3.70	
		For Digital Or Analog Recording Of All Items, Add	*1.85*	
01 45 23 00-0112	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	2.46	
		For Digital Or Analog Recording Of All Items, Add	*1.23*	
01 45 23 00-0113	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	1.23	
		For Digital Or Analog Recording Of All Items, Add	*0.62*	
01 45 23 00-0114		Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0097)*		
		Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0115	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	1,170.21	
01 45 23 00-0116	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	142.36	
		For Digital Or Analog Recording Of All Items, Add	*21.30*	
01 45 23 00-0117		Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0097)*		
		Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0118	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	1,170.21	
01 45 23 00-0119	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	3.70	
		For Digital Or Analog Recording Of All Items, Add	*0.56*	
01 45 23 00-0120	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.46	
		For Digital Or Analog Recording Of All Items, Add	*0.37*	
01 45 23 00-0121		Other Nondestructive Field Testing Services *(01 45 23 00-0096)*		
01 45 23 00-0122	HR	ASNT Certified Level I NDT Consultant	61.38	
01 45 23 00-0123	HR	ASNT Certified Level II NDT Consultant	61.42	
01 45 23 00-0124	HR	ASNT Certified Level III NDT Consultant	90.52	
01 45 23 00-0125	HR	Certified Industrial Radiography Radiation Safety Personnel	69.58	
01 45 29		**Testing Laboratory Services** *(01 45)*		
01 45 29 00-0001		Soil Borings Laboratory Tests *(01 45 29)*		
		See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	87.47	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	27.91	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	67.28	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	471.00	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	93.04	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	20.19	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	12.54	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	161.90	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	56.46	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	11.17	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	558.29	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	112.92	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	139.57	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	325.44	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	285.93	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	83.74	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	70.85	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	275.37	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	42.80	

01 50 Temporary Facilities And Controls *(01)*

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

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 51 13 00-0001		Temporary Disconnect Switch With Fuses *(01 51 13)*		
		Note: Includes all connections and removal after use.		
01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,152.90	
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,771.95	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 51 13 00-0004		Temporary Panelboard Complete With GFCI Circuit Breakers *(01 51 13)*		
		Note: Includes all connections, pigtails and removal after use.		
01 51 13 00-0005	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,265.11	
01 51 13 00-0006	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,701.29	
01 51 13 00-0007		Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards *(01 51 13)*		
		Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0008	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	6.79	
01 51 13 00-0009	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	7.44	
01 51 26		**Temporary Lighting** ***(01 51)***		
01 51 26 00-0001		Temporary Devices *(01 51 26)*		
		Note: Includes removal after use.		
01 51 26 00-0002	EA	Temporary Exit Light	261.29	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	85.32	
01 51 26 00-0004	EA	Temporary High Bay Light	306.89	

01 52 Construction Facilities *(01 50)*

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

01 52 13 Field Offices And Sheds *(01 52)*

01 52 13 00-0001		Field Offices *(01 52 13)*	
		Note: Excludes furniture, utility connections and service. Minimum 6 months rental.	
01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	140.64
		For Each Delivery And Removal, Two Round Trips, Add	*621.92*
		For Each Set-Up (Block And Level), Add	*374.89*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
		For Office Trailer Without Toilet, Deduct	*-28.13*
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	159.38
		For Each Delivery And Removal, Two Round Trips, Add	*621.92*
		For Each Set-Up (Block And Level), Add	*374.89*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
		For Office Trailer Without Toilet, Deduct	*-31.88*
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	215.64
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
		For Office Trailer Without Toilet, Deduct	*-43.13*
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	229.70
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
		For Office Trailer Without Toilet, Deduct	*-45.94*
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	253.14
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	267.21
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	206.73
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
		For Each Delivery And Set-Up (Block And Level), Add	*886.75*
		For Each Knock-Down And Pick-Up, Add	*691.75*
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	276.40
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	314.08
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	342.21
		For Each Delivery And Removal, Two Round Trips, Add	*881.05*
		For Each Set-Up (Block And Level), Add	*611.66*
		For Each Anchoring Into Dirt, Add	*116.49*
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	750.04	
		For Each Delivery And Removal, Two Round Trips, Add	*1,658.44*	
		For Each Set-Up (Block And Level), Add	*986.55*	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	900.05	
		For Each Delivery And Removal, Two Round Trips, Add	*1,658.44*	
		For Each Set-Up (Block And Level), Add	*986.55*	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	427.76	
		For Each Delivery And Removal, Two Round Trips, Add	*1,658.44*	
		For Each Set-Up (Block And Level), Add	*986.55*	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	32.78	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	20.49	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	24.59	
01 52 13 00-0019	MO	Table For Field Office Trailer	16.39	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	7.76	
01 52 13 00-0021	MO	Security System With Monitoring For Field Office Trailer	103.30	
01 52 13 00-0022	LF	Perimeter Trailer Skirting For Field Office Trailer	11.65	
01 52 13 00-0023	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer	27.58	
01 52 13 00-0024	MO	Steps For Field Office Trailer	46.60	
01 52 13 00-0025	MO	Fax Machine For Field Office Trailer	40.98	
01 52 13 00-0026	MO	Copier For Field Office Trailer	65.57	

01 52 13 00-0027 Storage Containers *(01 52 13)*

01 52 13 00-0028	MO	8' x 8' x 10' Storage Container	97.05	
		For Each Delivery And Removal, Two Round Trips, Add	*133.60*	
		For >12 Months, Deduct	*-29.12*	
01 52 13 00-0029	MO	8' x 8' x 20' Storage Container	101.46	
		For Each Delivery And Removal, Two Round Trips, Add	*146.96*	
		For >12 Months, Deduct	*-30.44*	
01 52 13 00-0030	MO	8' x 8' x 40' Storage Container	119.99	
		For Each Delivery And Removal, Two Round Trips, Add	*295.98*	
		For >12 Months, Deduct	*-36.00*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes set-up, servicing once per week and removal.

01 52 19 00-0002	WK	Portable Chemical Toilet	46.66	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery, Add	*16.00*	
01 52 19 00-0003	MO	Portable Chemical Toilet	139.99	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery, Add	*16.00*	
01 52 19 00-0004	WK	ADA Portable Chemical Toilet	55.66	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery, Add	*16.00*	
01 52 19 00-0005	MO	ADA Portable Chemical Toilet	163.32	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery, Add	*16.00*	
01 52 19 00-0006	WK	Two Station Portable Handwash	31.41	
		For Each Delivery, Add	*16.00*	
01 52 19 00-0007	MO	Two Station Portable Handwash	95.28	
		For Each Delivery, Add	*16.00*	

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	4.75	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	22.15	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	8.81	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	16.16	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.06	0.33

01 54 Construction Aids *(01 50)*

01 54 23 Temporary Scaffolding And Platforms *(01 54)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0001		**Scaffolding** *(01 54 23)* Note: Additional scaffolding rental for work above the normal working height of 14'.		
01 54 23 00-0002		**Scaffolding Rental - Rental Only** *(01 54 23 00-0001)* Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)	22.07	
		For Up To 25, Add	*8.83*	
		For >25 To 50, Add	*5.52*	
		For >50 To 150, Add	*2.21*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	24.82	
		For Up To 25, Add	*9.93*	
		For >25 To 50, Add	*6.21*	
		For >50 To 150, Add	*2.48*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)	33.11	
		For Up To 25, Add	*13.24*	
		For >25 To 50, Add	*8.28*	
		For >50 To 150, Add	*3.31*	
01 54 23 00-0006		**Scaffolding Erection And Dismantling - Labor Only** *(01 54 23 00-0001)* Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	37.23	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	46.54	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	55.85	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	61.43	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	70.74	
01 54 23 00-0012		**Heavy Duty Masonry Scaffolding Rental - Rental Only** *(01 54 23 00-0001)* Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.		
01 54 23 00-0013	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	39.20	
01 54 23 00-0014	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	71.87	
01 54 23 00-0015	LF	Aluminum Joists (LF / Month)	6.37	
01 54 23 00-0016	LF	Aluminum Stringers (LF / Month)	9.14	
01 54 23 00-0017	EA	Screw Jack With U-Plate For Stringers (EA / Month)	11.52	
01 54 23 00-0018		**Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only** *(01 54 23 00-0001)* Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.		
01 54 23 00-0019	CCF	Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	59.57	
01 54 23 00-0020	CCF	>20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	74.46	
01 54 23 00-0021	CCF	>40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	89.35	
01 54 23 00-0022	CCF	>60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	96.80	
01 54 23 00-0023	CCF	>80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	107.97	
01 54 23 00-0024		**Scaffolding Accessories** *(01 54 23 00-0001)* See CSI section 01 54 23 00-0018 for erection.		
01 54 23 00-0025	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	25.42	
01 54 23 00-0026		**Rolling Scaffolding** *(01 54 23)* Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0027	DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	8.38	
01 54 23 00-0028	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	33.59	
01 54 23 00-0029	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	134.36	
01 54 23 00-0030	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	14.03	
01 54 23 00-0031	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	56.21	
01 54 23 00-0032	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	224.86	
01 54 23 00-0033	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	86.09	
01 54 23 00-0034	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	107.61	
01 54 23 00-0035		**Shoring Posts** *(01 54 23)* Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.		
01 54 23 00-0036	DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	4.60	
01 54 23 00-0037	WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	13.81	
01 54 23 00-0038	MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	23.02	
01 54 23 00-0039		**Temporary Lumber** *(01 54 23)* Note: Includes removal after use.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0040	SF	5/16" CD Grade Plywood, Temporary Lumber	1.22	0.46
01 54 23 00-0041	SF	1/2" CD Grade Plywood, Temporary Lumber	1.50	0.46
01 54 23 00-0042	SF	5/8" CD Grade Plywood, Temporary Lumber	1.68	0.46
01 54 23 00-0043	SF	3/4" CD Grade Plywood, Temporary Lumber	1.92	0.46
01 54 23 00-0044	SF	1" CD Grade Plywood, Temporary Lumber	2.85	0.69
01 54 23 00-0045	LF	2" x 4" Temporary Lumber	0.96	0.96
01 54 23 00-0046	LF	2" x 6" Temporary Lumber	1.43	0.96
01 54 23 00-0047	LF	2" x 8" Temporary Lumber	1.90	0.96
01 54 23 00-0048	LF	2" x 10" Temporary Lumber	2.39	0.96
01 54 23 00-0049	LF	2" x 12" Temporary Lumber	2.86	0.96
01 54 23 00-0050	LF	3" x 8" Temporary Lumber	2.86	0.96
01 54 23 00-0051	LF	3" x 10" Temporary Lumber	3.58	0.96
01 54 23 00-0052	LF	3" x 12" Temporary Lumber	4.29	0.96
01 54 23 00-0053	LF	4" x 4" Temporary Lumber	2.01	0.48
01 54 23 00-0054	LF	4" x 6" Temporary Lumber	2.91	0.60
01 54 23 00-0055	LF	6" x 6" Temporary Lumber	3.81	0.72
01 54 23 00-0056	LF	6" x 8" Temporary Lumber	4.96	0.90
01 54 23 00-0057	LF	12" x 12" Temporary Lumber	12.37	1.44

01 54 23 00-0058 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0059	EA	2' x 2' x 2' Temporary Precast Concrete Block	81.15	
01 54 23 00-0060	EA	2' x 2' x 4' Temporary Precast Concrete Block	101.44	
01 54 23 00-0061	EA	2' x 2' x 8' Temporary Precast Concrete Block	121.73	

01 54 26 Temporary Swing Staging *(01 54)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage *(01 54 26)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	1,723.16	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	1,809.32	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	1,895.48	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	1,981.64	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	2,067.79	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	2,153.95	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	2,240.11	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	496.92	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	621.14	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	3,674.43	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	5,106.24	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	1,932.09	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	2,691.13	

01 55 Vehicular Access And Parking *(01 50)*

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	4.50	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	5.53	

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	3.40	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	4.55	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	5.61	

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	1.64	
		For Not Removed, Deduct	*-2.36*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	2.16	
		For Not Removed, Deduct	*-3.21*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	2.71	
		For Not Removed, Deduct	*-4.06*	

01 55 26 00-0012 Temporary Rumble Strips *(01 55 26)*

Note: Includes removal after use.

01 55 26 00-0013	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	8.14	
01 55 26 00-0014	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	5.95	

01 55 26 00-0015 Linear Delineation System, Temporary Or Permanent *(01 55 26)*

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0016	LF	4" Linear Delineation System	6.87	
01 55 26 00-0017	LF	6" Linear Delineation System	9.17	

01 55 26 00-0018 Traffic Protection *(01 55 26)*

01 55 26 00-0019 Portable Traffic Control Device Usage *(01 55 26 00-0018)*

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

01 55 26 00-0020	DAY	28" Cone With Reflective Collar	0.49	
01 55 26 00-0021	WK	28" Cone With Reflective Collar	1.48	
01 55 26 00-0022	MO	28" Cone With Reflective Collar	4.45	
01 55 26 00-0023	DAY	Vertical Panel	1.49	
01 55 26 00-0024	WK	Vertical Panel	4.48	
01 55 26 00-0025	MO	Vertical Panel	13.43	
01 55 26 00-0026	DAY	Channelizer Drum	1.62	
01 55 26 00-0027	WK	Channelizer Drum	4.86	
01 55 26 00-0028	MO	Channelizer Drum	14.58	
01 55 26 00-0029	DAY	Stackable Channelizer Panel	0.77	
01 55 26 00-0030	WK	Stackable Channelizer Panel	2.30	
01 55 26 00-0031	MO	Stackable Channelizer Panel	6.90	
01 55 26 00-0032	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.06	
01 55 26 00-0033	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	3.18	
01 55 26 00-0034	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	9.55	
01 55 26 00-0035	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.35	
01 55 26 00-0036	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	7.06	
01 55 26 00-0037	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	21.17	
01 55 26 00-0038	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.68	
01 55 26 00-0039	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	8.04	
01 55 26 00-0040	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	24.12	
01 55 26 00-0041	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.90	
01 55 26 00-0042	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	14.71	
01 55 26 00-0043	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	44.13	
01 55 26 00-0044	DAY	Up To 10' Wide A Frame Barricade	2.69	
01 55 26 00-0045	WK	Up To 10' Wide A Frame Barricade	8.07	
01 55 26 00-0046	MO	Up To 10' Wide A Frame Barricade	24.20	
01 55 26 00-0047	DAY	Type A Or C Flasher	0.55	
01 55 26 00-0048	WK	Type A Or C Flasher	1.64	
01 55 26 00-0049	MO	Type A Or C Flasher	4.93	
01 55 26 00-0050	DAY	Type B Flasher (High Intensity)	2.97	
01 55 26 00-0051	WK	Type B Flasher (High Intensity)	8.92	
01 55 26 00-0052	MO	Type B Flasher (High Intensity)	26.76	

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

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

01 55 26 00-0054	DAY	6' Long Portable Parking Curbs	1.28	
01 55 26 00-0055	WK	6' Long Portable Parking Curbs	3.84	
01 55 26 00-0056	MO	6' Long Portable Parking Curbs	11.53	
01 55 26 00-0057	DAY	6' Long Portable Speed Bumps	3.79	
01 55 26 00-0058	WK	6' Long Portable Speed Bumps	11.37	
01 55 26 00-0059	MO	6' Long Portable Speed Bumps	34.11	
01 55 26 00-0060	DAY	Up To 12.5' Concrete Traffic Barrier	9.10	
01 55 26 00-0061	WK	Up To 12.5' Concrete Traffic Barrier	27.31	
01 55 26 00-0062	MO	Up To 12.5' Concrete Traffic Barrier	81.94	
01 55 26 00-0063	DAY	>12.5' To 20' Concrete Traffic Barrier	18.21	
01 55 26 00-0064	WK	>12.5' To 20' Concrete Traffic Barrier	54.63	
01 55 26 00-0065	MO	>12.5' To 20' Concrete Traffic Barrier	163.88	
01 55 26 00-0066	DAY	6' x 32" Tall Plastic Water Barrier	10.87	
01 55 26 00-0067	WK	6' x 32" Tall Plastic Water Barrier	32.62	
01 55 26 00-0068	MO	6' x 32" Tall Plastic Water Barrier	97.85	
01 55 26 00-0069	DAY	6' x 46" Tall Plastic Water Barrier	15.52	
01 55 26 00-0070	WK	6' x 46" Tall Plastic Water Barrier	46.57	
01 55 26 00-0071	MO	6' x 46" Tall Plastic Water Barrier	139.72	
01 55 26 00-0072	DAY	Sand Filled Crash Attenuator Barrels	6.08	
01 55 26 00-0073	WK	Sand Filled Crash Attenuator Barrels	18.23	
01 55 26 00-0074	MO	Sand Filled Crash Attenuator Barrels	54.69	
01 55 26 00-0075	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	864.08	

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

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

01 55 26 00-0077	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.77	
01 55 26 00-0078	WK	Mesh Or Vinyl Roll-up Sign With Stand	14.31	
01 55 26 00-0079	MO	Mesh Or Vinyl Roll-up Sign With Stand	42.94	
01 55 26 00-0080	DAY	Aluminum Sign And Post	2.52	
01 55 26 00-0081	WK	Aluminum Sign And Post	7.57	
01 55 26 00-0082	MO	Aluminum Sign And Post	22.72	
01 55 26 00-0083	DAY	Aluminum Sign And A Frame Stand	3.61	
01 55 26 00-0084	WK	Aluminum Sign And A Frame Stand	10.82	
01 55 26 00-0085	MO	Aluminum Sign And A Frame Stand	32.47	
01 55 26 00-0086	DAY	Trailer Mounted Flashing Arrow Board	67.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0087	WK	Trailer Mounted Flashing Arrow Board	185.44	
01 55 26 00-0088	MO	Trailer Mounted Flashing Arrow Board	399.05	
01 55 26 00-0089	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	291.99	
01 55 26 00-0090	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	778.64	
01 55 26 00-0091	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,557.28	
01 55 26 00-0092	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	812.35	
01 55 26 00-0093	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	2,437.05	
01 55 26 00-0094	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	7,311.15	

01 55 26 00-0095 Place And Remove Traffic Protection Using Truck *(01 55 26 00-0018)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0034 for delivery >15 miles.

01 55 26 00-0096	EA	Placement And Removal Of Up To 250 Cones Using Truck	3.63
01 55 26 00-0097	EA	Placement And Removal Of >250 Cones Using Truck	2.91
01 55 26 00-0098	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	4.84
01 55 26 00-0099	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	3.88
01 55 26 00-0100	EA	Placement And Removal Of Up To 250 Barricades Using Truck	7.26
01 55 26 00-0101	EA	Placement And Removal Of >250 Barricades Using Truck	5.81
01 55 26 00-0102	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	7.26
01 55 26 00-0103	EA	Placement And Removal Of Portable Sign And Stand Using Truck	4.36
01 55 26 00-0104	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	18.15
01 55 26 00-0105	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	54.45
01 55 26 00-0106	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	72.74
		For 1 Barrier, Add	*181.85*
		For 2 Barriers, Add	*65.47*
		For 3 Barriers, Add	*21.82*
01 55 26 00-0107	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	109.11
		For 1 Barrier, Add	*272.78*
		For 2 Barriers, Add	*98.20*
		For 3 Barriers, Add	*32.73*
01 55 26 00-0108	EA	Placement And Removal Of Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	40.53
		For 1 Barrier, Add	*90.93*
		For 2 Barriers, Add	*32.73*
		For 3 Barriers, Add	*10.91*
01 55 26 00-0109	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	54.56
		For 1 Barrier, Add	*136.40*
		For 2 Barriers, Add	*49.10*
		For 3 Barriers, Add	*16.37*
01 55 26 00-0110	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	400.07	

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

01 55 26 00-0112	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside	1.82
01 55 26 00-0113	EA	Placement And Removal Of >250 Cones By Hand From Roadside	1.45
01 55 26 00-0114	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	2.42
01 55 26 00-0115	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	1.92
01 55 26 00-0116	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	3.63
01 55 26 00-0117	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	2.91
01 55 26 00-0118	EA	Placement And Removal Of Portable Sign And Stand From Roadside	2.19
01 55 26 00-0119	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	27.23
01 55 26 00-0120	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	36.37

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

Note: Includes removal after use.

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

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

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.28
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls	0.37
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings	0.49
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding	0.48
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.33
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.42
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.54
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0010	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors	0.34	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls	0.43	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings	0.55	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding	0.52	
01 56 16 00-0014	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.34	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.43	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.55	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.52	
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.38	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls	0.47	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings	0.59	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.56	
01 56 16 00-0022	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.62	

01 56 16 00-0023 Temporary Stud Wall *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0024 Temporary Stud Wall With Drywall *(01 56 16 00-0023)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.

01 56 16 00-0025 Temporary Stud Wall With Drywall *(01 56 16 00-0024)*

01 56 16 00-0026	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.29	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0027	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.29	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0028	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.38	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0029	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.96	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.96	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0031	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.13	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	

01 56 16 00-0032 Temporary Stud Wall With Fire Rated Drywall *(01 56 16 00-0024)*

01 56 16 00-0033	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.39	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0034	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.42	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0035	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.37	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0036	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.02	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0037	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.15	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0038	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.21	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0039	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.11	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0040	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.42	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	

01 56 16 00-0041 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0023)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0042	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.21	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0043	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.25	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0044	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.36	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0045	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.42	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0046	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.79	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0047	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.87	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0048	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.09	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0049	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.21	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	

01 56 16 00-0050 Temporary Stud Wall With BC Plywood *(01 56 16 00-0023)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0051	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.48	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0052	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.62	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0053	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.74	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0054	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.86	
		For Metal Studs 24" On Center, Add/Deduct	*0.33*	
01 56 16 00-0055	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.32	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0056	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.62	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0057	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.85	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	
01 56 16 00-0058	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.09	
		For Metal Studs 24" On Center, Add/Deduct	*0.39*	

01 56 16 00-0059 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0023)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.

01 56 16 00-0060	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.46	
		For Metal Studs 24" On Center, Add/Deduct	*0.26*	
01 56 16 00-0061	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.51	
		For Metal Studs 24" On Center, Add/Deduct	*0.26*	
01 56 16 00-0062	SF	6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.52	
		For Metal Studs 24" On Center, Add/Deduct	*0.26*	
01 56 16 00-0063	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.52	
		For Metal Studs 24" On Center, Add/Deduct	*0.26*	
01 56 16 00-0064	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.56	
		For Metal Studs 24" On Center, Add/Deduct	*0.26*	

01 56 16 00-0065 Temporary Doors *(01 56 16 00-0023)*

Note: For temporary stud walls. Includes removal after use.

01 56 16 00-0066	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	431.13	

01 56 16 00-0067 Temporary Floor Protection *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0068	SF	Masonite For Temporary Floor Protection	1.34	
01 56 16 00-0069	SF	1/2" Plywood For Temporary Floor Protection	1.39	
01 56 16 00-0070	SF	3/4" Plywood For Temporary Floor Protection	1.70	

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Per ASTM A392-06 Standards

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	5.48	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.41*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	6.11	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.46*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	8.49	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.78*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	19.07	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.31*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	5.76	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.30*	
		For >500, Deduct	*-0.45*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	6.41	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.51*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	9.00	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
		For Each LF Shade Cloth, Add	*3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	20.60	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.54*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	6.06	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.50*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	6.76	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.56*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	9.58	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	22.30	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.80*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	6.39	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	7.11	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.61*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	10.20	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.03*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	24.16	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-3.08*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	224.97	
		For Each LF Shade Cloth, Add	*12.93*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	379.87	
		For Each LF Shade Cloth, Add	*32.33*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	425.94	
		For Each LF Shade Cloth, Add	*38.80*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	484.45	
		For Each LF Shade Cloth, Add	*48.50*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	581.09	
		For Each LF Shade Cloth, Add	*64.67*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	645.89	
		For Each LF Shade Cloth, Add	*77.60*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	240.45	
		For Each LF Shade Cloth, Add	*20.61*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	409.35	
		For Each LF Shade Cloth, Add	*51.53*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	459.94	
		For Each LF Shade Cloth, Add	*61.84*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	531.95	
		For Each LF Shade Cloth, Add	*77.30*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	643.47	
		For Each LF Shade Cloth, Add	*103.07*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	728.28	
		For Each LF Shade Cloth, Add	*123.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	268.21	
		For Each LF Shade Cloth, Add	*29.10*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	467.89	
		For Shade Cloth, Add	*72.75*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	524.03	
		For Shade Cloth, Add	*87.30*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	599.21	
		For Shade Cloth, Add	*109.13*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	732.31	
		For Shade Cloth, Add	*145.50*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	846.63	
		For Shade Cloth, Add	*174.61*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	325.66	
		For Each LF Shade Cloth, Add	*38.40*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	562.61	
		For Each LF Shade Cloth, Add	*95.99*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	631.33	
		For Each LF Shade Cloth, Add	*115.19*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	720.89	
		For Each LF Shade Cloth, Add	*143.99*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	881.24	
		For Each LF Shade Cloth, Add	*191.99*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,014.28	
		For Each LF Shade Cloth, Add	*230.38*	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*

01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	233.63	
		For Each LF Shade Cloth, Add	*12.93*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	393.34	
		For Each LF Shade Cloth, Add	*32.33*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	441.33	
		For Each LF Shade Cloth, Add	*38.80*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	501.77	
		For Each LF Shade Cloth, Add	*48.50*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	602.26	
		For Each LF Shade Cloth, Add	*64.67*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	668.99	
		For Each LF Shade Cloth, Add	*77.60*	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	249.50	
		For Each LF Shade Cloth, Add	*20.61*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	423.43	
		For Each LF Shade Cloth, Add	*51.53*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	476.04	
		For Each LF Shade Cloth, Add	*61.84*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	550.06	
		For Each LF Shade Cloth, Add	*77.30*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	665.61	
		For Each LF Shade Cloth, Add	*103.07*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	752.43	
		For Each LF Shade Cloth, Add	*123.68*	

01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	278.17	
		For Each LF Shade Cloth, Add	*29.10*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	483.38	
		For Shade Cloth, Add	*72.75*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	541.74	
		For Shade Cloth, Add	*87.30*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	619.13	
		For Shade Cloth, Add	*109.13*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	756.66	
		For Shade Cloth, Add	*145.50*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	873.19	
		For Shade Cloth, Add	*174.61*	

01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	338.11	
		For Each LF Shade Cloth, Add	*38.40*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	581.98	
		For Each LF Shade Cloth, Add	*95.99*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	653.47	
		For Each LF Shade Cloth, Add	*115.19*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	745.79	
		For Each LF Shade Cloth, Add	*143.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	911.67	
		For Each LF Shade Cloth, Add	*191.99*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,047.48	
		For Each LF Shade Cloth, Add	*230.38*	

01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*

01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	242.72	
		For Each LF Shade Cloth, Add	*12.93*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	407.48	
		For Each LF Shade Cloth, Add	*32.33*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	457.50	
		For Each LF Shade Cloth, Add	*38.80*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	519.96	
		For Each LF Shade Cloth, Add	*48.50*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	624.49	
		For Each LF Shade Cloth, Add	*64.67*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	693.24	
		For Each LF Shade Cloth, Add	*77.60*	

01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	259.01	
		For Each LF Shade Cloth, Add	*20.61*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	438.22	
		For Each LF Shade Cloth, Add	*51.53*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	492.94	
		For Each LF Shade Cloth, Add	*61.84*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	569.07	
		For Each LF Shade Cloth, Add	*77.30*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	688.85	
		For Each LF Shade Cloth, Add	*103.07*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	777.78	
		For Each LF Shade Cloth, Add	*123.68*	

01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	288.63	
		For Each LF Shade Cloth, Add	*29.10*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	499.65	
		For Shade Cloth, Add	*72.75*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	560.33	
		For Shade Cloth, Add	*87.30*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	640.04	
		For Shade Cloth, Add	*109.13*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	782.22	
		For Shade Cloth, Add	*145.50*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	901.08	
		For Shade Cloth, Add	*174.61*	

01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	351.19	
		For Each LF Shade Cloth, Add	*38.40*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	602.31	
		For Each LF Shade Cloth, Add	*95.99*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	676.71	
		For Each LF Shade Cloth, Add	*115.19*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	771.93	
		For Each LF Shade Cloth, Add	*143.99*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	943.63	
		For Each LF Shade Cloth, Add	*191.99*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,082.34	
		For Each LF Shade Cloth, Add	*230.38*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	251.82	
		For Each LF Shade Cloth, Add	*12.93*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	421.63	
		For Each LF Shade Cloth, Add	*32.33*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	473.67	
		For Each LF Shade Cloth, Add	*38.80*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	538.14	
		For Each LF Shade Cloth, Add	*48.50*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	646.72	
		For Each LF Shade Cloth, Add	*64.67*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	717.49	
		For Each LF Shade Cloth, Add	*77.60*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	268.52	
		For Each LF Shade Cloth, Add	*20.61*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	453.01	
		For Each LF Shade Cloth, Add	*51.53*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	509.84	
		For Each LF Shade Cloth, Add	*61.84*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	588.09	
		For Each LF Shade Cloth, Add	*77.30*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	712.09	
		For Each LF Shade Cloth, Add	*103.07*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	803.13	
		For Each LF Shade Cloth, Add	*123.68*	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	299.09	
		For Each LF Shade Cloth, Add	*29.10*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	515.92	
		For Shade Cloth, Add	*72.75*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	578.92	
		For Shade Cloth, Add	*87.30*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	660.96	
		For Shade Cloth, Add	*109.13*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	807.79	
		For Shade Cloth, Add	*145.50*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	928.97	
		For Shade Cloth, Add	*174.61*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	364.26	
		For Each LF Shade Cloth, Add	*38.40*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	622.65	
		For Each LF Shade Cloth, Add	*95.99*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	699.95	
		For Each LF Shade Cloth, Add	*115.19*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	798.08	
		For Each LF Shade Cloth, Add	*143.99*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	975.58	
		For Each LF Shade Cloth, Add	*191.99*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,117.20	
		For Each LF Shade Cloth, Add	*230.38*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

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

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	6.01	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.49*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	6.69	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.55*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	9.19	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.88*	
		For Each LF Shade Cloth, Add	*3.60*	

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

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	6.29	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.53*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	6.99	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.70	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.96*	
		For Each LF Shade Cloth, Add	*3.60*	

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

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	6.57	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	7.34	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	10.28	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.05*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	6.92	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	7.69	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	10.89	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.14*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	5.34	

01 56 26 00-0159 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0160	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.54	

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

Note: Includes removal after use.

01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	119.14	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
		For Up To 25, Add	*119.14*	
		For >25 To 50, Add	*89.36*	
		For >50 To 100, Add	*53.61*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	3.04	
		For Up To 25, Add	*3.04*	
		For >25 To 50, Add	*2.28*	
		For >50 To 100, Add	*1.37*	

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Minimum three months rental.

01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	8.64	
		For 3 Post System, Add	*1.30*	
		For Up To 25, Add	*8.64*	
		For >25 To 50, Add	*6.48*	
		For >50 To 100, Add	*3.89*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	9.73	
		For 3 Post System, Add	*1.46*	
		For Up To 25, Add	*9.73*	
		For >25 To 50, Add	*7.30*	
		For >50 To 100, Add	*4.38*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	10.81	
		For 3 Post System, Add	*1.62*	
		For Up To 25, Add	*10.81*	
		For >25 To 50, Add	*8.11*	
		For >50 To 100, Add	*4.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	10.81	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*1.62*	
		For Up To 25, Add	*10.81*	
		For >25 To 50, Add	*8.11*	
		For >50 To 100, Add	*4.86*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	11.88	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*1.78*	
		For Up To 25, Add	*11.88*	
		For >25 To 50, Add	*8.91*	
		For >50 To 100, Add	*5.35*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	14.06	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.11*	
		For Up To 25, Add	*14.06*	
		For >25 To 50, Add	*10.55*	
		For >50 To 100, Add	*6.33*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	12.98	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*1.95*	
		For Up To 25, Add	*12.98*	
		For >25 To 50, Add	*9.74*	
		For >50 To 100, Add	*5.84*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	15.14	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.27*	
		For Up To 25, Add	*15.14*	
		For >25 To 50, Add	*11.36*	
		For >50 To 100, Add	*6.81*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	16.20	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.43*	
		For Up To 25, Add	*16.20*	
		For >25 To 50, Add	*12.15*	
		For >50 To 100, Add	*7.29*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	1.62	
		For Up To 25, Add	*1.62*	
		For >25 To 50, Add	*1.22*	
		For >50 To 100, Add	*0.73*	
01 56 29 00-0016		Removal of Sidewalk Bridge *(01 56 29 00-0001)*		
01 56 29 00-0017	LF	Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	24.80	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
		For Up To 25, Add	*24.80*	
		For >25 To 50, Add	*18.60*	
		For >50 To 100, Add	*11.16*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.52	
		For Up To 25, Add	*1.52*	
		For >25 To 50, Add	*1.14*	
		For >50 To 100, Add	*0.68*	
01 56 29 00-0019		After Hour Emergency Repair Of Sidewalk Bridge *(01 56 29 00-0001)*		
01 56 29 00-0020	EA	Replace Light Fixture, After Hour Emergency Repair Of Sidewalk Bridge	172.62	
		For Each Additional Replacement Of Light Fixture, Add	*86.31*	
01 56 29 00-0021	EA	Replace Ground Tail, After Hour Emergency Repair Of Sidewalk Bridge	115.08	
		For Each Additional Replacement Of Ground Tail, Add	*57.54*	
01 56 29 00-0022	EA	Replace Ground Rod And Tail, After Hour Emergency Repair Of Sidewalk Bridge	143.85	
		For Each Additional Replacement Of Ground Rod And Ground Tail, Add	*71.93*	
01 56 29 00-0023	LF	Replace Rigid Conduit And Wire, After Hour Emergency Repair Of Sidewalk Bridge	23.02	
		For Each Additional Replacement Rigid Conduit And Wire, Add	*11.51*	
01 56 29 00-0024		Safety Nets *(01 56 29)*		
		Note: Includes removal after use.		
01 56 29 00-0025	SF	Small Mesh Debris Netting	1.46	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33		**Temporary Security Barriers** *(01 56)*		
01 56 33 00-0001		Board-up Opening With Plywood *(01 56 33)*		
		Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPN	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	10.35	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	5.65	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	6.55	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33 00-0005		Temporary Pedestrian Barricade *(01 56 33)* Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	8.06	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	19.56	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	58.69	
01 56 39		**Temporary Tree And Plant Protection** *(01 56)*		
01 56 39 00-0001		Temporary Tree Guards *(01 56 39)* Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	139.73	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	162.90	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	176.44	
01 57		Temporary Controls *(01 50)*		
01 57 13		**Temporary Erosion And Sediment Control** *(01 57)* See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23		**Temporary Storm Water Pollution Control** *(01 57)* See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 57 23 00-0001		Temporary Drain Guard *(01 57 23)* Note: Includes removal after use.		
01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	69.48	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	68.30	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	84.97	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	83.77	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	101.65	
01 58		Project Identification *(01 50)* Note: Includes removal after use.		
01 58 13		**Temporary Project Signage** *(01 58)*		
01 58 13 00-0001		Project Sign *(01 58 13)*		
01 58 13 00-0002		MDO Plywood Signs *(01 58 13 00-0001)* Note: Excludes posts.		
01 58 13 00-0003		Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0004		Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*		
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	109.26	18.98
		For High-Intensity Grade, Add	*24.96*	
		For Diamond Grade, Add	*48.13*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	182.30	19.84
		For High-Intensity Grade, Add	*49.92*	
		For Diamond Grade, Add	*96.27*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	255.33	20.71
		For High-Intensity Grade, Add	*74.88*	
		For Diamond Grade, Add	*144.40*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	328.38	21.57
		For High-Intensity Grade, Add	*99.84*	
		For Diamond Grade, Add	*192.54*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	10.29	0.69
		For High-Intensity Grade, Add	*3.12*	
		For Diamond Grade, Add	*6.01*	
01 58 13 00-0010		Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0011		One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	134.70	18.98
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	159.52	19.84
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	198.07	20.71
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	234.50	21.57
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	7.36	0.69
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	137.42	18.98
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	174.21	19.84
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	212.99	20.71
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	247.29	21.57
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	7.76	0.69

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0023		**Fabricate And Install New Posts** *(01 58 13 00-0001)* Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	9.55	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	8.34	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	10.01	
01 58 13 00-0027		**Owner Supplied Signs** *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	69.01	

01 60 Product Requirements *(01)*

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

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

01 66 19 00-0001		**Transfer Delivered Materials Between Floors** *(01 66 19)* Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	13.27	
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	8.63	
01 66 19 00-0004		**Transfer Delivered Materials Distances Greater Than 125'** *(01 66 19)* Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	5.39	
01 66 19 00-0006		**Transfer Demolition Debris Between Floors** *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	13.27	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	8.63	
01 66 19 00-0009		**Transfer Demolition Debris Distances Greater Than 125'** *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	5.39	
01 66 19 00-0011		**Moving Furniture And Furnishings** *(01 66 19)* Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	0.86	

01 70 Execution And Closeout Requirements *(01)*

01 71 Examination And Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001		**Equipment Delivery, Pickup, Mobilization And Demobilization** *(01 71 13)* Note: Excludes flagman for traffic control where necessary.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	224.93	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	692.39	
01 71 13 00-0004		**Crane Delivery, Pickup, Mobilization And Demobilization** *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	359.89	
		For >30 To 60 Miles, Add	*89.97*	
		For >60 To 100 Miles, Add	*143.96*	
01 71 13 00-0006	EA	20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	584.82	
		For >30 To 60 Miles, Add	*146.21*	
		For >60 To 100 Miles, Add	*233.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0007	EA	40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	809.75	
		For >30 To 60 Miles, Add	*202.44*	
		For >60 To 100 Miles, Add	*323.90*	
01 71 13 00-0008	EA	70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,304.60	
		For >30 To 60 Miles, Add	*326.15*	
		For >60 To 100 Miles, Add	*521.84*	
01 71 13 00-0009	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,034.68	
		For >30 To 60 Miles, Add	*258.67*	
		For >60 To 100 Miles, Add	*413.87*	
01 71 13 00-0010	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,664.48	
		For >30 To 60 Miles, Add	*416.12*	
		For >60 To 100 Miles, Add	*665.79*	
01 71 13 00-0011	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,096.36	
		For >30 To 60 Miles, Add	*524.09*	
		For >60 To 100 Miles, Add	*838.54*	
01 71 13 00-0012	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,600.20	
		For >30 To 60 Miles, Add	*650.05*	
		For >60 To 100 Miles, Add	*1,040.08*	
01 71 13 00-0013	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,778.84	
		For >30 To 60 Miles, Add	*944.71*	
		For >60 To 100 Miles, Add	*1,511.54*	
01 71 13 00-0014	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,398.34	
		For >30 To 60 Miles, Add	*1,349.59*	
		For >60 To 100 Miles, Add	*2,159.34*	
01 71 13 00-0015	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,422.71	
		For >30 To 60 Miles, Add	*1,855.68*	
		For >60 To 100 Miles, Add	*2,969.08*	

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

01 71 36 00-0001 Electromagnetic (SIR/GPR) Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	648.06
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	972.09
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,944.18

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	216.02
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	432.04
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	972.09

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

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

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

01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	24.83
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	37.56

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	9.83	
		For Steel Liner, Add	*1.92*	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	11.26	
		For Steel Liner, Add	*2.20*	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	12.69	
		For Steel Liner, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 74 19 00-0009 Construction Dumpsters Rental *(01 74 19)*

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

01 74 19 00-0010	EA	4 CY Dumpster (1 Ton Capacity), "Construction Debris"	265.98	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	
01 74 19 00-0011	EA	6 CY Dumpster (1 Ton) "Construction Debris"	286.84	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	
01 74 19 00-0012	EA	10 CY Dumpster (1 Ton) "Construction Debris"	338.99	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	
01 74 19 00-0013	EA	15 CY Dumpster (1.5 Ton) "Construction Debris"	368.99	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	
01 74 19 00-0014	EA	20 CY Dumpster (2 Ton) "Construction Debris"	419.00	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	
01 74 19 00-0015	EA	30 CY Dumpster (3 Ton) "Construction Debris"	477.99	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	
01 74 19 00-0016	EA	40 CY Dumpster (4 Ton) "Construction Debris"	598.99	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	*88.01*	

01 74 19 00-0017 Concrete Washout Service *(01 74 19)*

01 74 19 00-0018	MO	Rampless Concrete Washout Bin	360.59	
		Note: Includes delivery.		
01 74 19 00-0019	MO	Ramped Concrete Washout Bin	432.70	
		Note: Includes delivery.		
01 74 19 00-0020	EA	Interim Vacuum Service, Concrete Washout Bin	356.58	
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0021	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	772.59	
		Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		

01 74 19 00-0022 Debris Processing Fee *(01 74 19)*

01 74 19 00-0023 Material Recycling Fees *(01 74 19 00-0022)*

Note: Not to be used with Dumpster Tasks which include the Landfill Dump Fee. Excludes hauling.

01 74 19 00-0024	CY	Drop-Off Asphalt At Recycling Center	30.00
01 74 19 00-0025	CY	Drop-Off Non Reinforced Concrete At Recycling Center	28.00
01 74 19 00-0026	CY	Drop-Off Reinforced Concrete At Recycling Center	28.00
01 74 19 00-0027	CY	Drop-Off Brick/Block At Recycling Center	29.75
01 74 19 00-0028	CY	Drop-Off Dirt At Recycling Center	25.00
01 74 19 00-0029	CY	Drop-Off Dimensional Lumber At Re-Cycling Center	15.00

01 74 19 00-0030 Landfill Dump Fees *(01 74 19 00-0022)*

Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.

01 74 19 00-0031	CY	Trees, Stumps And Brush, Landfill Dump Fee	41.04
01 74 19 00-0032	CY	Mixed Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	40.06
01 74 19 00-0033	TON	Traditional Building Construction Materials, Landfill Dump Fee	88.00

01 74 19 00-0034 Hauling *(01 74 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.

01 74 19 00-0035	CYM	Hauling On Paved Roads, First 15 Miles	0.83
01 74 19 00-0036	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.55

END OF SECTION 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment (02)

02 25 Existing Material Assessment (02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment (02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling (02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation (02)

02 32 Geotechnical Investigations (02 30)

02 32 13 Subsurface Drilling And Sampling (02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew (02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew 888.65

02 32 13 00-0003 Auger Borings (02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 26.76

02 32 13 00-0005 Cased Borings In Earth, With Samples (02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 62.54
02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 106.90

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") (02 32 13)

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 66.98
Note: Includes sampling.
02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 6.03

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") (02 32 13)

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 86.39
Note: Includes sampling.
02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 6.94

02 32 13 00-0014 Test Pits For Boring Activities (02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits (02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 50.47
02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 58.87
02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 78.51

02 32 13 00-0019 Hand-Dug Test Pits (02 32 13 00-0014)

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 153.33
02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 275.98

02 32 13 00-0022 Shelby Tube Sampling (02 32 13)

02 32 13 00-0023 EA Shelby Tube Sampling 31.15
02 32 13 00-0024 EA Penetration Test 25.38

02 32 13 00-0025 Grouting (02 32 13)

02 32 13 00-0026 VLF Boreholes 5.90

02 32 19 Exploratory Excavations (02 32)

02 32 19 00-0001 Hydro Excavation (02 32 19)

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization 100.99
02 32 19 00-0003 EA Hydro Excavation, Minimum Charge 403.97
Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.
02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) 33.66
Note: Normal soil conditions consist of silt, sand and gravel.
02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) 53.86
Note: Adverse soil conditions consist of clay, glacial till and rocks.

02 40 Demolition And Structure Moving (02)

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	5.17	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,500, Deduct	*-0.93*	
		For >2,500 To 5,000, Deduct	*-1.34*	
		For >5,000 To 10,000, Deduct	*-1.76*	
		For >10,000, Deduct	*-2.17*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	7.76	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,500, Deduct	*-1.40*	
		For >2,500 To 5,000, Deduct	*-2.02*	
		For >5,000 To 10,000, Deduct	*-2.64*	
		For >10,000, Deduct	*-3.26*	
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	10.35	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,500, Deduct	*-1.86*	
		For >2,500 To 5,000, Deduct	*-2.69*	
		For >5,000 To 10,000, Deduct	*-3.52*	
		For >10,000, Deduct	*-4.35*	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	9.07	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,500, Deduct	*-1.63*	
		For >2,500 To 5,000, Deduct	*-2.36*	
		For >5,000 To 10,000, Deduct	*-3.08*	
		For >10,000, Deduct	*-3.81*	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	12.81	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000 To 2,500, Deduct	*-2.31*	
		For >2,500 To 5,000, Deduct	*-3.33*	
		For >5,000 To 10,000, Deduct	*-4.36*	
		For >10,000, Deduct	*-5.38*	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	18.13	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000 To 2,500, Deduct	*-3.26*	
		For >2,500 To 5,000, Deduct	*-4.71*	
		For >5,000 To 10,000, Deduct	*-6.16*	
		For >10,000, Deduct	*-7.61*	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	25.61	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,500, Deduct	*-4.61*	
		For >2,500 To 5,000, Deduct	*-6.66*	
		For >5,000 To 10,000, Deduct	*-8.71*	
		For >10,000, Deduct	*-10.76*	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	33.49	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000 To 2,500, Deduct	*-6.03*	
		For >2,500 To 5,000, Deduct	*-8.71*	
		For >5,000 To 10,000, Deduct	*-11.39*	
		For >10,000, Deduct	*-14.07*	
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	43.53	
		For >500 To 1,000, Deduct	*-4.35*	
		For >1,000 To 2,500, Deduct	*-7.84*	
		For >2,500 To 5,000, Deduct	*-11.32*	
		For >5,000 To 10,000, Deduct	*-14.80*	
		For >10,000, Deduct	*-18.28*	

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.31	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.67	
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.20	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.65	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.09	
02 41 13 13-0017	SF	>6" To 8" By Hand, Break-up And Leave In Place Concrete Paving	2.75	

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

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	10.13	
		For Elevated Slab, Add	*5.07*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 2,500, Deduct	*-1.82*	
		For >2,500 To 5,000, Deduct	*-2.63*	
		For >5,000 To 10,000, Deduct	*-3.44*	
		For >10,000, Deduct	*-4.25*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	13.82	
		For Elevated Slab, Add	*6.91*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,500, Deduct	*-2.49*	
		For >2,500 To 5,000, Deduct	*-3.59*	
		For >5,000 To 10,000, Deduct	*-4.70*	
		For >10,000, Deduct	*-5.80*	
02 41 13 13-0021	SY	Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving	11.64	
		For Elevated Slab, Add	*5.82*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 2,500, Deduct	*-2.10*	
		For >2,500 To 5,000, Deduct	*-3.03*	
		For >5,000 To 10,000, Deduct	*-3.96*	
		For >10,000, Deduct	*-4.89*	
02 41 13 13-0022	SY	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving	15.24	
		For Elevated Slab, Add	*7.62*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000 To 2,500, Deduct	*-2.74*	
		For >2,500 To 5,000, Deduct	*-3.96*	
		For >5,000 To 10,000, Deduct	*-5.18*	
		For >10,000, Deduct	*-6.40*	
02 41 13 13-0023	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	15.45	
		For Elevated Slab, Add	*7.73*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 2,500, Deduct	*-2.78*	
		For >2,500 To 5,000, Deduct	*-4.02*	
		For >5,000 To 10,000, Deduct	*-5.25*	
		For >10,000, Deduct	*-6.49*	
02 41 13 13-0024	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	20.02	
		For Elevated Slab, Add	*10.01*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000 To 2,500, Deduct	*-3.60*	
		For >2,500 To 5,000, Deduct	*-5.21*	
		For >5,000 To 10,000, Deduct	*-6.81*	
		For >10,000, Deduct	*-8.41*	
02 41 13 13-0025	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	33.19	
		For Elevated Slab, Add	*16.60*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000 To 2,500, Deduct	*-5.97*	
		For >2,500 To 5,000, Deduct	*-8.63*	
		For >5,000 To 10,000, Deduct	*-11.28*	
		For >10,000, Deduct	*-13.94*	
02 41 13 13-0026	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	16.76	
		For Elevated Slab, Add	*8.38*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000 To 2,500, Deduct	*-3.02*	
		For >2,500 To 5,000, Deduct	*-4.36*	
		For >5,000 To 10,000, Deduct	*-5.70*	
		For >10,000, Deduct	*-7.04*	
02 41 13 13-0027	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	21.55	
		For Elevated Slab, Add	*10.78*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000 To 2,500, Deduct	*-3.88*	
		For >2,500 To 5,000, Deduct	*-5.60*	
		For >5,000 To 10,000, Deduct	*-7.33*	
		For >10,000, Deduct	*-9.05*	
02 41 13 13-0028	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	38.52	
		For Elevated Slab, Add	*19.26*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000 To 2,500, Deduct	*-6.93*	
		For >2,500 To 5,000, Deduct	*-10.02*	
		For >5,000 To 10,000, Deduct	*-13.10*	
		For >10,000, Deduct	*-16.18*	
02 41 13 13-0029	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	50.28	
		For Elevated Slab, Add	*25.14*	
		For >500 To 1,000, Deduct	*-5.03*	
		For >1,000 To 2,500, Deduct	*-9.05*	
		For >2,500 To 5,000, Deduct	*-13.07*	
		For >5,000 To 10,000, Deduct	*-17.10*	
		For >10,000, Deduct	*-21.12*	
02 41 13 13-0030	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	65.74	
		For Elevated Slab, Add	*32.87*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000 To 2,500, Deduct	*-11.83*	
		For >2,500 To 5,000, Deduct	*-17.09*	
		For >5,000 To 10,000, Deduct	*-22.35*	
		For >10,000, Deduct	*-27.61*	
02 41 13 13-0031	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	79.78	
		For Elevated Slab, Add	*39.89*	
		For >500 To 1,000, Deduct	*-7.98*	
		For >1,000 To 2,500, Deduct	*-14.36*	
		For >2,500 To 5,000, Deduct	*-20.74*	
		For >5,000 To 10,000, Deduct	*-27.13*	
		For >10,000, Deduct	*-33.51*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0032			By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
			Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0033		SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving		2.93
02 41 13 13-0034		SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving		3.85
02 41 13 13-0035		SF	>6" To 8" By Hand, Break-up And Remove Bituminous Paving		5.01
02 41 13 13-0036		SF	Up To 3" By Hand, Break-up And Remove Concrete Paving		3.67
02 41 13 13-0037		SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving		5.05
02 41 13 13-0038		SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving		6.47
02 41 13 13-0039			Grind Concrete *(02 41 13 13)*		
02 41 13 13-0040		EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard)		150.94
			Note: For each location up to 5' wide, feather up to 12" each direction.		
			For >1/2" To 1" Depth Of Grinding, Add		*22.64*
			For >1" To 1-1/2" Depth Of Grinding, Add		*37.74*
			For Up To 5, Add		*30.19*
			For >5 To 10, Add		*15.09*
			For >25 To 50, Deduct		*-15.09*
			For >50 To 250, Deduct		*-22.64*
			For >250, Deduct		*-30.19*
			For Sidewalks >5', Add		*15.09*
			For Up To 12" Additional Feathering Per Side, Add		*15.09*
02 41 13 15			**Hydro Demolition** *(02 41 13)*		
02 41 13 15-0001			Hydro Demolition Of Concrete Pavement *(02 41 13 15)*		
			Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002		SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		5.20
02 41 13 15-0003		SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		6.50
02 41 13 15-0004		SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		8.66
02 41 13 15-0005		SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		17.33
02 41 16			**Structure Demolition** *(02 41)*		
02 41 16 13			**Building Demolition** *(02 41 16)*		
02 41 16 13-0001			Building Interior Demolition *(02 41 16 13)*		
			Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002		GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		5.92
02 41 16 13-0003		GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		8.95
02 41 16 13-0004		GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		7.33
02 41 16 13-0005		GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		6.51
02 41 16 13-0006			Commercial And Residential Structures Demolition *(02 41 16 13)*		
			Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
02 41 16 13-0007			Steel Framed Building Demolition *(02 41 16 13-0006)*		
			Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008		CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		53.61
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.02*
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.04*
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-12.06*
			For Up To 500, Add		*16.08*
			For >500 To 1,000, Add		*10.72*
			For >1,000 To 2,000, Add		*5.36*
			For Volume Of Area Within 15' To An Adjacent Building, Add		*17.69*
			For No Interior Partitions, Deduct		*-13.40*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		33.01
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.48*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-4.95*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-7.43*	
		For Up To 500, Add	*9.90*	
		For >500 To 1,000, Add	*6.60*	
		For >1,000 To 2,000, Add	*3.30*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*4.95*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*8.25*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*11.55*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*10.89*	
		For No Interior Partitions, Deduct	*-8.25*	

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		67.27
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-5.05*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-10.09*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-15.14*	
		For Up To 500, Add	*20.18*	
		For >500 To 1,000, Add	*13.45*	
		For >1,000 To 2,000, Add	*6.73*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*22.20*	
		For No Interior Partitions, Deduct	*-16.82*	
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		43.59
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.27*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-6.54*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-9.81*	
		For Up To 500, Add	*13.08*	
		For >500 To 1,000, Add	*8.72*	
		For >1,000 To 2,000, Add	*4.36*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*6.54*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*10.90*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*15.26*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*14.38*	
		For No Interior Partitions, Deduct	*-10.90*	

02 41 16 13-0013 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		47.27
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.55*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-7.09*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-10.64*	
		For Up To 500, Add	*14.18*	
		For >500 To 1,000, Add	*9.45*	
		For >1,000 To 2,000, Add	*4.73*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*15.60*	
		For No Interior Partitions, Deduct	*-11.82*	
02 41 16 13-0015	CCF	By Machine, Masonry Construction Building Demolition		29.62
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.22*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-4.44*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-6.66*	
		For Up To 500, Add	*8.89*	
		For >500 To 1,000, Add	*5.92*	
		For >1,000 To 2,000, Add	*2.96*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*4.44*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*7.41*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*10.37*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*9.77*	
		For No Interior Partitions, Deduct	*-7.41*	

02 41 16 13-0016 Wood Frame Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		41.09
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.08*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-6.16*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-9.25*	
		For Up To 500, Add	*12.33*	
		For >500 To 1,000, Add	*8.22*	
		For >1,000 To 2,000, Add	*4.11*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*13.56*	
		For No Interior Partitions, Deduct	*-10.27*	
02 41 16 13-0018	CCF	By Machine, Wood Frame Construction Building Demolition		25.35
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-1.90*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-3.80*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-5.70*	
		For Up To 500, Add	*7.61*	
		For >500 To 1,000, Add	*5.07*	
		For >1,000 To 2,000, Add	*2.54*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*3.80*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*8.37*	
		For No Interior Partitions, Deduct	*-6.34*	

02 41 16 13-0019 On-Site Sorting Of Material Debris For Recycling *(02 41 16 13-0006)*

Note: Per building volume.

02 41 16 13-0020	CCF	On-Site Sorting Of Material Debris For Recycling		7.58
		For Up To 500, Add	*2.27*	
		For >500 To 1,000, Add	*1.52*	
		For >1,000 To 2,000, Add	*0.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0021		**Foundation Demolition** *(02 41 16 13)* Note: Excludes earthwork.		
02 41 16 13-0022		**Concrete Foundation Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0023	CF	Non Reinforced Concrete Foundation Demolition		11.15
02 41 16 13-0024	SF	4" Thick Non Reinforced Concrete Foundation Wall Demolition		4.78
02 41 16 13-0025	SF	6" Thick Non Reinforced Concrete Foundation Wall Demolition		6.37
02 41 16 13-0026	SF	8" Thick Non Reinforced Concrete Foundation Wall Demolition		7.97
02 41 16 13-0027	SF	10" Thick Non Reinforced Concrete Foundation Wall Demolition		9.56
02 41 16 13-0028	SF	12" Thick Non Reinforced Concrete Foundation Wall Demolition		11.15
02 41 16 13-0029	SF	16" Thick Non Reinforced Concrete Foundation Wall Demolition		12.75
02 41 16 13-0030	CF	Reinforced Concrete Foundation Demolition		13.39
02 41 16 13-0031	SF	4" Thick Reinforced Concrete Foundation Wall Demolition		5.74
02 41 16 13-0032	SF	6" Thick Reinforced Concrete Foundation Wall Demolition		7.65
02 41 16 13-0033	SF	8" Thick Reinforced Concrete Foundation Wall Demolition		9.56
02 41 16 13-0034	SF	10" Thick Reinforced Concrete Foundation Wall Demolition		11.31
02 41 16 13-0035	SF	12" Thick Reinforced Concrete Foundation Wall Demolition		13.39
02 41 16 13-0036	SF	16" Thick Reinforced Concrete Foundation Wall Demolition		15.30
02 41 16 13-0037		**Concrete Block Foundation Wall Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0038	SF	4" Thick Non Reinforced Concrete Block Foundation Wall Demolition		3.51
02 41 16 13-0039	SF	6" Thick Non Reinforced Concrete Block Foundation Wall Demolition		3.75
02 41 16 13-0040	SF	8" Thick Non Reinforced Concrete Block Foundation Wall Demolition		4.22
02 41 16 13-0041	SF	10" Thick Non Reinforced Concrete Block Foundation Wall Demolition		4.86
02 41 16 13-0042	SF	12" Thick Non Reinforced Concrete Block Foundation Wall Demolition		5.42
02 41 16 13-0043	SF	16" Thick Non Reinforced Concrete Block Foundation Wall Demolition		6.77
02 41 16 13-0044	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition		4.21
02 41 16 13-0045	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition		4.49
02 41 16 13-0046	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition		5.07
02 41 16 13-0047	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition		5.84
02 41 16 13-0048	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition		6.50
02 41 16 13-0049	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition		8.12
02 41 16 13-0050		**Brick Foundation Wall Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0051	SF	4" Thick Brick Foundation Wall Demolition		3.51
02 41 16 13-0052	SF	6" Thick Brick Foundation Wall Demolition		3.75
02 41 16 13-0053	SF	8" Thick Brick Foundation Wall Demolition		4.22
02 41 16 13-0054	SF	10" Thick Brick Foundation Wall Demolition		4.86
02 41 16 13-0055	SF	12" Thick Brick Foundation Wall Demolition		5.42
02 41 16 13-0056	SF	16" Thick Brick Foundation Wall Demolition		6.77
02 41 16 13-0057		**Stone Foundation Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0058	CF	Stone Footing Or Foundation Wall Demolition		11.15
02 41 16 13-0059		**Other Foundation Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0060	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition Note: Includes excavation.		11.41
02 41 19		**Selective Demolition** *(02 41)*		
02 41 19 13		**Selective Building Demolition** *(02 41 19)*		
02 41 19 13-0001		**Saw Cutting** *(02 41 19 13)* Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	LF	Bituminous Paving Up To 4" Depth, Saw Cut		1.70
		For Each Additional Pass (Depth To 3"), Add		*0.65*
		For >250, Deduct		*-0.16*
02 41 19 13-0003	LF	Brick Masonry Up To 4" Depth, Saw Cut		6.18
		For Each Additional Pass (Depth To 3"), Add		*2.43*
		For >250, Deduct		*-0.60*
02 41 19 13-0004	LF	Concrete Block Up To 4" Depth, Saw Cut		5.60
		For Each Additional Pass (Depth To 3"), Add		*2.20*
		For >250, Deduct		*-0.55*
02 41 19 13-0005	LF	Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut		1.97
		For Each Additional Pass (Depth To 3"), Add		*0.74*
		For >250, Deduct		*-0.18*
02 41 19 13-0006	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut		2.58
		For Each Additional Pass (Depth To 3"), Add		*0.98*
		For >250, Deduct		*-0.24*
02 41 19 13-0007	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut		4.20
		For Each Additional Pass (Depth To 3"), Add		*1.62*
		For >250, Deduct		*-0.40*
02 41 19 13-0008	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut		7.89
		For Each Additional Pass (Depth To 3"), Add		*3.11*
		For >250, Deduct		*-0.77*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	10.60	
		For Each Additional Pass (Depth To 3"), Add	*4.18*	
		For >250, Deduct	*-1.04*	
02 41 19 13-0010	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	2.03	
		For Each Additional Pass (Depth To 3"), Add	*0.74*	
		For >250, Deduct	*-0.18*	
02 41 19 13-0011	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	5.63	
		For Each Additional Pass (Depth To 3"), Add	*2.21*	
		For >250, Deduct	*-0.55*	
02 41 19 13-0012	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	5.63	
		For Each Additional Pass (Depth To 3"), Add	*2.21*	
		For >250, Deduct	*-0.55*	
02 41 19 13-0013	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	5.63	
		For Each Additional Pass (Depth To 3"), Add	*2.21*	
		For >250, Deduct	*-0.55*	
02 41 19 13-0014	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	5.63	
		For Each Additional Pass (Depth To 3"), Add	*2.21*	
		For >250, Deduct	*-0.55*	
02 41 19 13-0015	EA	Saw Cut Minimum Charge	721.94	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

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

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	2.16	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	4.32	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	6.48	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	8.64	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	10.80	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	12.97	
02 41 19 13-0023	EA	Torch Cutting Minimum Charge	674.68	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

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

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

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

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

02 41 19 13-0027	EA	Drill 2" Diameter Core In Up To 4" Concrete	38.97	
		For Horizontal Cores, Add	*7.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.51*	
02 41 19 13-0028	EA	Drill 3" Diameter Core In Up To 4" Concrete	55.44	
		For Horizontal Cores, Add	*10.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.73*	
02 41 19 13-0029	EA	Drill 4" Diameter Core In Up To 4" Concrete	74.32	
		For Horizontal Cores, Add	*13.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.77*	
02 41 19 13-0030	EA	Drill 6" Diameter Core In Up To 4" Concrete	83.88	
		For Horizontal Cores, Add	*15.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.09*	
02 41 19 13-0031	EA	Drill 8" Diameter Core In Up To 4" Concrete	132.81	
		For Horizontal Cores, Add	*24.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.75*	
02 41 19 13-0032	EA	Drill 10" Diameter Core In Up To 4" Concrete	166.97	
		For Horizontal Cores, Add	*31.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.18*	
02 41 19 13-0033	EA	Drill 12" Diameter Core In Up To 4" Concrete	195.16	
		For Horizontal Cores, Add	*36.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.55*	
02 41 19 13-0034	EA	Drill 14" Diameter Core In Up To 4" Concrete	223.68	
		For Horizontal Cores, Add	*41.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.90*	
02 41 19 13-0035	EA	Drill 18" Diameter Core In Up To 4" Concrete	254.25	
		For Horizontal Cores, Add	*46.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.26*	

02 41 19 13-0036 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0037	EA	Drill 2" Diameter Core In >4" To 6" Concrete	55.95	
		For Horizontal Cores, Add	*10.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.72*	
02 41 19 13-0038	EA	Drill 3" Diameter Core In >4" To 6" Concrete	67.86	
		For Horizontal Cores, Add	*12.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.87*	
02 41 19 13-0039	EA	Drill 4" Diameter Core In >4" To 6" Concrete	85.23	
		For Horizontal Cores, Add	*15.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.09*	
02 41 19 13-0040	EA	Drill 6" Diameter Core In >4" To 6" Concrete	112.98	
		For Horizontal Cores, Add	*20.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.45*	
02 41 19 13-0041	EA	Drill 8" Diameter Core In >4" To 6" Concrete	168.23	
		For Horizontal Cores, Add	*31.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.18*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0042	EA	Drill 10" Diameter Core In >4" To 6" Concrete	198.58	
		For Horizontal Cores, Add	*36.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.55*	
02 41 19 13-0043	EA	Drill 12" Diameter Core In >4" To 6" Concrete	227.89	
		For Horizontal Cores, Add	*41.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.90*	
02 41 19 13-0044	EA	Drill 14" Diameter Core In >4" To 6" Concrete	258.24	
		For Horizontal Cores, Add	*46.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.26*	
02 41 19 13-0045	EA	Drill 18" Diameter Core In >4" To 6" Concrete	291.57	
		For Horizontal Cores, Add	*51.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.63*	

02 41 19 13-0046 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0047	EA	Drill 2" Diameter Core In >6" To 8" Concrete	62.62	
		For Horizontal Cores, Add	*11.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.80*	
02 41 19 13-0048	EA	Drill 3" Diameter Core In >6" To 8" Concrete	75.09	
		For Horizontal Cores, Add	*13.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.94*	
02 41 19 13-0049	EA	Drill 4" Diameter Core In >6" To 8" Concrete	98.21	
		For Horizontal Cores, Add	*17.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.23*	
02 41 19 13-0050	EA	Drill 6" Diameter Core In >6" To 8" Concrete	136.91	
		For Horizontal Cores, Add	*24.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.75*	
02 41 19 13-0051	EA	Drill 8" Diameter Core In >6" To 8" Concrete	224.36	
		For Horizontal Cores, Add	*41.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.90*	
02 41 19 13-0052	EA	Drill 10" Diameter Core In >6" To 8" Concrete	256.07	
		For Horizontal Cores, Add	*46.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.26*	
02 41 19 13-0053	EA	Drill 12" Diameter Core In >6" To 8" Concrete	286.55	
		For Horizontal Cores, Add	*51.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.63*	
02 41 19 13-0054	EA	Drill 14" Diameter Core In >6" To 8" Concrete	318.68	
		For Horizontal Cores, Add	*56.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.98*	
02 41 19 13-0055	EA	Drill 18" Diameter Core In >6" To 8" Concrete	354.79	
		For Horizontal Cores, Add	*62.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.36*	

02 41 19 13-0056 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0057	EA	Drill 2" Diameter Core In >8" To 10" Concrete	74.46	
		For Horizontal Cores, Add	*13.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.94*	
02 41 19 13-0058	EA	Drill 3" Diameter Core In >8" To 10" Concrete	87.50	
		For Horizontal Cores, Add	*15.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.09*	
02 41 19 13-0059	EA	Drill 4" Diameter Core In >8" To 10" Concrete	100.84	
		For Horizontal Cores, Add	*17.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.23*	
02 41 19 13-0060	EA	Drill 6" Diameter Core In >8" To 10" Concrete	140.10	
		For Horizontal Cores, Add	*24.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.75*	
02 41 19 13-0061	EA	Drill 8" Diameter Core In >8" To 10" Concrete	228.69	
		For Horizontal Cores, Add	*41.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.90*	
02 41 19 13-0062	EA	Drill 10" Diameter Core In >8" To 10" Concrete	261.77	
		For Horizontal Cores, Add	*46.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.26*	
02 41 19 13-0063	EA	Drill 12" Diameter Core In >8" To 10" Concrete	293.34	
		For Horizontal Cores, Add	*51.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.61*	
02 41 19 13-0064	EA	Drill 14" Diameter Core In >8" To 10" Concrete	327.35	
		For Horizontal Cores, Add	*56.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.98*	
02 41 19 13-0065	EA	Drill 18" Diameter Core In >8" To 10" Concrete	366.12	
		For Horizontal Cores, Add	*62.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.33*	

02 41 19 13-0066 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0067	EA	Drill 2" Diameter Core In >10" To 12" Concrete	81.12	
		For Horizontal Cores, Add	*14.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.02*	
02 41 19 13-0068	EA	Drill 3" Diameter Core In >10" To 12" Concrete	89.55	
		For Horizontal Cores, Add	*15.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.09*	
02 41 19 13-0069	EA	Drill 4" Diameter Core In >10" To 12" Concrete	119.01	
		For Horizontal Cores, Add	*20.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.45*	
02 41 19 13-0070	EA	Drill 6" Diameter Core In >10" To 12" Concrete	153.66	
		For Horizontal Cores, Add	*26.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0071	EA	Drill 8" Diameter Core In >10" To 12" Concrete	243.39	
		For Horizontal Cores, Add	*43.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*87.05*	
02 41 19 13-0072	EA	Drill 10" Diameter Core In >10" To 12" Concrete	267.47	
		For Horizontal Cores, Add	*46.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.26*	
02 41 19 13-0073	EA	Drill 12" Diameter Core In >10" To 12" Concrete	310.63	
		For Horizontal Cores, Add	*53.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*107.79*	

02 41 19 13-0074 >12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0075	IN	Drill 2" Diameter Core In >12" Concrete	9.59	
		For Horizontal Cores, Add	*1.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.55*	
02 41 19 13-0076	IN	Drill 3" Diameter Core In >12" Concrete	10.70	
		For Horizontal Cores, Add	*1.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.88*	
02 41 19 13-0077	IN	Drill 4" Diameter Core In >12" Concrete	14.22	
		For Horizontal Cores, Add	*2.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.18*	
02 41 19 13-0078	IN	Drill 6" Diameter Core In >12" Concrete	18.43	
		For Horizontal Cores, Add	*3.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.74*	
02 41 19 13-0079	IN	Drill 8" Diameter Core In >12" Concrete	29.38	
		For Horizontal Cores, Add	*5.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.89*	
02 41 19 13-0080	IN	Drill 10" Diameter Core In >12" Concrete	32.13	
		For Horizontal Cores, Add	*5.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.71*	
02 41 19 13-0081	IN	Drill 12" Diameter Core In >12" Concrete	37.13	
		For Horizontal Cores, Add	*6.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.48*	

02 41 19 13-0082 Brick/Concrete Block Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0083 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0084	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	31.71	
		For Horizontal Cores, Add	*5.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.60*	
02 41 19 13-0085	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	45.07	
		For Horizontal Cores, Add	*8.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.58*	
02 41 19 13-0086	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	60.44	
		For Horizontal Cores, Add	*11.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.22*	
02 41 19 13-0087	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	68.34	
		For Horizontal Cores, Add	*12.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.87*	
02 41 19 13-0088	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	107.94	
		For Horizontal Cores, Add	*19.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.80*	
02 41 19 13-0089	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	135.88	
		For Horizontal Cores, Add	*24.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.75*	
02 41 19 13-0090	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	158.89	
		For Horizontal Cores, Add	*29.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.04*	
02 41 19 13-0091	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	182.23	
		For Horizontal Cores, Add	*33.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.32*	
02 41 19 13-0092	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	207.61	
		For Horizontal Cores, Add	*37.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.61*	

02 41 19 13-0093 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0094	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	45.59	
		For Horizontal Cores, Add	*8.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.58*	
02 41 19 13-0095	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	55.42	
		For Horizontal Cores, Add	*9.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.90*	
02 41 19 13-0096	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	69.69	
		For Horizontal Cores, Add	*12.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.87*	
02 41 19 13-0097	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	92.26	
		For Horizontal Cores, Add	*16.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.16*	
02 41 19 13-0098	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	137.14	
		For Horizontal Cores, Add	*24.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.75*	
02 41 19 13-0099	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	162.31	
		For Horizontal Cores, Add	*29.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.04*	
02 41 19 13-0100	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	186.44	
		For Horizontal Cores, Add	*33.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0101	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	211.60	
		For Horizontal Cores, Add	*37.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.61*	
02 41 19 13-0102	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	239.76	
		For Horizontal Cores, Add	*41.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.91*	

02 41 19 13-0103 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0104	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	51.22	
		For Horizontal Cores, Add	*9.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.24*	
02 41 19 13-0105	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	61.62	
		For Horizontal Cores, Add	*10.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.56*	
02 41 19 13-0106	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	80.59	
		For Horizontal Cores, Add	*14.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.18*	
02 41 19 13-0107	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	112.04	
		For Horizontal Cores, Add	*19.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.80*	
02 41 19 13-0108	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	182.91	
		For Horizontal Cores, Add	*33.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.32*	
02 41 19 13-0109	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	209.43	
		For Horizontal Cores, Add	*37.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.61*	
02 41 19 13-0110	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	234.74	
		For Horizontal Cores, Add	*41.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.91*	
02 41 19 13-0111	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	261.69	
		For Horizontal Cores, Add	*45.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*91.18*	
02 41 19 13-0112	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	292.62	
		For Horizontal Cores, Add	*49.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*99.49*	

02 41 19 13-0113 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0114	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	60.99	
		For Horizontal Cores, Add	*10.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.56*	
02 41 19 13-0115	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	71.96	
		For Horizontal Cores, Add	*12.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.87*	
02 41 19 13-0116	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	83.22	
		For Horizontal Cores, Add	*14.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.18*	
02 41 19 13-0117	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	115.23	
		For Horizontal Cores, Add	*19.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.80*	
02 41 19 13-0118	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	187.24	
		For Horizontal Cores, Add	*33.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.32*	
02 41 19 13-0119	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	215.13	
		For Horizontal Cores, Add	*37.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.61*	
02 41 19 13-0120	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	241.53	
		For Horizontal Cores, Add	*41.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.89*	
02 41 19 13-0121	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	270.36	
		For Horizontal Cores, Add	*45.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*91.18*	
02 41 19 13-0122	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	303.96	
		For Horizontal Cores, Add	*49.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*99.47*	

02 41 19 13-0123 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0124	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	66.62	
		For Horizontal Cores, Add	*11.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.22*	
02 41 19 13-0125	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	74.01	
		For Horizontal Cores, Add	*12.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.87*	
02 41 19 13-0126	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	98.29	
		For Horizontal Cores, Add	*16.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.16*	
02 41 19 13-0127	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	126.71	
		For Horizontal Cores, Add	*21.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.12*	
02 41 19 13-0128	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	199.87	
		For Horizontal Cores, Add	*34.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*69.64*	
02 41 19 13-0129	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	220.83	
		For Horizontal Cores, Add	*37.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.61*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0130	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	256.72	
		For Horizontal Cores, Add	*43.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*86.23*	

02 41 19 13-0131 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0132	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	7.81	
		For Horizontal Cores, Add	*1.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.84*	
02 41 19 13-0133	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	8.75	
		For Horizontal Cores, Add	*1.55*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.10*	
02 41 19 13-0134	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	11.64	
		For Horizontal Cores, Add	*2.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.14*	
02 41 19 13-0135	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	15.06	
		For Horizontal Cores, Add	*2.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.39*	
02 41 19 13-0136	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	23.93	
		For Horizontal Cores, Add	*4.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.71*	
02 41 19 13-0137	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	26.27	
		For Horizontal Cores, Add	*4.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.36*	
02 41 19 13-0138	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	30.39	
		For Horizontal Cores, Add	*5.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.78*	

02 41 19 13-0139 Asphalt Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0140 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0141	EA	Drill 1" Diameter Core In Up To 2" Asphalt	14.70
02 41 19 13-0142	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	18.42
02 41 19 13-0143	EA	Drill 2" Diameter Core In Up To 2" Asphalt	23.03
02 41 19 13-0144	EA	Drill 3" Diameter Core In Up To 2" Asphalt	28.64
02 41 19 13-0145	EA	Drill 4" Diameter Core In Up To 2" Asphalt	36.07
02 41 19 13-0146	EA	Drill 6" Diameter Core In Up To 2" Asphalt	45.34
02 41 19 13-0147	EA	Drill 8" Diameter Core In Up To 2" Asphalt	56.67
02 41 19 13-0148	EA	Drill 10" Diameter Core In Up To 2" Asphalt	70.36
02 41 19 13-0149	EA	Drill 12" Diameter Core In Up To 2" Asphalt	87.80

02 41 19 13-0150 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0151	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	18.37
02 41 19 13-0152	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	23.86
02 41 19 13-0153	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	29.36
02 41 19 13-0154	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	36.79
02 41 19 13-0155	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	46.06
02 41 19 13-0156	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	58.04
02 41 19 13-0157	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	72.14
02 41 19 13-0158	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	90.35
02 41 19 13-0159	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	112.33

02 41 19 13-0160 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0161	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	23.92
02 41 19 13-0162	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	30.41
02 41 19 13-0163	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	37.74
02 41 19 13-0164	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	47.06
02 41 19 13-0165	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	59.21
02 41 19 13-0166	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	74.04
02 41 19 13-0167	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	92.92
02 41 19 13-0168	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	115.75
02 41 19 13-0169	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	144.21

02 41 19 13-0170 >4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0171	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	31.45
02 41 19 13-0172	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	38.96
02 41 19 13-0173	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	48.17
02 41 19 13-0174	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	61.39
02 41 19 13-0175	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	76.48
02 41 19 13-0176	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	95.13
02 41 19 13-0177	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	119.91
02 41 19 13-0178	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	149.25
02 41 19 13-0179	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	186.23

02 41 19 13-0180 Manhole Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0181	EA	Drill 4" Diameter Core In Brick Manhole	160.53
02 41 19 13-0182	EA	Drill 5" Diameter Core In Brick Manhole	183.37
02 41 19 13-0183	EA	Drill 6" Diameter Core In Brick Manhole	213.53
02 41 19 13-0184	EA	Drill 8" Diameter Core In Brick Manhole	319.45
02 41 19 13-0185	EA	Drill 2" Diameter Core In Concrete Manhole	214.04
02 41 19 13-0186	EA	Drill 3" Diameter Core In Concrete Manhole	229.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0187	EA	Drill 4" Diameter Core In Concrete Manhole	254.03	
02 41 19 13-0188	EA	Drill 5" Diameter Core In Concrete Manhole	272.98	
02 41 19 13-0189	EA	Drill 6" Diameter Core In Concrete Manhole	322.96	
02 41 19 13-0190	EA	Drill 8" Diameter Core In Concrete Manhole	460.56	
02 41 19 13-0191	EA	Drill 2" Diameter Core In Fiberglass Manhole	20.86	
02 41 19 13-0192	EA	Drill 3" Diameter Core In Fiberglass Manhole	24.12	
02 41 19 13-0193	EA	Drill 4" Diameter Core In Fiberglass Manhole	26.18	
02 41 19 13-0194	EA	Drill 5" Diameter Core In Fiberglass Manhole	28.57	
02 41 19 13-0195	EA	Drill 6" Diameter Core In Fiberglass Manhole	31.43	
02 41 19 13-0196	EA	Drill 8" Diameter Core In Fiberglass Manhole	34.94	
02 41 19 13-0197		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0198	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.81	
02 41 19 13-0199	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.90	
02 41 19 13-0200	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.03	
02 41 19 13-0201	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.17	
02 41 19 13-0202	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.38	
02 41 19 13-0203	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.59	
02 41 19 13-0204	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	2.72	
02 41 19 13-0205	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.00	
02 41 19 13-0206	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.39	
02 41 19 13-0207		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0208	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.51	
02 41 19 13-0209	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.59	
02 41 19 13-0210	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.71	
02 41 19 13-0211	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.82	
02 41 19 13-0212	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.99	
02 41 19 13-0213	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.17	
02 41 19 13-0214	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.28	
02 41 19 13-0215	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.51	
02 41 19 13-0216	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.95	
02 41 19 13-0217		Limestone Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0218		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0217)*		
02 41 19 13-0219	EA	Drill 1" Diameter Core In 10" To 14" Limestone	47.89	
02 41 19 13-0220	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	57.83	
02 41 19 13-0221	EA	Drill 2" Diameter Core In 10" To 14" Limestone	63.32	
02 41 19 13-0222	EA	Drill 3" Diameter Core In 10" To 14" Limestone	74.34	
02 41 19 13-0223	EA	Drill 4" Diameter Core In 10" To 14" Limestone	85.59	
02 41 19 13-0224	EA	Drill 6" Diameter Core In 10" To 14" Limestone	119.02	
02 41 19 13-0225	EA	Drill 8" Diameter Core In 10" To 14" Limestone	194.52	
02 41 19 13-0226		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0217)*		
02 41 19 13-0227	EA	Drill 1" Diameter Core In 15" To 18" Limestone	53.05	
02 41 19 13-0228	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	63.21	
02 41 19 13-0229	EA	Drill 2" Diameter Core In 15" To 18" Limestone	68.95	
02 41 19 13-0230	EA	Drill 3" Diameter Core In 15" To 18" Limestone	75.99	
02 41 19 13-0231	EA	Drill 4" Diameter Core In 15" To 18" Limestone	101.00	
02 41 19 13-0232	EA	Drill 6" Diameter Core In 15" To 18" Limestone	130.42	
02 41 19 13-0233	EA	Drill 8" Diameter Core In 15" To 18" Limestone	206.94	
02 41 19 13-0234		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0217)*		
02 41 19 13-0235	EA	Drill 1" Diameter Core In 19" To 24" Limestone	58.13	
02 41 19 13-0236	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	68.49	
02 41 19 13-0237	EA	Drill 2" Diameter Core In 19" To 24" Limestone	74.42	
02 41 19 13-0238	EA	Drill 3" Diameter Core In 19" To 24" Limestone	86.27	
02 41 19 13-0239	EA	Drill 4" Diameter Core In 19" To 24" Limestone	120.58	
02 41 19 13-0240	EA	Drill 6" Diameter Core In 19" To 24" Limestone	150.45	
02 41 19 13-0241	EA	Drill 8" Diameter Core In 19" To 24" Limestone	223.46	
02 41 19 13-0242		Minimum Charge For Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0243	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	583.25	
02 41 19 13-0244		Cutouts *(02 41 19 13)* Note: Includes cleaning and removal. For vertical heights over 14' add appropriate equipment rental (scaffolding, lifts). Not to be used for openings greater than 24 SF. Excludes saw cutting.		
02 41 19 13-0245		Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0244)*		
02 41 19 13-0246	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	38.69	
02 41 19 13-0247	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	41.03	
02 41 19 13-0248	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	43.38	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0249	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.72	
02 41 19 13-0250	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	46.89	
02 41 19 13-0251		**Reinforced Concrete Elevated Slab Cutouts** *(02 41 19 13-0244)*		
		Note: Includes cutting and removing steel decking.		
02 41 19 13-0252	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	47.15	
02 41 19 13-0253	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	50.01	
02 41 19 13-0254	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	52.87	
02 41 19 13-0255	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.72	
02 41 19 13-0256	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	57.15	
02 41 19 13-0257		**Reinforced Concrete Wall Cutouts** *(02 41 19 13-0244)*		
02 41 19 13-0258	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	48.36	
02 41 19 13-0259	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	51.29	
02 41 19 13-0260	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	54.22	
02 41 19 13-0261	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	57.15	
02 41 19 13-0262	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	58.62	
02 41 19 13-0263		**Brick Wall Cutouts** *(02 41 19 13-0244)*		
		Note: Excludes toothing.		
02 41 19 13-0264	SF	4" Thick Brick Wall Cutouts, <24 SF	14.66	
02 41 19 13-0265	SF	6" Thick Brick Wall Cutouts, <24 SF	24.18	
02 41 19 13-0266	SF	8" Thick Brick Wall Cutouts, <24 SF	33.67	
02 41 19 13-0267	SF	10" Thick Brick Wall Cutouts, <24 SF	41.03	
02 41 19 13-0268	SF	12" Thick Brick Wall Cutouts, <24 SF	49.10	
02 41 19 13-0269	SF	16" Thick Brick Wall Cutouts, <24 SF	57.88	
02 41 19 13-0270		**Concrete Block Wall Cutouts** *(02 41 19 13-0244)*		
		Note: Excludes toothing.		
02 41 19 13-0271	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	24.24	
02 41 19 13-0272	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	25.67	
02 41 19 13-0273	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	27.11	
02 41 19 13-0274	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	28.58	
02 41 19 13-0275	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	29.30	
02 41 19 13-0276	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	30.77	
02 41 19 13-0277		**Limestone Cutouts** *(02 41 19 13-0244)*		
02 41 19 13-0278	SF	2" Thick Limestone Cutouts, <24 SF	41.03	
02 41 19 13-0279	SF	4" Thick Limestone Cutouts, <24 SF	49.82	
02 41 19 13-0280	SF	6" Thick Limestone Cutouts, <24 SF	52.76	
02 41 19 13-0281	SF	8" Thick Limestone Cutouts, <24 SF	55.69	
02 41 19 13-0282	SF	10" Thick Limestone Cutouts, <24 SF	58.62	
02 41 19 13-0283	SF	12" Thick Limestone Cutouts, <24 SF	61.55	
02 41 19 13-0284		**Toothing Masonry Cutouts** *(02 41 19 13-0244)*		
		Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0285	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	14.66	
02 41 19 13-0286	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	19.78	
02 41 19 13-0287	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	8.79	
02 41 19 13-0288	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	11.73	
02 41 19 13-0289		**Minimum Charge For Cutouts** *(02 41 19 13-0244)*		
		Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0290	EA	Cutouts Minimum Charge	293.09	
02 41 19 13-0291		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0292		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0291)*		
02 41 19 13-0293	VLF	8" x 8" Masonry Column Removal	11.56	
02 41 19 13-0294	VLF	10" x 10" Masonry Column Removal	18.05	
02 41 19 13-0295	VLF	12" x 12" Masonry Column Removal	23.12	
02 41 19 13-0296	VLF	14" x 14" Masonry Column Removal	28.94	
02 41 19 13-0297	VLF	16" x 16" Masonry Column Removal	35.56	
02 41 19 13-0298	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	19.96	
02 41 19 13-0299		**Masonry Chimney Removal** *(02 41 19 13-0291)*		
02 41 19 13-0300	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.42	
02 41 19 13-0301	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.59	
02 41 19 13-0302	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.46	
02 41 19 13-0303	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.32	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0304			Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0291)* Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0305		LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		16.09
02 41 19 13-0306		LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping		23.75
02 41 19 13-0307		LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping		44.82
02 41 19 13-0308			Facade Removal *(02 41 19 13-0291)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0309		SF	Brick Or Block Facade Removal		4.40
			For Cleaning and Storage For Reuse, Add	*6.60*	
			For Reinforcing, Add	*0.66*	
02 41 19 13-0310			Exterior Masonry Removal *(02 41 19 13-0291)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0311		SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall		3.87
02 41 19 13-0312		SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall		4.36
02 41 19 13-0313		SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall		5.28
02 41 19 13-0314		SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall		5.77
02 41 19 13-0315		SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall		6.33
02 41 19 13-0316		SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall		7.93
02 41 19 13-0317		SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall		4.57
02 41 19 13-0318		SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall		5.24
02 41 19 13-0319		SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall		6.33
02 41 19 13-0320		SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall		6.92
02 41 19 13-0321		SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall		7.60
02 41 19 13-0322		SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall		9.50
02 41 19 13-0323		SF	Demolish 4" Thick Brick Exterior Wall		3.87
			For Cleaning and Storage For Reuse, Add	*5.81*	
02 41 19 13-0324		SF	Demolish 6" Thick Brick Exterior Wall		4.36
			For Cleaning and Storage For Reuse, Add	*6.54*	
02 41 19 13-0325		SF	Demolish 8" Thick Brick Exterior Wall		5.28
			For Cleaning and Storage For Reuse, Add	*7.92*	
02 41 19 13-0326		SF	Demolish 10" Thick Brick Exterior Wall		5.77
			For Cleaning and Storage For Reuse, Add	*8.66*	
02 41 19 13-0327		SF	Demolish 12" Thick Brick Exterior Wall		6.33
			For Cleaning and Storage For Reuse, Add	*9.50*	
02 41 19 13-0328		SF	Demolish 16" Thick Brick Exterior Wall		7.93
			For Cleaning and Storage For Reuse, Add	*11.90*	
02 41 19 13-0329		CF	Exterior Brick, Concrete Block Or Composite Removal		11.26
			For Cleaning and Storage For Reuse, Add	*16.89*	
02 41 19 13-0330			Lintel Removal *(02 41 19 13-0291)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0331		LF	Demolish Steel Lintel		6.88
02 41 19 13-0332		LF	Demolish Concrete Or Stone Lintel		9.18
02 41 19 13-0333		LF	Demolish Steel Shelf Angle		7.26
02 41 19 13-0334			Reinstall Lintel *(02 41 19 13-0291)* Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0335		LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel		3.80
02 41 19 13-0336		LF	Reinstall Existing Concrete Or Stone Lintel		9.18
02 41 19 13-0337		LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.		37.61
02 41 19 13-0338		LF	Reinstall Existing Steel Lintel		15.29
02 41 19 13-0339		LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls		64.80
02 41 19 13-0340		LF	Removal And Replacement Of Steel Lintel Over Window Openings		110.68
02 41 19 16			**Selective Interior Demolition** *(02 41 19)* Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001			Demolish Ceiling *(02 41 19 16)*		
02 41 19 16-0002		SF	Demolish Drywall Ceiling		0.76
02 41 19 16-0003		SF	Demolish Furred Plastered Ceiling		1.77
02 41 19 16-0004		SF	Demolish Suspended Plastered Ceiling And Suspension System		1.35
02 41 19 16-0005			Demolish Interior Partition/Wall *(02 41 19 16)* Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0006			Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0005)* Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0007			Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0006)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0008	SF	Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.10	
02 41 19 16-0009	SF	Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.38	
02 41 19 16-0010	SF	Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.94	
02 41 19 16-0011	SF	Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.34	
02 41 19 16-0012	SF	Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	7.93	
02 41 19 16-0013	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	4.92	
02 41 19 16-0014	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.26	
02 41 19 16-0015	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	5.93	
02 41 19 16-0016	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.61	
02 41 19 16-0017	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.51	

02 41 19 16-0018 Demolish Brick Interior Partition/Walls *(02 41 19 16-0006)*

02 41 19 16-0019	SF	Demolish 4" Thick Brick Interior Partition/Wall	4.10	
02 41 19 16-0020	SF	Demolish 8" Thick Brick Interior Partition/Wall	4.94	
02 41 19 16-0021	SF	Demolish 12" Thick Brick Interior Partition/Wall	6.33	
02 41 19 16-0022	SF	Demolish 16" Thick Brick Interior Partition/Wall	7.93	

02 41 19 16-0023 Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0006)*

02 41 19 16-0024	SF	Demolish Glass Block Interior Partition/Walls	3.52	

02 41 19 16-0025 Demolish Concrete Interior Partition/Walls *(02 41 19 16-0006)*

See CSI section 02 41 16 13-0021 for concrete foundation demolition.

02 41 19 16-0026	SF	Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall	7.46	
02 41 19 16-0027	SF	Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall	9.32	
02 41 19 16-0028	SF	Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall	13.05	
02 41 19 16-0029	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	8.95	
02 41 19 16-0030	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	11.26	
02 41 19 16-0031	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	15.66	

02 41 19 16-0032 Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0005)*

Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.

02 41 19 16-0033	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	2.49	
		For Heights >14' To 20', Add	*0.37*	
		For Heights >20', Add	*0.50*	
02 41 19 16-0034	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	2.90	
		For Heights >14' To 20', Add	*0.44*	
		For Heights >20', Add	*0.58*	
02 41 19 16-0035	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	3.19	
		For Heights >14' To 20', Add	*0.48*	
		For Heights >20', Add	*0.64*	
02 41 19 16-0036	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	4.43	
		For Heights >14' To 20', Add	*0.66*	
		For Heights >20', Add	*0.89*	
02 41 19 16-0037	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.31	
		For Heights >14' To 20', Add	*0.20*	
		For Heights >20', Add	*0.26*	
02 41 19 16-0038	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	1.56	
		For Heights >14' To 20', Add	*0.23*	
		For Heights >20', Add	*0.31*	

02 41 19 16-0039 Demolish Concrete Stair *(02 41 19 16)*

02 41 19 16-0040	CF	Demolish Interior Reinforced Concrete Stairs	6.33	
02 41 19 16-0041	CF	Demolish Exterior Reinforced Concrete Stairs	5.18	

02 42 Removal And Salvage Of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Salvage tasks include placement on pallets and storage on site.

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

02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use *(02 42 21 35)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	229.79	

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001 Remove And Salvage For Re-Use *(02 42 21 47)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	2.09	
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.09	
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	2.89	
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	1.69	
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	0.89	
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.64	

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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

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

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	27.50
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	25.99
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	24.32
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	22.06
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	20.62
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	18.25
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.72
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.32
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	20.62

02 50 Site Remediation *(02)*

02 58 Snow Control *(02 50)*

02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001 Snow/Sand Fence On Steel Posts *(02 58 13)*

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	5.41	1.65

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal And Disposal Of Contaminated Soils *(02 60)*

02 61 13 Excavation And Handling Of Contaminated Material *(02 61)*

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

02 61 13 00-0001 Removal And Disposal Of Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0002	CY	Remove And Dispose Of Petroleum Contaminated Soil Note: Includes loading, hauling up to 25 miles, disposal and fees.	109.19

02 61 13 00-0003 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0004	SF	10 Mil Liner For Contaminated Soil Storage	0.62
02 61 13 00-0005	SF	20 Mil Liner For Contaminated Soil Storage	0.90
02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage	1.02

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

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

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Direct-Push Samples For Testing *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Mobilize Direct-Push Sampling Machine	196.57
02 65 00 00-0004	EA	Collection Of Direct-Push Soil Or Water Sample	200.50

02 65 00 00-0005 Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0006	EA	Collection Of Sludge Sample For Underground Storage Tank	19.24
02 65 00 00-0007	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	19.24
02 65 00 00-0008	EA	Collection Of Soil Sample From Excavated Soil	19.24

02 65 00 00-0009 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0010	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	116.21
02 65 00 00-0011	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	45.19
02 65 00 00-0012	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	108.71
02 65 00 00-0013	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	116.21
02 65 00 00-0014	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	90.38
02 65 00 00-0015	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	245.33
02 65 00 00-0016	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	451.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0017	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	54.36	
02 65 00 00-0018	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	96.84	
02 65 00 00-0019	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	129.12	
02 65 00 00-0020	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	144.61	
02 65 00 00-0021	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	19.37	
02 65 00 00-0022	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	19.37	
02 65 00 00-0023	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	19.37	
02 65 00 00-0024	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	36.15	
02 65 00 00-0025	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	206.59	
02 65 00 00-0026	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	74.74	
02 65 00 00-0027	EA	pH, Lab Test	15.49	
02 65 00 00-0028	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	193.68	
02 65 00 00-0029	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	116.21	
02 65 00 00-0030		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0031		**Transfer Liquid** *(02 65 00 00-0030)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0032	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.53	
02 65 00 00-0033		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0030)*		
02 65 00 00-0034	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.80	
02 65 00 00-0035	GAL	Removal and Disposal Of Non Hazardous Liquid From Tank	0.82	
02 65 00 00-0036		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0030)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0037	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	6.91	
02 65 00 00-0038	GAL	Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank	4.40	
02 65 00 00-0039		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0040		**Purge Vapors, Open, And Clean Tank Interior** *(02 65 00 00-0039)* Note: Includes cutting openings in tank, dry ice for pruging vapors, pressure washing tank interior and disposal of rinse water.		
02 65 00 00-0041	EA	Purge Vapors, Open And Clean Up To 275 Gal Tank Interior	412.23	
02 65 00 00-0042	EA	Purge Vapors, Open And Clean >275 - 500 Gal Tank Interior	688.98	
02 65 00 00-0043	EA	Purge Vapors, Open And Clean >500 - 1,000 Gal Tank Interior	1,061.67	
02 65 00 00-0044	EA	Purge Vapors, Open And Clean >1,000 - 2,000 Gal Tank Interior	1,490.79	
02 65 00 00-0045	EA	Purge Vapors, Open And Clean >2,000 - 5,000 Gal Tank Interior	2,349.01	
02 65 00 00-0046	EA	Purge Vapors, Open And Clean >5,000 - 10,000 Gal Tank Interior	3,432.91	
02 65 00 00-0047		**Tank And Piping Removal** *(02 65)* Note: Excludes excavation.		
02 65 00 00-0048		**Removal And Disposal Of Piping** *(02 65 00 00-0047)* Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0049	LF	Up To 4", Removal And Disposal Of Piping	13.86	
02 65 00 00-0050	LF	>4" To 8", Removal And Disposal Of Piping	18.48	
02 65 00 00-0051		**Remove And Dispose Of Tank** *(02 65 00 00-0047)* Note: Includes removal, inspection, loading and transporting tank to disposal facility or transfer station within 15 miles, and disposal fees. Removal is from excavation for UST, or from building interior for AST.		
02 65 00 00-0052	EA	Remove and Dispose of Up To 275 Gal Tank	773.87	
		For Each Additional Mile > 15 Miles, Add	*1.37*	
02 65 00 00-0053	EA	Remove and Dispose of >275 - 500 Gal Tank	1,080.44	
		For Each Additional Mile > 15 Miles, Add	*1.77*	
02 65 00 00-0054	EA	Remove and Dispose of >500 - 1,000 Gal Tank	1,597.59	
		For Each Additional Mile > 15 Miles, Add	*2.75*	
02 65 00 00-0055	EA	Remove and Dispose of >1,000 - 2,000 Gal Tank	2,082.38	
		For Each Additional Mile > 15 Miles, Add	*3.34*	
02 65 00 00-0056	EA	Remove and Dispose of >2,000 - 5,000 Gal Tank	3,833.26	
		For Each Additional Mile > 15 Miles, Add	*6.28*	
02 65 00 00-0057	EA	Remove and Dispose of >5,000 - 10,000 Gal Tank	6,283.21	
		For Each Additional Mile > 15 Miles, Add	*10.60*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0058			Tank Closure Report *(02 65 00 00-0047)* Note: Excludes soils tests. See CSI section 02 65 00 00-0009 for soil tests.		
	02 65 00 00-0059	EA	Prepare Tank Closure Report	3,185.34	

02 80 Facility Remediation *(02)*

02 82 Asbestos Remediation *(02 80)*

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001			Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)* Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
	02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	80.41	
	02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	35.10	
	02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	41.15	
	02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	65.36	
	02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	112.56	
	02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	136.76	
	02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	27.84	
	02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	33.89	
	02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	45.99	
	02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	35.10	
	02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	41.15	
	02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	65.36	
	02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	112.56	
	02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	129.50	
	02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	180.33	

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

02 82 33 00-0001			Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0002			Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)* Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
02 82 33 00-0003			Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)* See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
	02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	670.35	
			For Work In Restricted Working Space, Add	*197.89*	
	02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	34.27	
			For Work In Restricted Working Space, Add	*10.12*	
	02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.83	
			For Work In Restricted Working Space, Add	*7.59*	
	02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.51	
			For Work In Restricted Working Space, Add	*5.69*	
	02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.76	
			For Work In Restricted Working Space, Add	*4.27*	
	02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	12.92	
			For Work In Restricted Working Space, Add	*3.71*	
02 82 33 00-0010			>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)* See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
	02 82 33 00-0011	SET	Up To 20 LF Pipe Insulation, > 6" Diameter	702.55	
			For Work In Restricted Working Space, Add	*197.89*	
	02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	40.94	
			For Work In Restricted Working Space, Add	*11.64*	
	02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	31.24	
			For Work In Restricted Working Space, Add	*8.73*	
	02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	23.96	
			For Work In Restricted Working Space, Add	*6.54*	
	02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.51	
			For Work In Restricted Working Space, Add	*4.91*	
	02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.39	
			For Work In Restricted Working Space, Add	*4.27*	
02 82 33 00-0017			Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)* Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0018	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	488.91	
		For Work In Restricted Working Space, Add	*144.74*	
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	109.37	
		For Work In Restricted Working Space, Add	*32.17*	
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	43.77	
		For Work In Restricted Working Space, Add	*12.49*	
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	33.36	
		For Work In Restricted Working Space, Add	*9.36*	
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	25.56	
		For Work In Restricted Working Space, Add	*7.02*	

02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0023)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0025	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	673.04
02 82 33 00-0026	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	34.27
02 82 33 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	27.11
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	20.46
02 82 33 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	15.48

02 82 33 00-0030 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0031 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

Note: Exposed surface area, includes associated overspray.

02 82 33 00-0032	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	673.04
02 82 33 00-0033	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	41.01
02 82 33 00-0034	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	30.88
02 82 33 00-0035	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	23.30
02 82 33 00-0036	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.60

02 82 33 00-0037 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 33 00-0038	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	668.57
02 82 33 00-0039	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	17.26
02 82 33 00-0040	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.14
02 82 33 00-0041	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.85
02 82 33 00-0042	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.37

02 82 33 00-0043 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0044	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	677.51
		For Additional Layer, Add	*181.40*
02 82 33 00-0045	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	13.35
		For Additional Layer, Add	*3.57*
02 82 33 00-0046	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.85
		For Additional Layer, Add	*2.61*
02 82 33 00-0047	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.78
		For Additional Layer, Add	*2.04*
02 82 33 00-0048	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.13
		For Additional Layer, Add	*1.59*
02 82 33 00-0049	SF	>50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.90
		For Additional Layer, Add	*1.25*

02 82 33 00-0050 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0051	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	668.57
02 82 33 00-0052	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	25.01
02 82 33 00-0053	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	18.42
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.46
02 82 33 00-0055	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	11.32
02 82 33 00-0056	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.19

02 82 33 00-0057 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0058	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	677.51
02 82 33 00-0059	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	29.03
02 82 33 00-0060	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	21.87
02 82 33 00-0061	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	16.48
02 82 33 00-0062	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	12.45

02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0031 for areas > 1 SF.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	165.44	

02 82 33 00-0065 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0030)*

02 82 33 00-0066	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	673.93	
02 82 33 00-0067	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	14.37	
02 82 33 00-0068	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	7.10	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	4.92	
02 82 33 00-0070	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	4.23	

02 82 33 00-0071 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0072 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0071)*

02 82 33 00-0073 Floor Tile Or Linoleum, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0074	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	663.20	
02 82 33 00-0075	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	7.10	
		For Each Additional Layer, Add	*1.78*	
02 82 33 00-0076	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	5.85	
		For Each Additional Layer, Add	*1.46*	
02 82 33 00-0077	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	4.69	
		For Each Additional Layer, Add	*1.17*	
02 82 33 00-0078	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	3.28	
		For Each Additional Layer, Add	*0.82*	

02 82 33 00-0079 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

02 82 33 00-0080	SET	Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	663.20	
02 82 33 00-0081	SF	>100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	5.64	
02 82 33 00-0082	SF	>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	4.59	
02 82 33 00-0083	SF	>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	3.39	
02 82 33 00-0084	SF	>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	2.61	

02 82 33 00-0085 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0072)*

Note: Up to 12".

02 82 33 00-0086	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	251.83	
02 82 33 00-0087	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	4.58	
02 82 33 00-0088	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.82	
02 82 33 00-0089	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.83	
02 82 33 00-0090	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.34	

02 82 33 00-0091 Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0071)*

Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.

02 82 33 00-0092	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	668.57	
02 82 33 00-0093	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	2.56	
02 82 33 00-0094	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.89	
02 82 33 00-0095	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.48	
02 82 33 00-0096	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.20	

02 82 33 00-0097 Roofing, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0098 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0097)*

Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.

02 82 33 00-0099 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0098)*

02 82 33 00-0100	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	869.26	
02 82 33 00-0101	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.68	
02 82 33 00-0102	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.42	
02 82 33 00-0103	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.41	
02 82 33 00-0104	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.40	
02 82 33 00-0105	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.64	

02 82 33 00-0106 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0098)*

02 82 33 00-0107	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	903.24	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0108	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.93	
02 82 33 00-0109	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.46	
02 82 33 00-0110	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.34	
02 82 33 00-0111	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.18	
02 82 33 00-0112	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.31	
02 82 33 00-0113		**>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0098)*		
02 82 33 00-0114	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	942.60	
02 82 33 00-0115	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.07	
02 82 33 00-0116	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.44	
02 82 33 00-0117	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.21	
02 82 33 00-0118	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.92	
02 82 33 00-0119	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.95	
02 82 33 00-0120		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0097)*		
02 82 33 00-0121		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0120)*		
02 82 33 00-0122	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	835.71	
02 82 33 00-0123	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.41	
		For Each Additional Layer, Add	*1.60*	
02 82 33 00-0124	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.15	
		For Each Additional Layer, Add	*1.29*	
02 82 33 00-0125	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.14	
		For Each Additional Layer, Add	*1.04*	
02 82 33 00-0126	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.13	
		For Each Additional Layer, Add	*0.78*	
02 82 33 00-0127	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.37	
		For Each Additional Layer, Add	*0.59*	
02 82 33 00-0128		**Asbestos-Cement Products, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0129		**Interior Asbestos-Cement Board, Asbestos Abatement And Disposal** *(02 82 33 00-0128)* Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0130	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	677.50	
02 82 33 00-0131	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.92	
02 82 33 00-0132	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.56	
02 82 33 00-0133	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.88	
02 82 33 00-0134	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.52	
02 82 33 00-0135		**Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal** *(02 82 33 00-0128)*		
02 82 33 00-0136	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	677.50	
02 82 33 00-0137	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	6.04	
02 82 33 00-0138	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.18	
02 82 33 00-0139	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.58	
02 82 33 00-0140	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.27	
02 82 33 00-0141		**Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal** *(02 82 33 00-0128)*		
02 82 33 00-0142	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	516.19	
02 82 33 00-0143	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	35.88	
02 82 33 00-0144	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	27.44	
02 82 33 00-0145	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	21.12	
02 82 33 00-0146	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.38	
02 82 33 00-0147	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	12.82	
02 82 33 00-0148	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	12.58	
02 82 33 00-0149		**Exterior Transite Siding, Asbestos Abatement And Disposal** *(02 82 33 00-0128)*		
02 82 33 00-0150	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	689.94	
02 82 33 00-0151	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0152	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.40	
02 82 33 00-0153	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.56	
02 82 33 00-0154	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.71	
02 82 33 00-0155	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.08	
02 82 33 00-0156		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0157		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0156)*		
02 82 33 00-0158	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	681.09	
		For Work In Restricted Working Space, Add	*197.89*	
02 82 33 00-0159	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	67.73	
		For Work In Restricted Working Space, Add	*19.67*	
02 82 33 00-0160	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	45.88	
		For Work In Restricted Working Space, Add	*13.12*	
02 82 33 00-0161	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.99	
		For Work In Restricted Working Space, Add	*9.85*	
02 82 33 00-0162	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	28.38	
		For Work In Restricted Working Space, Add	*7.87*	
02 82 33 00-0163	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	24.45	
		For Work In Restricted Working Space, Add	*6.69*	
02 82 33 00-0164	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	22.21	
		For Work In Restricted Working Space, Add	*6.02*	
02 82 33 00-0165	SF	HEPA Vacuum Asbestos Debris Prior To Abatement, Asbestos Abatement And Disposal	0.24	
		For Work In Restricted Working Space, Add	*0.06*	
02 82 33 00-0166		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0156)*		
02 82 33 00-0167	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	535.94	
02 82 33 00-0168	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	69.33	
02 82 33 00-0169	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	49.65	
02 82 33 00-0170	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.86	
02 82 33 00-0171	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	33.92	
02 82 33 00-0172	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.37	
02 82 33 00-0173	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	28.36	
02 82 33 00-0174		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0175		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0174)*		
02 82 33 00-0176	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	339.48	
02 82 33 00-0177	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	128.40	
02 82 33 00-0178	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	116.51	
02 82 33 00-0179		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0174)*		
02 82 33 00-0180	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	330.27	
02 82 33 00-0181	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.78	
02 82 33 00-0182	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.09	
02 82 33 00-0183	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.39	
02 82 33 00-0184	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.79	
02 82 33 00-0185	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.25	
02 82 33 00-0186	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.80	
02 82 33 00-0187		Grout, Asbestos Abatement And Disposal *(02 82 33 00-0174)* Note: e.g. flue grout.		
02 82 33 00-0188	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	330.12	
02 82 33 00-0189	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	13.02	
02 82 33 00-0190	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	8.97	
02 82 33 00-0191	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	7.69	
02 82 33 00-0192	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	6.60	
02 82 33 00-0193	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	5.70	
02 82 33 00-0194	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	4.88	
02 82 33 00-0195		Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0174)* Note: e.g. rope, web cloth, flat.		
02 82 33 00-0196	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	330.27	
02 82 33 00-0197	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	17.53	
02 82 33 00-0198	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	13.16	
02 82 33 00-0199	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	11.21	
02 82 33 00-0200	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	10.10	
02 82 33 00-0201	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	9.07	
02 82 33 00-0202	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	8.64	
02 82 33 00-0203		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0174)* Note: e.g. grid, spline, or glued on.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0204	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	668.56	
02 82 33 00-0205	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	14.19	
02 82 33 00-0206	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	6.92	
02 82 33 00-0207	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	4.74	
02 82 33 00-0208	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	4.05	
02 82 33 00-0209		Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0174)*		
02 82 33 00-0210		Caulking, Interior And Exterior *(02 82 33 00-0209)* Note: Includes Glazing Compound.		
02 82 33 00-0211	SET	Up To 10 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	330.12	
02 82 33 00-0212	LF	>10 To 50 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	9.76	
02 82 33 00-0213	LF	>50 To 100 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	6.89	
02 82 33 00-0214	LF	>100 To 250 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	5.14	
02 82 33 00-0215	LF	>250 To 1,000 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	3.86	
02 82 33 00-0216	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	3.07	
02 82 33 00-0217	LF	>2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	2.66	
02 82 33 00-0218		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0174)*		
02 82 33 00-0219		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0218)*		
02 82 33 00-0220	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	165.20	
02 82 33 00-0221	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.68	
02 82 33 00-0222	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.60	
02 82 33 00-0223	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.94	
02 82 33 00-0224	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.47	
02 82 33 00-0225	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.17	
02 82 33 00-0226	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.02	
02 82 33 00-0227		Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0174)*		
02 82 33 00-0228	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	4.31	
02 82 33 00-0229	SF	Mastic On Walls, Asbestos Abatement And Disposal	16.58	
02 82 33 00-0230		Other Material, Asbestos Abatement And Disposal *(02 82 33 00-0174)*		
02 82 33 00-0231	LF	Chemical Countertops, Asbestos Abatement And Disposal	22.71	
02 82 33 00-0232	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,288.31	
02 82 33 00-0233	EA	Elevator Brake Lining, Asbestos Abatement And Disposal	82.55	
02 82 33 00-0234	EA	Asbestos Sink Undercoating, Asbestos Abatement And Disposal	66.86	

02 83 Lead Remediation *(02 80)*

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

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

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

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0001		Lead Sampling And Testing *(02 83 19 13)* Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	72.09	
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	41.72	
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	39.94	
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	60.52	
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	84.72	
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	15.73	
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	24.21	
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	30.26	
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	39.94	
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	60.52	
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	6.66	
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	9.08	
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	13.31	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	6.66	
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	9.08	
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	13.31	
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	24.21	
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	36.31	
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	48.41	
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	25.03	
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	50.07	

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

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

02 83 19 13-0024	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	11.97	
		For 0.025" (25 mil) Application, Add	*0.73*	
		For 0.03" (30 mil) Application, Add	*1.18*	
		For 0.125" (125 mil) Application, Add	*6.95*	
02 83 19 13-0025	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	24.34	
		For 0.025" (25 mil) Application, Add	*1.35*	
		For 0.03" (30 mil) Application, Add	*2.11*	
		For 0.125" (125 mil) Application, Add	*10.05*	
02 83 19 13-0026	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	13.06	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.44*	
02 83 19 13-0027	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	9.86	
		For 0.025" (25 mil) Application, Add	*0.67*	
		For 0.03" (30 mil) Application, Add	*1.11*	
		For 0.125" (125 mil) Application, Add	*7.75*	
02 83 19 13-0028	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	8.09	
		For 0.025" (25 mil) Application, Add	*0.58*	
		For 0.03" (30 mil) Application, Add	*0.98*	
		For 0.125" (125 mil) Application, Add	*7.30*	
02 83 19 13-0029	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	11.11	
		For 0.025" (25 mil) Application, Add	*0.73*	
		For 0.03" (30 mil) Application, Add	*1.21*	
02 83 19 13-0030	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	23.23	
		For 0.025" (25 mil) Application, Add	*1.34*	
		For 0.03" (30 mil) Application, Add	*2.12*	
02 83 19 13-0031	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	9.42	
		For 0.025" (25 mil) Application, Add	*0.65*	
		For 0.03" (30 mil) Application, Add	*1.08*	
02 83 19 13-0032	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	13.28	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.37*	
02 83 19 13-0033	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	12.06	
		For 0.025" (25 mil) Application, Add	*0.78*	
		For 0.03" (30 mil) Application, Add	*1.28*	
02 83 19 13-0034	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	24.82	
		For 0.025" (25 mil) Application, Add	*1.42*	
		For 0.03" (30 mil) Application, Add	*2.24*	
02 83 19 13-0035	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	5.42	
		For 0.025" (25 mil) Application, Add	*0.40*	
		For 0.03" (30 mil) Application, Add	*0.69*	
		For 0.125" (125 mil) Application, Add	*5.32*	
02 83 19 13-0036	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	8.64	
		For 0.025" (25 mil) Application, Add	*0.56*	
		For 0.03" (30 mil) Application, Add	*0.93*	
		For 0.125" (125 mil) Application, Add	*6.12*	
02 83 19 13-0037	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	15.44	
		For 0.025" (25 mil) Application, Add	*0.99*	
		For 0.03" (30 mil) Application, Add	*1.62*	
		For 0.125" (125 mil) Application, Add	*10.40*	
02 83 19 13-0038	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	21.12	
		For 0.025" (25 mil) Application, Add	*1.32*	
		For 0.03" (30 mil) Application, Add	*2.14*	
		For 0.125" (125 mil) Application, Add	*13.14*	
02 83 19 13-0039	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	37.84	
		For 0.025" (25 mil) Application, Add	*2.29*	
		For 0.03" (30 mil) Application, Add	*3.68*	
		For 0.125" (125 mil) Application, Add	*21.28*	
02 83 19 13-0040	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	15.98	
		For 0.025" (25 mil) Application, Add	*1.29*	
		For 0.03" (30 mil) Application, Add	*2.24*	
02 83 19 13-0041	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	17.46	
		For 0.025" (25 mil) Application, Add	*1.37*	
		For 0.03" (30 mil) Application, Add	*2.36*	
02 83 19 13-0042	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	8.72	
		For 0.025" (25 mil) Application, Add	*0.61*	
		For 0.03" (30 mil) Application, Add	*1.03*	
		For 0.125" (125 mil) Application, Add	*7.46*	
02 83 19 13-0043	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	9.89	
		For 0.025" (25 mil) Application, Add	*0.67*	
		For 0.03" (30 mil) Application, Add	*1.12*	
		For 0.125" (125 mil) Application, Add	*7.75*	
02 83 19 13-0044	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	9.86	
		For 0.025" (25 mil) Application, Add	*0.67*	
		For 0.03" (30 mil) Application, Add	*1.11*	
		For 0.125" (125 mil) Application, Add	*7.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0045	SF	Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	22.55	
		For 0.025" (25 mil) Application, Add	*1.30*	
		For 0.03" (30 mil) Application, Add	*2.07*	
02 83 19 13-0046	SF	Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	24.67	
		For 0.025" (25 mil) Application, Add	*1.41*	
		For 0.03" (30 mil) Application, Add	*2.22*	
02 83 19 13-0047	SF	Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	26.10	
		For 0.025" (25 mil) Application, Add	*1.48*	
		For 0.03" (30 mil) Application, Add	*2.33*	
02 83 19 13-0048	SF	Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	27.55	
		For 0.025" (25 mil) Application, Add	*1.55*	
		For 0.03" (30 mil) Application, Add	*2.44*	
02 83 19 13-0049	SF	Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	28.98	
		For 0.025" (25 mil) Application, Add	*1.63*	
		For 0.03" (30 mil) Application, Add	*2.55*	
02 83 19 13-0050	SF	Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	30.46	
		For 0.025" (25 mil) Application, Add	*1.70*	
		For 0.03" (30 mil) Application, Add	*2.66*	
02 83 19 13-0051	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	45.01	
		For 0.025" (25 mil) Application, Add	*2.60*	
		For 0.03" (30 mil) Application, Add	*4.12*	
		For 0.125" (125 mil) Application, Add	*21.75*	
02 83 19 13-0052	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	7.87	
		For 0.025" (25 mil) Application, Add	*0.53*	
		For 0.03" (30 mil) Application, Add	*0.87*	
		For 0.125" (125 mil) Application, Add	*5.93*	
02 83 19 13-0053	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	22.94	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	*1.41*	
		For 0.03" (30 mil) Application, Add	*2.28*	
		For 0.125" (125 mil) Application, Add	*13.60*	
02 83 19 13-0054	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	25.03	
		For 0.025" (25 mil) Application, Add	*1.47*	
		For 0.03" (30 mil) Application, Add	*2.34*	
		For 0.125" (125 mil) Application, Add	*12.80*	

02 83 19 13-0055 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0056	SF	Demolish Plaster Or Stucco, And Lath, Lead Contaminated Material	2.86
02 83 19 13-0057	SF	Demolish Walls, Gypsum Board, Lead Contaminated Material	0.92
02 83 19 13-0058	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.15
02 83 19 13-0059	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.73
02 83 19 13-0060	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	54.89
02 83 19 13-0061	SF	Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	8.13
02 83 19 13-0062	SF	Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	4.55
02 83 19 13-0063	SF	Demolish Brick, Lead Contaminated Material	3.43
02 83 19 13-0064	SF	Demolish Concrete Block, Lead Contaminated Material	4.42
02 83 19 13-0065	SF	Demolish Tile, Lead Contaminated Material	3.33
02 83 19 13-0066	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	5.00
02 83 19 13-0067	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	5.69
02 83 19 13-0068	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.48
02 83 19 13-0069	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	1.85
02 83 19 13-0070	SF	Demolish Concrete, Lead Contaminated Material	11.32
02 83 19 13-0071	LF	Demolish Cabinets, Lead Contaminated Material	26.37
02 83 19 13-0072	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.49
02 83 19 13-0073	EA	Demolish Doors, Lead Contaminated Material	57.22
02 83 19 13-0074	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	1.74
02 83 19 13-0075	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.26
02 83 19 13-0076	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	3.75
02 83 19 13-0077	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	13.71
02 83 19 13-0078	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	5.62
02 83 19 13-0079	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	8.20
02 83 19 13-0080	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	12.40
02 83 19 13-0081	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	22.86
02 83 19 13-0082	EA	Demolish Radiators, Lead Contaminated Material	98.76
02 83 19 13-0083	EA	Demolish Shutters, Lead Contaminated Material	38.48
02 83 19 13-0084	SF	Demolish Siding, Lead Contaminated Material	1.53
02 83 19 13-0085	SF	Demolish Soffit, Lead Contaminated Material	1.30
02 83 19 13-0086	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	3.56
02 83 19 13-0087	SF	Demolish Windows, Lead Contaminated Material	13.66
02 83 19 13-0088	SF	Demolish Metal Stair, Lead Contaminated Material	6.54
02 83 19 13-0089	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	4.80
02 83 19 13-0090	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	7.84
02 83 19 13-0091	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.16
02 83 19 13-0092	SF	Demolish Plywood, Lead Contaminated Material	5.90

02 83 19 13-0093 Wet Sanding Of Lead Contaminated Material *(02 83 19 13)*

02 83 19 13-0094	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.56

02 83 19 13-0095 Lead Abatement Encapsulation *(02 83 19 13)*

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0096	SF	Balustrades, Lead Abatement Encapsulation	4.85	
02 83 19 13-0097	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	5.70	
02 83 19 13-0098	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	7.67	
02 83 19 13-0099	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	3.07	
02 83 19 13-0100	SF	Ornate Cabinets, Lead Abatement Encapsulation	7.07	
02 83 19 13-0101	SF	Simple Design Cabinets, Lead Abatement Encapsulation	5.74	
02 83 19 13-0102	SF	Drywall Ceilings, Lead Abatement Encapsulation	1.88	
02 83 19 13-0103	SF	Wood Ceilings, Lead Abatement Encapsulation	2.31	
02 83 19 13-0104	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.13	
02 83 19 13-0105	SF	Columns, Lead Abatement Encapsulation	3.74	
02 83 19 13-0106	SF	Doors, Lead Abatement Encapsulation	8.33	
02 83 19 13-0107	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.19	
02 83 19 13-0108	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.18	
02 83 19 13-0109	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.80	
02 83 19 13-0110	SF	Grilles, Vents, Lead Abatement Encapsulation	5.25	
02 83 19 13-0111	LF	Gutters And Downspouts, Lead Abatement Encapsulation	4.85	
02 83 19 13-0112	EA	Hangers, Lead Abatement Encapsulation	42.21	
02 83 19 13-0113	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.94	
02 83 19 13-0114	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.16	
02 83 19 13-0115	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.41	
02 83 19 13-0116	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.44	
02 83 19 13-0117	EA	Radiators, Lead Abatement Encapsulation	177.72	
02 83 19 13-0118	EA	Up To 6' Shutters, Lead Abatement Encapsulation	153.78	
02 83 19 13-0119	SF	Siding, Lead Abatement Encapsulation	2.62	
02 83 19 13-0120	SF	Up To 12" Soffit, Lead Abatement Encapsulation	3.74	
02 83 19 13-0121	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	3.07	
02 83 19 13-0122	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	4.06	
02 83 19 13-0123	SF	Trusses, Lead Abatement Encapsulation	4.06	
02 83 19 13-0124	SF	Drywall Walls, Lead Abatement Encapsulation	1.68	
02 83 19 13-0125	SF	Wood Walls, Lead Abatement Encapsulation	2.07	
02 83 19 13-0126	EA	Window Without Grille, Lead Abatement Encapsulation	153.35	
02 83 19 13-0127	EA	Window With Grille, Lead Abatement Encapsulation	180.12	
02 83 19 13-0128	LF	Frames And Trim, Lead Abatement Encapsulation	2.80	
02 83 19 13-0129	LF	Steel Lintels, Lead Abatement Encapsulation	3.21	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.24	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.27	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.14	

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury *(02 84)*

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	6.41	

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*

Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	1.01	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	1.51	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	4.71	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	10.77	

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)*

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	2.52	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	3.78	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	7.06	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	16.15	

02 84 16 00-0013 Disposal Of Fixtures Contaminated By Leaking PCB Ballasts *(02 84 16)*

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes demolition of fixture, ballast(s) removal and disposal of leaking ballast(s).

02 84 16 00-0014	EA	Disposal Of Fixture Contaminated By Leaking Polychlorinated Biphenyl (PCB) Ballasts	92.38	

02 87 Bio-Hazard Material Remediation *(02 80)*

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 87 13 Mold Remediation *(02 87)*

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold Remediation are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*

Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)*

Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*

Note: Excludes encased fittings.

02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	670.35
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.05
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.67
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.89
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.30
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.90

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

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	702.55
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	31.49
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.15
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.65
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.52
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.91

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*

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

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	686.45
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	15.20
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.54
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	8.78
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	6.86

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*

Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)*

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	677.51
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	15.02
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	11.36
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	8.60
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	6.55

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)*

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	677.51
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	15.02
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	11.36
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.60
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	6.55

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

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	695.40
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	5.10
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.07
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.24
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.42

02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*

Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	686.45
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	20.74
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	15.71
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	11.92
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	9.08

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0049		**Flooring, Mold Abatement And Disposal** *(02 87 13 33)* Note: Includes cove base.		
02 87 13 33-0050		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0051		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0050)* Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	695.40	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.07	
		For Each Additional Layer, Add	*1.27*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.89	
		For Each Additional Layer, Add	*0.72*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.73	
		For Each Additional Layer, Add	*0.43*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.37	
		For Each Additional Layer, Add	*0.34*	
02 87 13 33-0057		**Carpet, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0058		**Carpet, Glue Down, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	695.40	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.24	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.71	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.86	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.46	
02 87 13 33-0064		**Carpet, Padded With Tack Strips, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	695.40	
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	4.76	
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	3.50	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.81	
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.20	
02 87 13 33-0070		**Subflooring, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	686.45	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	5.82	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	3.77	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.33	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.54	
02 87 13 33-0076		**Siding, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0077		**Interior Paneling, Mold Abatement And Disposal** *(02 87 13 33-0076)* Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	695.40	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	5.06	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.59	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.15	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.68	
02 87 13 33-0083		**Exterior Siding, Mold Abatement And Disposal** *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	695.40	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	6.25	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.38	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.00	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.71	
02 87 13 33-0089		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0090		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	702.55	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	24.96	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	17.36	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	13.56	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	11.28	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.13	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	6.62	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0098		Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0099		Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)* Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	347.70	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.84	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.13	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.67	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.29	
02 87 13 33-0105		Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)* Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	695.40	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	8.60	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.12	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.00	
02 87 13 33-0110	SF	>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.71	
02 87 13 33-0111		Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*		
02 87 13 33-0112	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	165.49	
02 87 13 33-0113	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	3.33	
02 87 13 33-0114	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.38	
02 87 13 33-0115	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.81	
02 87 13 33-0116	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.35	
02 87 13 33-0117	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.10	
02 87 13 33-0118	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.95	
02 87 13 33-0119		Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*		
02 87 13 33-0120	CSF	Wipe Down Floors With Mild Bleach Solution	18.33	
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 200, Deduct	*-4.58*	
		For >200, Deduct	*-7.33*	
02 87 13 33-0121	CSF	Wipe Down Walls With Mild Bleach Solution	21.57	
		For >25 To 50, Deduct	*-2.16*	
		For >50 To 200, Deduct	*-5.39*	
		For >200, Deduct	*-8.62*	
02 87 13 33-0122	CSF	Wipe Down Ceilings With Mild Bleach Solution	24.53	
		For >25 To 50, Deduct	*-2.45*	
		For >50 To 200, Deduct	*-6.13*	
		For >200, Deduct	*-9.81*	
02 87 13 33-0123	CSF	Wipe Down Countertops With Mild Bleach Solution	20.00	
		For >25 To 50, Deduct	*-2.00*	
02 87 13 33-0124	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	25.38	
		For >25 To 50, Deduct	*-2.54*	
		For >50 To 200, Deduct	*-6.34*	
		For >200, Deduct	*-10.15*	
02 87 16		**Excrement Removal** *(02 87)* Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 16 13		**Bird Excrement Removal** *(02 87 16)*		
02 87 16 13-0001		Bird Waste Removal *(02 87 16 13)* Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA	Up To 10 SF, Bird Waste Removal	659.62	
		For Work In Restricted Working Space, Add	*197.89*	
02 87 16 13-0003	SF	>10 To 500 SF, Bird Waste Removal	11.00	
		For Work In Restricted Working Space, Add	*3.30*	
02 87 16 13-0004	SF	>500 To 2,500 SF, Bird Waste Removal	9.99	
		For Work In Restricted Working Space, Add	*3.00*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF, Bird Waste Removal	9.09	
		For Work In Restricted Working Space, Add	*2.73*	
02 87 16 13-0006	SF	>10,000 SF, Bird Waste Removal	8.26	
		For Work In Restricted Working Space, Add	*2.48*	
02 87 19		**Bio-Hazard And Infectious Disease Control Remediation** *(02 87)*		
02 87 19 00-0001		Temporary Barriers *(02 87 19)*		
02 87 19 00-0002		Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)* Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	594.37	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	564.37	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	444.37	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	514.37	
02 87 19 00-0007	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	272.18	
02 87 19 00-0008	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	292.18	
02 87 19 00-0009	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Door panels include a hydraulic closer and a lever style lockset standard.	909.37	
02 87 19 00-0010	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Door panels include a hydraulic closer and a lever style lockset standard.	1,009.37	
02 87 19 00-0011	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Door panels include a hydraulic closer and a lever style lockset standard.	1,209.37	
02 87 19 00-0012	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	201.14	
02 87 19 00-0013	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	166.14	
02 87 19 00-0014	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	166.14	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	11.55	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	279.03	

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.39	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.52	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	0.69	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.45	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.58	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	0.75	

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0025	SF	Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.47	
02 87 19 00-0026	SF	1/2" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.52	
02 87 19 00-0027	SF	3/4" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.84	

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.49	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.22	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.62	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.47	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	2.61	

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	16.84	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	2.02	

02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	16.73	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	20.00	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	28.50	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	862.34	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	308.75	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	489.53	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	94.20	

02 87 19 00-0045 Temporary Portable And Mobile Trailers *(02 87 19)*

02 87 19 00-0046 Trailer Delivery *(02 87 19 00-0045)*

02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	876.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0048		**Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	7,466.15	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	10,545.52	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	15,041.93	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	18,791.99	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	21,363.30	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	22,462.15	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	24,993.39	
		For Tie-Downs, Add	*74.05*	
02 87 19 00-0056		**Portable And Mobile Trailers, Rental** *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0057	MO	8' x 24' Mobile Trailer, With Toilet, Rental	140.64	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*589.07*	
		For Each Set-Up (Block And Level), Add	*374.89*	
02 87 19 00-0058	MO	8' x 32' Mobile Trailer, With Toilet, Rental	159.38	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*589.07*	
		For Each Set-Up (Block And Level), Add	*374.89*	
02 87 19 00-0059	MO	10' x 36' Mobile Trailer, With Toilet, Rental	215.64	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*834.52*	
		For Each Set-Up (Block And Level), Add	*611.66*	
02 87 19 00-0060	MO	10' x 44' Mobile Trailer, With Toilet, Rental	253.14	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*834.52*	
		For Each Set-Up (Block And Level), Add	*611.66*	
02 87 19 00-0061	MO	10' x 50' Mobile Trailer, With Toilet, Rental	267.21	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*834.52*	
		For Each Set-Up (Block And Level), Add	*611.66*	
02 87 19 00-0062	MO	12' x 50' Mobile Trailer, With Toilet, Rental	314.08	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*834.52*	
		For Each Set-Up (Block And Level), Add	*611.66*	
02 87 19 00-0063	MO	12' x 60' Mobile Trailer, With Toilet, Rental	342.21	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
		For Each Delivery And Removal, Two Round Trips, Add	*834.52*	
		For Each Set-Up (Block And Level), Add	*611.66*	
02 87 19 00-0064	MO	24' x 60' Modular Trailer, With Toilet, Rental	750.04	
		For Each Delivery And Removal, Two Round Trips, Add	*1,570.86*	
		For Each Set-Up (Block And Level), Add	*986.55*	
		For Each Anchoring Into Dirt, Add	*116.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*174.74*	
02 87 19 00-0065		**Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)*		
02 87 19 00-0066		**Skirting** *(02 87 19 00-0065)* Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0067	SF	1'-8" High Vinyl Covered Skirt	3.44	1.30
02 87 19 00-0068	SF	3' High Vinyl Covered Skirt	5.11	2.15
02 87 19 00-0069		**Aluminum Modular Access Ramp** *(02 87 19 00-0065)* Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0070	EA	Up To 35" High, Aluminum Modular Access Ramp	2,199.47	24.96
02 87 19 00-0071		**Aluminum Modular Stairs** *(02 87 19 00-0065)* Note: Excludes earthwork		
02 87 19 00-0072	EA	Aluminum Steps For Mobile Trailers	608.09	
02 87 19 00-0073		**Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)* Note: Includes removal after use.		
02 87 19 00-0074	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	618.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0075	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	730.30	
02 87 19 00-0076	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	385.10	
02 87 19 00-0077		**Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)* Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0147 for disposal of material into approved landfill.		
02 87 19 00-0078		**Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0077)*		
02 87 19 00-0079	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location.	263.34	
02 87 19 00-0080		**Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0077)* Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0081	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	19.53	
		For >25 To 50, Deduct	*-1.95*	
		For >50 To 200, Deduct	*-3.90*	
		For >200, Deduct	*-5.85*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*8.33*	
		For Level 1 Biohazard Cleaning, Deduct	*-3.90*	
		For Level 3 Biohazard Cleaning, Add	*6.44*	
02 87 19 00-0082	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	22.96	
		For >25 To 50, Deduct	*-2.29*	
		For >50 To 200, Deduct	*-4.59*	
		For >200, Deduct	*-6.88*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*8.33*	
		For Level 1 Biohazard Cleaning, Deduct	*-4.59*	
		For Level 3 Biohazard Cleaning, Add	*7.57*	
02 87 19 00-0083	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	26.12	
		For >25 To 50, Deduct	*-2.61*	
		For >50 To 200, Deduct	*-5.22*	
		For >200, Deduct	*-7.83*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*8.33*	
		For Level 1 Biohazard Cleaning, Deduct	*-5.22*	
		For Level 3 Biohazard Cleaning, Add	*8.61*	
02 87 19 00-0084	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	21.30	
		For Cleaning Surfaces With Goldshield® GS5, Add	*8.33*	
		For >5 To 10, Deduct	*-1.06*	
		For >10 To 50, Deduct	*-2.13*	
		For >50, Deduct	*-4.26*	
		For Level 1 Biohazard Cleaning, Deduct	*-4.26*	
		For Level 3 Biohazard Cleaning, Add	*7.02*	
02 87 19 00-0085	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	27.03	
		For >25 To 50, Deduct	*-2.70*	
		For >50 To 200, Deduct	*-5.40*	
		For >200, Deduct	*-8.10*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*8.33*	
		For Level 1 Biohazard Cleaning, Deduct	*-5.40*	
		For Level 3 Biohazard Cleaning, Add	*8.91*	
02 87 19 00-0086		**Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** *(02 87 19 00-0077)* Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0087	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	50.47	
		For Level 1 Biohazard Cleaning, Deduct	*-10.09*	
		For Level 3 Biohazard Cleaning, Add	*16.65*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*4.16*	
02 87 19 00-0088	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	23.16	
		For Level 1 Biohazard Cleaning, Deduct	*-4.63*	
		For Level 3 Biohazard Cleaning, Add	*7.64*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*2.78*	
02 87 19 00-0089	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	81.29	
		For Level 1 Biohazard Cleaning, Deduct	*-16.25*	
		For Level 3 Biohazard Cleaning, Add	*26.82*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*4.16*	
02 87 19 00-0090	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	5.01	
		For Level 1 Biohazard Cleaning, Deduct	*-1.00*	
		For Level 3 Biohazard Cleaning, Add	*1.65*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*0.83*	
02 87 19 00-0091	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	74.94	
		For Level 1 Biohazard Cleaning, Deduct	*-14.98*	
		For Level 3 Biohazard Cleaning, Add	*24.72*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*4.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0092	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	8.01	
		For Level 1 Biohazard Cleaning, Deduct	*-1.60*	
		For Level 3 Biohazard Cleaning, Add	*2.64*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*0.83*	

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

02 87 19 00-0094	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	2.95	
		For Level 1 Biohazard Cleaning, Deduct	*-0.59*	
		For Level 3 Biohazard Cleaning, Add	*0.97*	
02 87 19 00-0095	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	3.68	
		For Level 1 Biohazard Cleaning, Deduct	*-0.73*	
		For Level 3 Biohazard Cleaning, Add	*1.20*	
02 87 19 00-0096	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.95	
		For Level 1 Biohazard Cleaning, Deduct	*-0.98*	
		For Level 3 Biohazard Cleaning, Add	*1.61*	
02 87 19 00-0097	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.99	
		For Level 1 Biohazard Cleaning, Deduct	*-1.37*	
		For Level 3 Biohazard Cleaning, Add	*2.26*	
02 87 19 00-0098	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	131.69	
		For Level 1 Biohazard Cleaning, Deduct	*-26.33*	
		For Level 3 Biohazard Cleaning, Add	*43.45*	
02 87 19 00-0099	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	9.16	
		For Level 1 Biohazard Cleaning, Deduct	*-1.83*	
		For Level 3 Biohazard Cleaning, Add	*3.02*	
02 87 19 00-0100	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	87.80	
		For Level 1 Biohazard Cleaning, Deduct	*-17.56*	
		For Level 3 Biohazard Cleaning, Add	*28.97*	
02 87 19 00-0101	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	263.36	
		For Level 1 Biohazard Cleaning, Deduct	*-52.67*	
		For Level 3 Biohazard Cleaning, Add	*86.90*	
02 87 19 00-0102	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation.	21.96	
		For Level 1 Biohazard Cleaning, Deduct	*-4.39*	
		For Level 3 Biohazard Cleaning, Add	*7.24*	
02 87 19 00-0103	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.40	
		For Level 1 Biohazard Cleaning, Deduct	*-0.07*	
		For Level 3 Biohazard Cleaning, Add	*0.12*	
02 87 19 00-0104	SF	Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.44	
		For Level 1 Biohazard Cleaning, Deduct	*-0.07*	
		For Level 3 Biohazard Cleaning, Add	*0.12*	

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

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

02 87 19 00-0106	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	130.76
02 87 19 00-0107	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	556.94
02 87 19 00-0108	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,559.45
02 87 19 00-0109	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	89.25
02 87 19 00-0110	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	245.44
02 87 19 00-0111	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	669.38
02 87 19 00-0112	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	28.35
02 87 19 00-0113	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	77.97
02 87 19 00-0114	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	212.64
02 87 19 00-0115	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	62.85
02 87 19 00-0116	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	258.13
02 87 19 00-0117	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	780.00
02 87 19 00-0118	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up Note: Required if over 800 hours operation.	159.82
02 87 19 00-0119	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	282.60
02 87 19 00-0120	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	565.19
02 87 19 00-0121	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,130.39
02 87 19 00-0122	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	376.80
02 87 19 00-0123	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	753.59
02 87 19 00-0124	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,507.18
02 87 19 00-0125	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	560.40
02 87 19 00-0126	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,120.80
02 87 19 00-0127	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,241.60
02 87 19 00-0128	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	747.20
02 87 19 00-0129	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,494.40
02 87 19 00-0130	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,988.80
02 87 19 00-0131	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	934.00
02 87 19 00-0132	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,868.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0133	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,736.00	
02 87 19 00-0134	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	80.71	
02 87 19 00-0135	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	161.43	
02 87 19 00-0136	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	484.27	
02 87 19 00-0137	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	968.54	
02 87 19 00-0138	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,614.24	
02 87 19 00-0139	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	61.79	
02 87 19 00-0140	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	169.94	
02 87 19 00-0141	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	463.46	

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

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

02 87 19 00-0143	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	78.26	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*0.98*	
02 87 19 00-0144	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up Note: Each first 15 miles per trip	113.68	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.42*	
02 87 19 00-0145	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	117.16	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.46*	
02 87 19 00-0146	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	122.07	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.53*	

02 87 19 00-0147 Bio-Hazard And Infectious Disease Control Disposal *(02 87 19)*

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

02 87 19 00-0148	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	57.96	

02 87 19 00-0149 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters *(02 87 19)*

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0150	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	25,952.77	
02 87 19 00-0151	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	2,494.92	
02 87 19 00-0152	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	4,128.10	
02 87 19 00-0153	SF	Sub Flooring For Medical Shelter (AKS-AB846)	3.86	
02 87 19 00-0154	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	1,133.07	
02 87 19 00-0155	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	18,558.38	
02 87 19 00-0156	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	646.86	
02 87 19 00-0157	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	29,210.59	
02 87 19 00-0158	EA	6' Step Ladder (AKS-AC595)	176.45	
02 87 19 00-0159	EA	10 Lbs Sledgehammer (AKS-AA268)	53.30	

02 87 19 00-0160 Bio-Hazard And Infectious Disease Time And Material Tasks *(02 87 19)*

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

02 87 19 00-0161 Bio-Hazard And Infectious Disease Control Labor *(02 87 19 00-0160)*

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

02 87 19 00-0162	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	81.94	
02 87 19 00-0163	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	90.22	
02 87 19 00-0164	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	100.05	
02 87 19 00-0165	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	120.30	
02 87 19 00-0166	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	132.30	

02 87 19 00-0167 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment *(02 87 19 00-0160)*

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

02 87 19 00-0168	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	9.39	
02 87 19 00-0169	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.36	
02 87 19 00-0170	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	9.96	
02 87 19 00-0171	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	71.93	
02 87 19 00-0172	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	32.79	
02 87 19 00-0173	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	219.45	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0174	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	30.00	
02 87 19 00-0175	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	54.50	
02 87 19 00-0176	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	17.01	
02 87 19 00-0177	EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	14.53	
02 87 19 00-0178	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (AfI), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	1,466.85	

02 87 19 00-0179 Bio-Hazard And Infectious Disease Control Expendables *(02 87 19 00-0160)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0023 for temporary walls.

02 87 19 00-0180	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	9.15	
02 87 19 00-0181	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	2.41	
02 87 19 00-0182	GAL	Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up	89.63	
02 87 19 00-0183	GAL	Goldshield® GS5 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	199.88	
02 87 19 00-0184	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up	9.50	
02 87 19 00-0185	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	4.48	
02 87 19 00-0186	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	11.67	
02 87 19 00-0187	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	43.67	
02 87 19 00-0188	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	47.02	
02 87 19 00-0189	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	6.93	
02 87 19 00-0190	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up	13.99	
02 87 19 00-0191	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	144.73	

02 89 Hazmat Ancillary Tasks And Support *(02 80)*

02 89 00 00-0001 Barriers And Protection *(02 89)*

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers *(02 89 00 00-0001)*

See CSI section 01 56 16 00-0023 for temporary stud walls.

02 89 00 00-0003 Type C Supplied Air System *(02 89 00 00-0001)*

Note: Includes mobilization, setup, maintenance and removal of equipment. For owner / site inspection use.

02 89 00 00-0004	EA	Type C Supplied Air System	514.68	

02 89 00 00-0005 Hazmat Containment Construction *(02 89 00 00-0001)*

02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.39	
02 89 00 00-0007	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.51	
02 89 00 00-0008	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.70	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction	0.44	
02 89 00 00-0010	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.55	
02 89 00 00-0011	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.72	

02 89 00 00-0012 Decontamination Chambers *(02 89)*

Note: Includes removal after use.

02 89 00 00-0013	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	605.35	
02 89 00 00-0014	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	714.05	
02 89 00 00-0015	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	374.29	
		For Dismantling And Relocation To A Different Area, Add	*245.97*	

02 90 Disaster Recovery *(02)*

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

02 90 50 Cleaning And Emergency Clean-up *(02 90)*

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal *(02 90 50)*

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Emergency Clean-up	7.92	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Emergency Clean-up	1.93	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Emergency Clean-up	0.16	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Emergency Clean-up	0.19	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Emergency Clean-up	0.19	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Emergency Clean-up	0.29	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0008		**Cleaning** *(02 90 50)* Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009		**Clean Furnishings** *(02 90 50 00-0008)*		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Emergency Clean-up	26.79	
		For Medium Clean, Add	*11.25*	
		For Heavy Clean, Add	*34.83*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Emergency Clean-up	1.49	
		For Medium Clean, Add	*0.63*	
		For Heavy Clean, Add	*1.94*	
02 90 50 00-0012	LF	Shelving, Light Clean For Emergency Clean-up	2.68	
		For Medium Clean, Add	*1.13*	
		For Heavy Clean, Add	*3.48*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Emergency Clean-up	7.74	
		For Medium Clean, Add	*3.25*	
		For Heavy Clean, Add	*10.06*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Emergency Clean-up	25.01	
		For Medium Clean, Add	*10.50*	
		For Heavy Clean, Add	*32.51*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Emergency Clean-up	154.24	
		For Medium Clean, Add	*64.78*	
		For Heavy Clean, Add	*200.51*	
02 90 50 00-0016	EA	Desk, Light Clean For Emergency Clean-up	31.56	
		For Medium Clean, Add	*13.26*	
		For Heavy Clean, Add	*41.03*	
02 90 50 00-0017	EA	Table, Light Clean For Emergency Clean-up	29.78	
		For Medium Clean, Add	*12.51*	
		For Heavy Clean, Add	*38.71*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Emergency Clean-up	6.53	
		For Medium Clean, Add	*2.74*	
		For Heavy Clean, Add	*8.49*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Emergency Clean-up	8.36	
		For Medium Clean, Add	*3.51*	
		For Heavy Clean, Add	*10.87*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up	6.85	
		For Medium Clean, Add	*2.88*	
		For Heavy Clean, Add	*8.91*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up	13.40	
		For Medium Clean, Add	*5.63*	
		For Heavy Clean, Add	*17.42*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up	6.85	
		For Medium Clean, Add	*2.88*	
		For Heavy Clean, Add	*8.91*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up	11.92	
		For Medium Clean, Add	*5.01*	
		For Heavy Clean, Add	*15.50*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Emergency Clean-up	2.86	
		For Medium Clean, Add	*1.20*	
		For Heavy Clean, Add	*3.72*	
02 90 50 00-0025		**Clean Hard Surfaces** *(02 90 50 00-0008)*		
02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Emergency Clean-up	0.39	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.51*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Emergency Clean-up	5.07	
		For Medium Clean, Add	*2.13*	
		For Heavy Clean, Add	*6.59*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Emergency Clean-up	5.75	
		For Medium Clean, Add	*2.42*	
		For Heavy Clean, Add	*7.48*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Emergency Clean-up	0.40	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.52*	
02 90 50 00-0030	SF	Mirror, Light Clean For Emergency Clean-up	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0031	SF	Window, Light Clean For Emergency Clean-up	0.88	
		For Medium Clean, Add	*0.37*	
		For Heavy Clean, Add	*1.14*	
02 90 50 00-0032	LF	Handrail, Light Clean For Emergency Clean-up	0.78	
		For Medium Clean, Add	*0.33*	
		For Heavy Clean, Add	*1.01*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Emergency Clean-up	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Emergency Clean-up	0.35	
		For Medium Clean, Add	*0.15*	
		For Heavy Clean, Add	*0.46*	
02 90 50 00-0035	SF	Carpet, Light Clean For Emergency Clean-up	0.36	
		For Medium Clean, Add	*0.15*	
		For Heavy Clean, Add	*0.47*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Emergency Clean-up	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Emergency Clean-up	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Emergency Clean-up	0.25	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.33*	
02 90 50 00-0039	SF	Wall, Light Clean For Emergency Clean-up	0.18	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.23*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Emergency Clean-up	0.25	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.33*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up Note: Includes removal from site, cleaning, and return.	62.81	
		For Medium Clean, Add	*26.38*	
		For Heavy Clean, Add	*81.65*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up Note: Includes removal from site, cleaning, and return.	78.50	
		For Medium Clean, Add	*32.97*	
		For Heavy Clean, Add	*102.05*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up Note: Includes removal from site, cleaning, and return.	94.20	
		For Medium Clean, Add	*39.56*	
		For Heavy Clean, Add	*122.46*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up	109.91	
		For Medium Clean, Add	*46.16*	
		For Heavy Clean, Add	*142.88*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Emergency Clean-up	0.68	
		For Medium Clean, Add	*0.29*	
		For Heavy Clean, Add	*0.88*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Emergency Clean-up	1.39	
		For Medium Clean, Add	*0.58*	
		For Heavy Clean, Add	*1.81*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up	1.60	
		For Medium Clean, Add	*0.67*	
		For Heavy Clean, Add	*2.08*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Emergency Clean-up	1.47	
		For Medium Clean, Add	*0.62*	
		For Heavy Clean, Add	*1.91*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up	1.69	
		For Medium Clean, Add	*0.71*	
		For Heavy Clean, Add	*2.20*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Emergency Clean-up	1.79	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.33*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up	2.07	
		For Medium Clean, Add	*0.87*	
		For Heavy Clean, Add	*2.69*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Emergency Clean-up	12.34	
		For Medium Clean, Add	*5.18*	
		For Heavy Clean, Add	*16.04*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Emergency Clean-up	29.07	
		For Medium Clean, Add	*12.21*	
		For Heavy Clean, Add	*37.79*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Emergency Clean-up	25.12	
		For Medium Clean, Add	*10.55*	
		For Heavy Clean, Add	*32.66*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Emergency Clean-up	17.86	
		For Medium Clean, Add	*7.50*	
		For Heavy Clean, Add	*23.22*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Emergency Clean-up	18.04	
		For Medium Clean, Add	*7.58*	
		For Heavy Clean, Add	*23.45*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Emergency Clean-up	8.27	
		For Medium Clean, Add	*3.47*	
		For Heavy Clean, Add	*10.75*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Emergency Clean-up	5.33	
		For Medium Clean, Add	*2.24*	
		For Heavy Clean, Add	*6.93*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Emergency Clean-up	14.89	
		For Medium Clean, Add	*6.25*	
		For Heavy Clean, Add	*19.36*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Emergency Clean-up	57.17	
		For Medium Clean, Add	*24.01*	
		For Heavy Clean, Add	*74.32*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0065	EA	Grille/Register, Light Clean For Emergency Clean-up	5.36	
		For Medium Clean, Add	*2.25*	
		For Heavy Clean, Add	*6.97*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Emergency Clean-up	37.13	
		For Medium Clean, Add	*15.59*	
		For Heavy Clean, Add	*48.27*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Emergency Clean-up	33.05	
		For Medium Clean, Add	*13.88*	
		For Heavy Clean, Add	*42.97*	

02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

02 90 50 00-0069	EA	Electric Fan, Light Clean For Emergency Clean-up	22.04	
		For Medium Clean, Add	*9.26*	
		For Heavy Clean, Add	*28.65*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Emergency Clean-up	23.82	
		For Medium Clean, Add	*10.00*	
		For Heavy Clean, Add	*30.97*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Emergency Clean-up	30.97	
		For Medium Clean, Add	*13.01*	
		For Heavy Clean, Add	*40.26*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Emergency Clean-up	21.74	
		For Medium Clean, Add	*9.13*	
		For Heavy Clean, Add	*28.26*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Emergency Clean-up	14.29	
		For Medium Clean, Add	*6.00*	
		For Heavy Clean, Add	*18.58*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Emergency Clean-up	6.55	
		For Medium Clean, Add	*2.75*	
		For Heavy Clean, Add	*8.52*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Emergency Clean-up	5.07	
		For Medium Clean, Add	*2.13*	
		For Heavy Clean, Add	*6.59*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Emergency Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Emergency Clean-up	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Emergency Clean-up	0.21	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Emergency Clean-up	0.26	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Emergency Clean-up	0.47	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Emergency Clean-up	125.42	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Emergency Clean-up	166.33	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Emergency Clean-up	138.52	

02 90 50 00-0086 Emergency Clean-up Labor *(02 90 50)*

Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0087	HR	Skilled Tradesman For Emergency Clean Up	60.00	
02 90 50 00-0088	HR	Restoration / Document Laborer For Emergency Clean Up	42.00	
		For 1.5 Time, Add	*21.00*	
		For 2.0 Time, Add	*42.00*	
02 90 50 00-0089	HR	Restoration / Document Supervisor For Emergency Clean Up	57.75	
		For 1.5 Time, Add	*28.88*	
		For 2.0 Time, Add	*57.75*	
02 90 50 00-0090	HR	Restoration / Document Project Manager For Emergency Clean Up	94.50	
		For 1.5 Time, Add	*47.25*	
		For 2.0 Time, Add	*94.50*	
02 90 50 00-0091	HR	Assistant Project Manager For Emergency Clean Up	78.75	
02 90 50 00-0092	HR	Senior Project Manager For Emergency Clean Up	110.25	
02 90 50 00-0093	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	157.50	
02 90 50 00-0094	HR	Equipment Technician For Emergency Clean Up	115.50	
02 90 50 00-0095	HR	Mold Remediation Laborer For Emergency Clean Up	57.50	
02 90 50 00-0096	HR	Mold Remediation Supervisor For Emergency Clean Up	78.75	
02 90 50 00-0097	HR	Administrative Personnel For Emergency Clean Up	36.75	
02 90 50 00-0098	HR	Project Accountant For Emergency Clean Up	60.00	
02 90 50 00-0099	HR	Biohazard Technician For Emergency Clean Up	83.38	
02 90 50 00-0100	HR	Biohazard Supervisor For Emergency Clean Up	100.25	
02 90 50 00-0101	HR	Health And Safety Officer For Emergency Clean Up	90.00	
		For 1.5 Time, Add	*45.00*	
		For 2.0 Time, Add	*90.00*	
02 90 50 00-0102	HR	Resource And Logistics Coordinator For Emergency Clean Up	65.00	
		For 1.5 Time, Add	*32.50*	
		For 2.0 Time, Add	*65.00*	
02 90 50 00-0103	HR	Loss Control Specialist For Emergency Clean Up	63.00	
02 90 50 00-0104	HR	Moisture Control Specialist For Emergency Clean Up	52.00	
02 90 50 00-0105	HR	Mobilzation Support For Emergency Clean Up	32.00	

02 90 50 00-0106 Emergency Clean-up Equipment *(02 90 50)*

Note: Used in the performance of time and material projects. Used in the performance of time and material

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0107		General Emergency Clean-up Equipment *(02 90 50 00-0106)*		
02 90 50 00-0108	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	130.76	
02 90 50 00-0109	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	498.83	
02 90 50 00-0110	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,365.73	
02 90 50 00-0111	DAY	13" Floor Buffer Rental For Emergency Clean-up	34.02	
02 90 50 00-0112	WK	13" Floor Buffer Rental For Emergency Clean-up	95.54	
02 90 50 00-0113	MO	13" Floor Buffer Rental For Emergency Clean-up	263.76	
02 90 50 00-0114	DAY	17" Floor Buffer Rental For Emergency Clean-up	65.94	
02 90 50 00-0115	WK	17" Floor Buffer Rental For Emergency Clean-up	168.21	
02 90 50 00-0116	MO	17" Floor Buffer Rental For Emergency Clean-up	396.98	
02 90 50 00-0117	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	363.34	
02 90 50 00-0118	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	975.63	
02 90 50 00-0119	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,718.31	
02 90 50 00-0120	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	820.88	
02 90 50 00-0121	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,166.58	
02 90 50 00-0122	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,840.34	
02 90 50 00-0123	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	59.21	
02 90 50 00-0124	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	168.21	
02 90 50 00-0125	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	578.65	
02 90 50 00-0126	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	55.17	
02 90 50 00-0127	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	148.03	
02 90 50 00-0128	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	383.52	
02 90 50 00-0129	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	88.28	
02 90 50 00-0130	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	251.92	
02 90 50 00-0131	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	704.07	
02 90 50 00-0132	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	554.15	
02 90 50 00-0133	WK	Truck Mounted Extractor Rental For Emergency Clean-up	1,662.46	
02 90 50 00-0134	MO	Truck Mounted Extractor Rental For Emergency Clean-up	4,987.37	
02 90 50 00-0135	DAY	16" Chain Saw Rental For Emergency Clean-up	64.59	
02 90 50 00-0136	WK	16" Chain Saw Rental For Emergency Clean-up	145.34	
02 90 50 00-0137	MO	16" Chain Saw Rental For Emergency Clean-up	387.56	
02 90 50 00-0138	DAY	20" Chain Saw Rental For Emergency Clean-up	80.74	
02 90 50 00-0139	WK	20" Chain Saw Rental For Emergency Clean-up	181.67	
02 90 50 00-0140	MO	20" Chain Saw Rental For Emergency Clean-up	484.45	
02 90 50 00-0141	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	60.56	
02 90 50 00-0142	DAY	14" Electric Cut Off Saw Rental For Emergency Clean-up	86.12	
02 90 50 00-0143	WK	14" Electric Cut Off Saw Rental For Emergency Clean-up	235.50	
02 90 50 00-0144	MO	14" Electric Cut Off Saw Rental For Emergency Clean-up	659.39	
02 90 50 00-0145	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	104.96	
02 90 50 00-0146	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	356.61	
02 90 50 00-0147	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	679.58	
02 90 50 00-0148	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	96.40	
02 90 50 00-0149	DAY	Extension Cords - 220 Volt For Emergency Clean-up	33.64	
02 90 50 00-0150	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	20.19	
02 90 50 00-0151	DAY	Demolition Cart, 7 Yard For Emergency Clean-up	51.03	
02 90 50 00-0152	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	100.93	
02 90 50 00-0153	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,089.83	
02 90 50 00-0154	DAY	Fogger - Mist For Emergency Clean-up	28.35	
02 90 50 00-0155	DAY	Fogger - Electric Thermal For Emergency Clean-up	40.83	
02 90 50 00-0156	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	109.67	
02 90 50 00-0157	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	135.01	
02 90 50 00-0158	DAY	Hand Trucks/Dollies For Emergency Clean-up	16.15	
02 90 50 00-0159	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	83.96	
02 90 50 00-0160	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	118.81	
02 90 50 00-0161	DAY	Ladder For Emergency Clean-up	22.88	
02 90 50 00-0162	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	20.41	
02 90 50 00-0163	DAY	Lights - Wobble For Emergency Clean-up	24.95	
02 90 50 00-0164	DAY	Moisture Meter For Emergency Clean-up	34.02	
02 90 50 00-0165	DAY	Nail Gun For Emergency Clean-up	60.56	
02 90 50 00-0166	DAY	Ozone Generator For Emergency Clean-up	141.76	
02 90 50 00-0167	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	80.74	
02 90 50 00-0168	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	113.41	
02 90 50 00-0169	DAY	Pressure Washer, Hot For Emergency Clean-up	170.12	
02 90 50 00-0170	DAY	Pressure Washer, Cold For Emergency Clean-up	113.41	
02 90 50 00-0171	DAY	Scaffolding - Per Section For Emergency Clean-up	87.47	
02 90 50 00-0172	DAY	Small Tools - Tool Box For Emergency Clean-up	33.64	
02 90 50 00-0173	DAY	Soda Blasting Equipment For Emergency Clean-up	1,081.44	
02 90 50 00-0174	DAY	Sprayer - Hudson For Emergency Clean-up	10.77	
02 90 50 00-0175	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	91.24	
02 90 50 00-0176	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	2.61	
02 90 50 00-0177	DAY	Submersible Pump For Emergency Clean-up	28.35	
02 90 50 00-0178	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	155.61	
02 90 50 00-0179	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	77.25	
02 90 50 00-0180	DAY	Vehicle, Van For Emergency Clean-up	125.94	
02 90 50 00-0181	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	152.32	
02 90 50 00-0182	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	167.37	
02 90 50 00-0183	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	139.38	
02 90 50 00-0184	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	628.60	
02 90 50 00-0185	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	28.35	
02 90 50 00-0186	DAY	Vacuum - Shop Vacuum For Emergency Clean-up	28.35	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0187	DAY	Vacuum - Commercial For Emergency Clean-up	85.06	
02 90 50 00-0188	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	96.40	
02 90 50 00-0189	DAY	Vacuum - Upright For Emergency Clean-up	18.47	
02 90 50 00-0190	DAY	Zip Walls (Per 2 Poles) For Emergency Clean-up	28.35	
02 90 50 00-0191	DAY	2 Way Radio For Emergency Clean-up	22.68	

02 90 50 00-0192 Technical/Electronics Restoration Equipment *(02 90 50 00-0106)*

02 90 50 00-0193	DAY	Computer - Diagnostic For Emergency Clean-up	33.64	
02 90 50 00-0194	WK	Computer - Diagnostic For Emergency Clean-up	92.52	
02 90 50 00-0195	MO	Computer - Diagnostic For Emergency Clean-up	252.32	
02 90 50 00-0196	DAY	Convection Oven - Large For Emergency Clean-up	488.66	
02 90 50 00-0197	WK	Convection Oven - Large For Emergency Clean-up	1,343.82	
02 90 50 00-0198	MO	Convection Oven - Large For Emergency Clean-up	3,664.96	
02 90 50 00-0199	DAY	Convection Oven - Small For Emergency Clean-up	121.11	
02 90 50 00-0200	WK	Convection Oven - Small For Emergency Clean-up	333.06	
02 90 50 00-0201	MO	Convection Oven - Small For Emergency Clean-up	908.35	
02 90 50 00-0202	DAY	Convection Oven - Vacuum For Emergency Clean-up	697.45	
02 90 50 00-0203	WK	Convection Oven - Vacuum For Emergency Clean-up	1,917.98	
02 90 50 00-0204	MO	Convection Oven - Vacuum For Emergency Clean-up	5,230.86	
02 90 50 00-0205	DAY	Decontamination Booth For Emergency Clean-up	576.54	
02 90 50 00-0206	WK	Decontamination Booth For Emergency Clean-up	1,585.49	
02 90 50 00-0207	MO	Decontamination Booth For Emergency Clean-up	4,324.07	
02 90 50 00-0208	DAY	DI Water System For Emergency Clean-up	44.78	
02 90 50 00-0209	WK	DI Water System For Emergency Clean-up	123.14	
02 90 50 00-0210	MO	DI Water System For Emergency Clean-up	335.85	
02 90 50 00-0211	DAY	ESD Bench Workstation For Emergency Clean-up	27.43	
02 90 50 00-0212	WK	ESD Bench Workstation For Emergency Clean-up	75.43	
02 90 50 00-0213	MO	ESD Bench Workstation For Emergency Clean-up	205.71	
02 90 50 00-0214	DAY	Heater/Enclosure Control System For Emergency Clean-up	20.19	
02 90 50 00-0215	WK	Heater/Enclosure Control System For Emergency Clean-up	55.51	
02 90 50 00-0216	MO	Heater/Enclosure Control System For Emergency Clean-up	151.39	
02 90 50 00-0217	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	70.53	
02 90 50 00-0218	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	193.95	
02 90 50 00-0219	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	528.96	
02 90 50 00-0220	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	302.78	
02 90 50 00-0221	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	832.65	
02 90 50 00-0222	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,270.87	
02 90 50 00-0223	DAY	Mobile Laboratory For Emergency Clean-up	841.06	
02 90 50 00-0224	WK	Mobile Laboratory For Emergency Clean-up	2,312.92	
02 90 50 00-0225	MO	Mobile Laboratory For Emergency Clean-up	6,307.97	
02 90 50 00-0226	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	16.15	
02 90 50 00-0227	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	44.41	
02 90 50 00-0228	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	121.11	
02 90 50 00-0229	DAY	Odell Cleaning Station For Emergency Clean-up	471.00	
02 90 50 00-0230	WK	Odell Cleaning Station For Emergency Clean-up	1,295.24	
02 90 50 00-0231	MO	Odell Cleaning Station For Emergency Clean-up	3,532.46	
02 90 50 00-0232	DAY	Parts Washer For Emergency Clean-up	33.64	
02 90 50 00-0233	WK	Parts Washer For Emergency Clean-up	92.52	
02 90 50 00-0234	MO	Parts Washer For Emergency Clean-up	252.32	
02 90 50 00-0235	DAY	Ultrasonic Cleaning System For Emergency Clean-up	209.91	
02 90 50 00-0236	WK	Ultrasonic Cleaning System For Emergency Clean-up	577.24	
02 90 50 00-0237	MO	Ultrasonic Cleaning System For Emergency Clean-up	1,574.30	
02 90 50 00-0238	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	89.25	
02 90 50 00-0239	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	245.44	
02 90 50 00-0240	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	669.38	

02 90 50 00-0241 Drying/Dehumidification Equipment *(02 90 50 00-0106)*

02 90 50 00-0242	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	141.76	
02 90 50 00-0243	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	389.85	
02 90 50 00-0244	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	1,063.22	
02 90 50 00-0245	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	55.12	
02 90 50 00-0246	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	151.59	
02 90 50 00-0247	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	413.43	
02 90 50 00-0248	DAY	Injectidry System For Emergency Clean-up	175.79	
02 90 50 00-0249	WK	Injectidry System For Emergency Clean-up	483.41	
02 90 50 00-0250	MO	Injectidry System For Emergency Clean-up	1,318.40	
02 90 50 00-0251	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	113.41	
02 90 50 00-0252	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	311.88	
02 90 50 00-0253	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	850.58	
02 90 50 00-0254	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	168.21	
02 90 50 00-0255	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	462.58	
02 90 50 00-0256	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,261.59	
02 90 50 00-0257	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	156.61	
02 90 50 00-0258	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	430.69	
02 90 50 00-0259	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,174.61	
02 90 50 00-0260	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	167.42	
02 90 50 00-0261	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	460.39	
02 90 50 00-0262	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,255.62	
02 90 50 00-0263	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	167.42	
02 90 50 00-0264	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	460.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0265	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,255.62	
02 90 50 00-0266	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	189.02	
02 90 50 00-0267	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	519.80	
02 90 50 00-0268	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,417.63	
02 90 50 00-0269	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	396.94	
02 90 50 00-0270	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,091.58	
02 90 50 00-0271	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	2,977.03	
02 90 50 00-0272	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	680.46	
02 90 50 00-0273	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	1,871.27	
02 90 50 00-0274	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	5,103.47	
02 90 50 00-0275	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,047.70	
02 90 50 00-0276	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	2,881.17	
02 90 50 00-0277	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	7,857.73	
02 90 50 00-0278	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,047.70	
02 90 50 00-0279	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	2,881.17	
02 90 50 00-0280	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	7,857.73	
02 90 50 00-0281	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,094.14	
02 90 50 00-0282	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,008.89	
02 90 50 00-0283	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	8,206.06	
02 90 50 00-0284	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,360.93	
02 90 50 00-0285	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	3,742.55	
02 90 50 00-0286	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	10,206.94	
02 90 50 00-0287	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,531.04	
02 90 50 00-0288	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	4,210.36	
02 90 50 00-0289	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	11,482.81	
02 90 50 00-0290	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	1,644.45	
02 90 50 00-0291	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	4,522.24	
02 90 50 00-0292	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	12,333.39	
02 90 50 00-0293	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,160.20	
02 90 50 00-0294	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	5,940.55	
02 90 50 00-0295	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	16,201.50	
02 90 50 00-0296	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,268.21	
02 90 50 00-0297	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	6,237.58	
02 90 50 00-0298	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	17,011.58	
02 90 50 00-0299	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	368.58	
02 90 50 00-0300	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,013.61	
02 90 50 00-0301	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,764.38	
02 90 50 00-0302	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	510.35	
02 90 50 00-0303	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,403.45	
02 90 50 00-0304	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,827.60	
02 90 50 00-0305	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	680.46	
02 90 50 00-0306	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,871.27	
02 90 50 00-0307	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,103.47	
02 90 50 00-0308	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	907.28	
02 90 50 00-0309	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,495.03	
02 90 50 00-0310	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,804.63	
02 90 50 00-0311	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,531.04	
02 90 50 00-0312	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,210.36	
02 90 50 00-0313	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	11,482.81	
02 90 50 00-0314	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,701.16	
02 90 50 00-0315	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,678.18	
02 90 50 00-0316	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	12,758.68	
02 90 50 00-0317	DAY	25' Flex Duct For Emergency Clean-up	22.68	
02 90 50 00-0318	WK	25' Flex Duct For Emergency Clean-up	62.38	
02 90 50 00-0319	MO	25' Flex Duct For Emergency Clean-up	170.12	
02 90 50 00-0320	DAY	Hygrothermograph For Emergency Clean-up	33.64	
02 90 50 00-0321	WK	Hygrothermograph For Emergency Clean-up	92.52	
02 90 50 00-0322	MO	Hygrothermograph For Emergency Clean-up	252.32	
02 90 50 00-0323	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	5,331.05	
02 90 50 00-0324	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	14,660.38	
02 90 50 00-0325	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	39,982.85	

02 90 50 00-0326 Power Equipment *(02 90 50 00-0106)*

02 90 50 00-0327	WK	Up to 65 KVA Generator For Emergency Clean-up	702.06	
02 90 50 00-0328	WK	>65 to 125 KVA Generator For Emergency Clean-up	1,188.11	
02 90 50 00-0329	WK	>125 to 250 KVA Generator For Emergency Clean-up	1,157.60	
02 90 50 00-0330	WK	>250 to 375 KVA Generator For Emergency Clean-up	1,998.18	
02 90 50 00-0331	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	2,700.25	
02 90 50 00-0332	WK	>440 to 625 KVA Generator For Emergency Clean-up	4,061.75	
02 90 50 00-0333	WK	>625 to 800 KVA Generator For Emergency Clean-up	4,158.38	
02 90 50 00-0334	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	5,562.52	
02 90 50 00-0335	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	8,370.78	
02 90 50 00-0336	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	18.15	
02 90 50 00-0337	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	86.95	
02 90 50 00-0338	EA	Electrical Distribution Panel For Emergency Clean-up	209.91	
02 90 50 00-0339	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	32.67	
02 90 50 00-0340	EA	50' Power Cord For Spider Box For Emergency Clean-up	30.24	
02 90 50 00-0341	EA	Pig Tails (Per Each) For Emergency Clean-up	3.36	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 90 50 00-0342 Freight Charges *(02 90 50 00-0106)*

02 90 50 00-0343	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	1.68	
02 90 50 00-0344	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.03	
02 90 50 00-0345	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.03	
02 90 50 00-0346	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	4.37	

02 90 50 00-0347 Emergency Clean-up Personal Protection Equipment *(02 90 50)*

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0348	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	9.39	
02 90 50 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	32.79	
02 90 50 00-0350	BOX	Dust Mask For Emergency Clean-up Personal Protection Equipment	36.56	
02 90 50 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	2.52	
02 90 50 00-0352	BOX	5 Mil, Disposable Latex Gloves For Emergency Clean-up Personal Protection Equipment, Box of 100	17.01	
02 90 50 00-0353	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	8.51	
02 90 50 00-0354	EA	Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	14.53	
02 90 50 00-0355	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	9.96	
02 90 50 00-0356	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	71.93	
02 90 50 00-0357	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	4.36	
02 90 50 00-0358	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	5.67	

02 90 50 00-0359 Emergency Clean-up Expendables *(02 90 50)*

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0360 General Materials *(02 90 50 00-0359)*

02 90 50 00-0361	GAL	Adhesive Remover For Emergency Clean-up	85.06	
02 90 50 00-0362	GAL	Bio-HS For Emergency Clean-up	28.68	
02 90 50 00-0363	GAL	Biocide For Emergency Clean-up	36.59	
02 90 50 00-0364	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.48	
02 90 50 00-0365	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.80	
02 90 50 00-0366	GAL	Bleach For Emergency Clean-up	9.15	
02 90 50 00-0367	EA	Small Stainless Brush For Emergency Clean-up	5.60	
02 90 50 00-0368	EA	2-1/2 Gallon Buckets For Emergency Clean-up	7.11	
02 90 50 00-0369	EA	5 Gallon Bucket For Emergency Clean-up	10.77	
02 90 50 00-0370	GAL	Carpet Defoamer For Emergency Clean-up	27.69	
02 90 50 00-0371	GAL	Carpet Pre-treat For Emergency Clean-up	20.71	
02 90 50 00-0372	GAL	Carpet Spotter For Emergency Clean-up	34.70	
02 90 50 00-0373	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	27.99	
02 90 50 00-0374	ROL	Carpet Masking/Shield For Emergency Clean-up	77.64	
02 90 50 00-0375	EA	Chemical Sponge For Emergency Clean-up	3.35	
02 90 50 00-0376	GAL	Clear Seal For Emergency Clean-up	114.36	
02 90 50 00-0377	GAL	Coil Cleaner For Emergency Clean-up	53.46	
02 90 50 00-0378	EA	Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment	39.28	
02 90 50 00-0379	EA	Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment	17.37	
02 90 50 00-0380	EA	Decontamination Chamber For Emergency Clean-up	232.49	
02 90 50 00-0381	GAL	All Purpose Degreaser For Emergency Clean-up	37.43	
02 90 50 00-0382	GAL	Heavy Duty Degreaser For Emergency Clean-up	45.08	
02 90 50 00-0383	GAL	De-Foamer Liquid For Emergency Clean-up	49.19	
02 90 50 00-0384	EA	Deodorization Membrane For Emergency Clean-up	96.43	
02 90 50 00-0385	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	147.03	
02 90 50 00-0386	LB	Deodorizing Gel For Emergency Clean-up	34.54	
02 90 50 00-0387	GAL	Deodorizing Liquid For Emergency Clean-up	51.14	
02 90 50 00-0388	PAIL	Deodorizing Block For Emergency Clean-up	8.68	
02 90 50 00-0389	GAL	Disinfectant/Antimicrobial For Emergency Clean-up	89.63	
02 90 50 00-0390	GAL	BruClean Disinfectant For Emergency Clean-up	27.22	
02 90 50 00-0391	GAL	Dryclean For Emergency Clean-up	40.18	
02 90 50 00-0392	GAL	Duct Sealant Spray For Emergency Clean-up	60.56	
02 90 50 00-0393	GAL	Antifungal Duct Sealant For Emergency Clean-up	87.47	
02 90 50 00-0394	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	132.59	
02 90 50 00-0395	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.54	
02 90 50 00-0396	GAL	Encapsulant For Emergency Clean-up	91.80	
02 90 50 00-0397	GAL	Aftershock Fiberlocke For Emergency Clean-up	80.60	
02 90 50 00-0398	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	103.86	
02 90 50 00-0399	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	106.82	
02 90 50 00-0400	ROL	Filter Material For Emergency Clean-up	208.51	
02 90 50 00-0401	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	5.62	
02 90 50 00-0402	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	445.97	
02 90 50 00-0403	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	2.14	
02 90 50 00-0404	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	9.53	
02 90 50 00-0405	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	33.92	
02 90 50 00-0406	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	322.56	
02 90 50 00-0407	EA	Pleated Dehumidifier Filter For Emergency Clean-up	8.51	
02 90 50 00-0408	GAL	Floor Stripper For Emergency Clean-up	18.84	
02 90 50 00-0409	GAL	Floor Wax For Emergency Clean-up	26.91	
02 90 50 00-0410	GAL	Fogger (Thermal) For Emergency Clean-up	155.94	
02 90 50 00-0411	BOX	Furniture Blocks For Emergency Clean-up	125.60	
02 90 50 00-0412	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.93	
02 90 50 00-0413	GAL	Glass Cleaner For Emergency Clean-up	11.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0414	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	16.42	
02 90 50 00-0415	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	13.50	
02 90 50 00-0416	EA	Halogen Light Bulbs For Emergency Clean-up	19.22	
02 90 50 00-0417	QT	Hand Sanitizer For Emergency Clean-up	9.50	
02 90 50 00-0418	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.82	
02 90 50 00-0419	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	16.45	
02 90 50 00-0420	GAL	HVAC Coal Cleaner For Emergency Clean-up	53.46	
02 90 50 00-0421	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	115.71	
02 90 50 00-0422	EA	Utility Knives For Emergency Clean-up	14.80	
02 90 50 00-0423	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	99.26	
02 90 50 00-0424	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	104.79	
02 90 50 00-0425	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	208.64	
02 90 50 00-0426	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	301.57	
02 90 50 00-0427	GAL	Lemon Oil For Emergency Clean-up	45.36	
02 90 50 00-0428	GAL	LPS 1/Mecca Lube For Emergency Clean-up	48.90	
02 90 50 00-0429	GAL	LPS 2 For Emergency Clean-up	51.76	
02 90 50 00-0430	GAL	LPS Contact Cleaner For Emergency Clean-up	51.51	
02 90 50 00-0431	GAL	Light Lubricant Preserve For Emergency Clean-up	120.79	
02 90 50 00-0432	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.91	
02 90 50 00-0433	GAL	Machinery Cleaning Solvent For Emergency Clean-up	217.19	
02 90 50 00-0434	GAL	Metal Polishing Paste For Emergency Clean-up	22.36	
02 90 50 00-0435	GAL	MediClean® Disinfectant For Emergency Clean-up	54.39	
02 90 50 00-0436	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	66.76	
02 90 50 00-0437	EA	Mop Heads For Emergency Clean-up	8.06	
02 90 50 00-0438	EA	Nylon Scouring Pads For Emergency Clean-up	1.48	
02 90 50 00-0439	GAL	Odor Neutralizer For Emergency Clean-up	34.70	
02 90 50 00-0440	EA	Packing Paper, 25 LB Bundle For Emergency Clean-up	60.17	
02 90 50 00-0441	EA	Paint Brushes For Emergency Clean-up	6.73	
02 90 50 00-0442	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	140.33	
02 90 50 00-0443	EA	Putty Knives For Emergency Clean-up	6.10	
02 90 50 00-0444	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	30.62	
02 90 50 00-0445	GAL	Reodorant For Emergency Clean-up	114.38	
02 90 50 00-0446	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	3.92	
02 90 50 00-0447	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	6.08	
02 90 50 00-0448	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.80	
02 90 50 00-0449	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.80	
02 90 50 00-0450	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	32.65	
02 90 50 00-0451	GAL	Restoracide For Emergency Clean-up	53.65	
02 90 50 00-0452	GAL	Rust Remover For Emergency Clean-up	79.39	
02 90 50 00-0453	EA	Saltesmo Test Samples For Emergency Clean-up	7.38	
02 90 50 00-0454	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.93	
02 90 50 00-0455	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	24.10	
02 90 50 00-0456	EA	Small Scrub Brushes For Emergency Clean-up	12.87	
02 90 50 00-0457	GAL	Clear Soot Sealant For Emergency Clean-up	92.07	
02 90 50 00-0458	GAL	Pigmented Soot Sealant For Emergency Clean-up	248.29	
02 90 50 00-0459	ROL	Shrinkwrap Plastic For Emergency Clean-up	57.16	
02 90 50 00-0460	EA	Dry Sponges For Emergency Clean-up	4.48	
02 90 50 00-0461	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.96	
02 90 50 00-0462	EA	Spray Bot./Trigger For Emergency Clean-up	5.19	
02 90 50 00-0463	GAL	Stain Remover For Emergency Clean-up	31.35	
02 90 50 00-0464	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.23	
02 90 50 00-0465	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.74	
02 90 50 00-0466	LB	Sweeping Compound For Emergency Clean-up	0.49	
02 90 50 00-0467	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.67	
02 90 50 00-0468	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.97	
02 90 50 00-0469	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	29.61	
02 90 50 00-0470	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.62	
02 90 50 00-0471	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.82	
02 90 50 00-0472	LB	Terry Towels For Emergency Clean-up	6.93	
02 90 50 00-0473	GAL	Thermal Fog For Emergency Clean-up	70.53	
02 90 50 00-0474	ROL	Lawn And Leaf Trash Bags For Emergency Clean-up	36.29	
02 90 50 00-0475	ROL	6 Mil Heavy Duty Trash Bags (50 Count) For Emergency Clean-up	144.73	
02 90 50 00-0476	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up	49.10	
02 90 50 00-0477	EA	Backpack Vacuum Bags For Emergency Clean-up	1.66	
02 90 50 00-0478	EA	Upright Vacuum Bags For Emergency Clean-up	2.21	
02 90 50 00-0479	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	27.99	
02 90 50 00-0480	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	47.02	
02 90 50 00-0481	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	127.67	
02 90 50 00-0482	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	174.20	
02 90 50 00-0483	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.94	
02 90 50 00-0484	ROL	12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up	143.38	
02 90 50 00-0485	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	13.99	
02 90 50 00-0486	EA	Zip Wall Zippers For Emergency Clean-up	21.76	

02 90 50 00-0487 Technical/Electronics Restoration Materials *(02 90 50 00-0359)*

02 90 50 00-0488	EA	Brush - Brass For Emergency Clean-up	5.05	
02 90 50 00-0489	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.61	
02 90 50 00-0490	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.35	
02 90 50 00-0491	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.14	
02 90 50 00-0492	EA	Brush - Parts For Emergency Clean-up	7.00	
02 90 50 00-0493	EA	Brush - Plastic For Emergency Clean-up	3.63	
02 90 50 00-0494	EA	Brush - Wire Grout For Emergency Clean-up	7.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0495	EA	Brushing Tool For Emergency Clean-up	15.11	
02 90 50 00-0496	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.34	
02 90 50 00-0497	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.40	
02 90 50 00-0498	EA	Contact Restorer, Per Can For Emergency Clean-up	32.63	
02 90 50 00-0499	EA	Contact Spray, Per Can For Emergency Clean-up	22.20	
02 90 50 00-0500	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.23	
02 90 50 00-0501	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	7.40	
02 90 50 00-0502	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	12.78	
02 90 50 00-0503	LB	Cotton Cleaning Cloths For Emergency Clean-up	20.19	
02 90 50 00-0504	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.30	
02 90 50 00-0505	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.83	
02 90 50 00-0506	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	15.81	
02 90 50 00-0507	GAL	Electronic Grade Detergent For Emergency Clean-up	33.58	
02 90 50 00-0508	SHT	Inventory Labels For Emergency Clean-up	0.13	
02 90 50 00-0509	GAL	Isopropyl Alcohol For Emergency Clean-up	89.00	
02 90 50 00-0510	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	129.78	
02 90 50 00-0511	GAL	PC Board Detergent For Emergency Clean-up	92.18	
02 90 50 00-0512	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	149.70	
02 90 50 00-0513	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	150.83	
02 90 50 00-0514	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	161.22	
02 90 50 00-0515	LB	Wipes, Lint Free Cloths For Emergency Clean-up	5.30	
02 90 50 00-0516	EA	Wire Marker Card For Emergency Clean-up	2.36	
02 90 50 00-0517	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.19	

02 90 50 00-0518 Board Up And Tarp Up *(02 90 50)*

02 90 50 00-0519	SF	Polyethylene Tarp On Roof For Emergency Clean-up	0.22	
02 90 50 00-0520	SF	Temporary Plywood On Roof For Emergency Clean-up	1.33	
02 90 50 00-0521	SF	Temporary Plywood On Wall Or Windows For Emergency Clean-up	1.69	

02 90 50 00-0522 Minimum Charges *(02 90 50)*

02 90 50 00-0523	EA	Minimum For Emergency Cleaning	806.55	
02 90 50 00-0524	EA	Minimum For Emergency Water Extraction	173.52	
02 90 50 00-0525	EA	Minimum For Emergency Carpet Cleaning	161.48	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance Of Concrete *(03)*

03 01 30 Maintenance Of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning Of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*
Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot Blasting	2.00
		For Up To 100, Add	*2.40*
		For >100 To 250, Add	*0.60*
		For >250 To 500, Add	*0.30*
		For >5,000 To 10,000, Deduct	*-0.06*
		For >10,000, Deduct	*-0.12*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot Blasting	3.19
		For Up To 100, Add	*4.78*
		For >100 To 250, Add	*1.20*
		For >250 To 500, Add	*0.60*
		For >5,000 To 10,000, Deduct	*-0.12*
		For >10,000, Deduct	*-0.24*

03 01 30 71 Rehabilitation Of Cast-in-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*
See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	CF	Patch Decks Or Floors With Portland Cement Based Repair Material	94.71
03 01 30 71-0005	CF	Patch Decks Or Floors With Rapid Set Concrete Repair Material	132.02
03 01 30 71-0006	CF	Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate	123.96
03 01 30 71-0007	CF	Patch Decks Or Floors With SSI FlexPatch (Other Than Specified)	270.48

03 01 30 71-0008 Verticals Or Overheads *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0009	CF	Patch Verticals Or Overheads With Portland Cement Based Repair Material	102.48
03 01 30 71-0010	CF	Patch Verticals Or Overheads With Rapid Setting Concrete Repair Material	139.79
03 01 30 71-0011	CF	Patch Verticals Or Overheads With Rapid Setting Polymer Concrete Methylmethacrylate	145.30
03 01 30 71-0012	CF	Patch Verticals Or Overheads With SSI FlexPatch (Other Than Specified)	285.62
03 01 30 71-0013	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Elastomeric Patching Compound	6.43
03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	11.18

03 01 30 71-0015 Edge Repair *(03 01 30 71-0002)*
Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0016	CF	Patch Edge, Portland Cement Based Repair Material	111.96
03 01 30 71-0017	CF	Patch Edge, Rapid Setting Concrete Repair Material	149.27
03 01 30 71-0018	CF	Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate	157.73
03 01 30 71-0019	CF	Patch Edge, SSI Flex Patch (Other Than Specified)	304.34

03 01 30 71-0020 Spall Concrete Repair *(03 01 30 71-0001)*
Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0021	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces	73.35
		For Up To 100, Add	*137.52*
		For >100 To 250, Add	*68.76*
03 01 30 71-0022	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces	85.58
		For Up To 100, Add	*152.80*
		For >100 To 250, Add	*76.40*
03 01 30 71-0023	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces	128.38
		For Up To 100, Add	*229.22*
		For >100 To 250, Add	*114.61*
03 01 30 71-0024	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces	167.35
		For Up To 100, Add	*297.98*
		For >100 To 250, Add	*148.99*
03 01 30 71-0025	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces	52.72
		For Up To 100, Add	*96.26*
		For >100 To 250, Add	*48.13*
03 01 30 71-0026	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces	62.67
		For Up To 100, Add	*106.98*
		For >100 To 250, Add	*53.49*
03 01 30 71-0027	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces	93.99
		For Up To 100, Add	*160.44*
		For >100 To 250, Add	*80.22*
03 01 30 71-0028	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces	122.65
		For Up To 100, Add	*208.58*
		For >100 To 250, Add	*104.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0029		Concrete Rehabilitation *(03 01 30 71)*		
03 01 30 71-0030		Concrete Crack Repair *(03 01 30 71-0029)*		
03 01 30 71-0031		Decks Or Floors, Dormant Concrete Crack Repair *(03 01 30 71-0030)* Note: Includes removing loose materials and cleaning.		
03 01 30 71-0032	CF	Epoxy Injection, Decks Or Floors, Dormant Concrete Crack Repair	857.15	
03 01 30 71-0033	CF	Semi Flexible Polymer, Decks Or Floors, Dormant Concrete Crack Repair	583.56	
03 01 30 71-0034		Decks Or Floors, Active Concrete Crack Repair *(03 01 30 71-0030)* Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0035	CF	Epoxy Injection, Decks Or Floors, Active Concrete Crack Repair	914.71	
03 01 30 71-0036	CF	Semi Flexible Polymer, Decks Or Floors, Active Concrete Crack Repair	641.12	
03 01 30 71-0037		Verticals And Overheads, Dormant Concrete Crack Repair *(03 01 30 71-0030)* Note: Includes removing loose materials and cleaning.		
03 01 30 71-0038	CF	Epoxy Injection, Verticals And Overheads, Dormant Concrete Crack Repair	933.90	
03 01 30 71-0039	CF	Semi Flexible Polymer, Verticals And Overheads, Dormant Concrete Crack Repair	660.31	
03 01 30 71-0040		Verticals And Overheads, Active Concrete Crack Repair *(03 01 30 71-0030)* Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0041	CF	Epoxy Injection, Verticals And Overheads, Active Concrete Crack Repair	1,013.80	
03 01 30 71-0042	CF	Semi Flexible Polymer, Verticals And Overheads, Active Concrete Crack Repair	740.21	
03 01 30 71-0043		Stitched Concrete Crack Repair *(03 01 30 71-0030)* Note: Includes chipping, routing, drilling, removing loose materials, cleaning and rebar.		
03 01 30 71-0044	CF	Epoxy Injection, Stitched Concrete Crack Repair	1,091.18	
03 01 30 71-0045		Fiberglass Reinforced Polyester (FRP) Lining In Concrete Pit *(03 01 30 71-0029)* Note: Sodium Hypochlorite storage pit.		
03 01 30 71-0046	DAY	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Inspection, Two Man Crew	1,300.00	
03 01 30 71-0047	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Repairs, Inner Surface And Interior Layer Repair Note: 50 SF minimum	61.75	
03 01 30 71-0048	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Replacement Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	75.10	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.32	

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

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.86	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.67	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	4.16	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	8.32	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	7.43	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	14.86	
03 05 13 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	3.21	
03 05 13 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	4.46	
03 05 13 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.91	
03 05 13 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.31	
03 05 13 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	7.13	
03 05 13 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	9.51	
03 05 13 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture	23.76	
03 05 13 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture	85.00	
03 05 13 00-0016	CY	Corrosion Inhibiting Concrete Admixture	17.83	
03 05 13 00-0017	CY	Winter Service Or Heat, Concrete Add	4.16	
03 05 13 00-0018	CY	Chilled Water, Concrete Add	4.16	
03 05 13 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	24.07	
03 05 13 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	40.12	
03 05 13 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	77.02	
03 05 13 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	106.97	

03 10 Concrete Forming And Accessories *(03)*

03 11 Concrete Forming *(03 10)*

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

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0001		**Wood Formwork** *(03 11 13)* Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002		**Foundation Wood Formwork** *(03 11 13 00-0001)* Note: For foundation work below or at grade.		
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	5.85	
		For <1,000, Add	*1.08*	
		For Foundations >8' Below Grade, Add	*1.04*	
		For Curved Formwork, Add	*2.07*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	6.96	
		For <1,000, Add	*1.30*	
		For Foundations >8' Below Grade, Add	*1.25*	
		For Curved Formwork, Add	*2.50*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	7.96	
		For <1,000, Add	*1.51*	
		For Foundations >8' Below Grade, Add	*1.47*	
		For Curved Formwork, Add	*2.94*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	6.61	
		For <1,000, Add	*1.24*	
		For Foundations >8' Below Grade, Add	*1.20*	
		For Curved Formwork, Add	*2.40*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	9.40	
		For <1,000, Add	*1.76*	
		For Foundations >8' Below Grade, Add	*1.70*	
		For Curved Formwork, Add	*3.39*	
03 11 13 00-0008		**Slab Edge And Block-Out Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	4.48	
		For Foundations >8' Below Grade, Add	*0.82*	
		For Curved Formwork, Add	*1.65*	
		For Up To 250, Add	*0.85*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	6.47	
		For Foundations >8' Below Grade, Add	*1.15*	
		For Curved Formwork, Add	*2.31*	
		For Up To 250, Add	*1.20*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	8.25	
		For Foundations >8' Below Grade, Add	*1.49*	
		For Curved Formwork, Add	*2.98*	
		For <1,000, Add	*1.54*	
03 11 13 00-0012		**Column Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	34.95	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	50.92	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	63.72	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	90.94	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	130.32	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	171.76	
03 11 13 00-0019		**Above Grade Wall Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	10.49	
		For Curved Formwork, Add	*3.83*	
		For <1,000, Add	*1.98*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	12.44	
		For Curved Formwork, Add	*4.54*	
		For <1,000, Add	*2.34*	
03 11 13 00-0022		**Elevated Beam Wood Formwork** *(03 11 13 00-0001)* Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	13.61	
		For Curved Formwork, Add	*4.98*	
		For <1,000, Add	*2.57*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	8.69	
		For Curved Formwork, Add	*3.19*	
		For <1,000, Add	*1.64*	
03 11 13 00-0025		**Elevated Slab Wood Formwork** *(03 11 13 00-0001)* Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF	Elevated Slab Wood Formwork	8.09	
		For <1,000, Add	*1.47*	
03 11 13 00-0027		**Metal Framed Formwork** *(03 11 13)* Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028		**Foundation Metal Framed Formwork** *(03 11 13 00-0027)* Note: For foundation work below or at grade.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	5.42	
		For <1,000, Add	*0.98*	
		For Foundations >8' Below Grade, Add	*0.93*	
		For Curved Formwork, Add	*1.86*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	6.00	
		For <1,000, Add	*1.10*	
		For Foundations >8' Below Grade, Add	*1.04*	
		For Curved Formwork, Add	*2.09*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	6.73	
		For <1,000, Add	*1.22*	
		For Foundations >8' Below Grade, Add	*1.15*	
		For Curved Formwork, Add	*2.30*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	5.68	
		For <1,000, Add	*1.02*	
		For Foundations >8' Below Grade, Add	*0.97*	
		For Curved Formwork, Add	*1.93*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork Note: Excludes footing.	8.61	
		For <1,000, Add	*1.58*	
		For Foundations >8' Below Grade, Add	*1.51*	
		For Curved Formwork, Add	*3.02*	

03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	3.83	
		For Foundations >8' Below Grade, Add	*0.74*	
		For Curved Formwork, Add	*1.49*	
		For <250, Add	*0.75*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	4.79	
		For Foundations >8' Below Grade, Add	*0.92*	
		For Curved Formwork, Add	*1.85*	
		For <250, Add	*0.94*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	5.31	
		For Foundations >8' Below Grade, Add	*1.02*	
		For Curved Formwork, Add	*2.04*	
		For <1,000, Add	*1.04*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	33.81	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	40.92	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	48.06	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	57.39	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	69.17	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	83.14	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	106.72	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	131.72	

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	35.42	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	39.21	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	44.82	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	51.90	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	61.06	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	69.76	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	91.25	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	121.12	

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	5.40	
		For Curved Formwork, Add	*1.74*	
		For <1,000, Add	*0.94*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	6.61	
		For Curved Formwork, Add	*2.10*	
		For <1,000, Add	*1.14*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	5.28	
		For Curved Formwork, Add	*1.61*	
		For <1,000, Add	*0.89*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	4.03	
		For Curved Formwork, Add	*1.27*	
		For <1,000, Add	*0.69*	

03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	6.99	
		For <1,000, Add	*1.06*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)* Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	13.41	
		For Plastic Lined, Add	*0.49*	
		For Columns >12' In Length, Add	*1.34*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	14.14	
		For Plastic Lined, Add	*0.58*	
		For Columns >12' In Length, Add	*1.41*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	15.61	
		For Plastic Lined, Add	*0.66*	
		For Columns >12' In Length, Add	*1.56*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	18.40	
		For Plastic Lined, Add	*0.95*	
		For Columns >12' In Length, Add	*1.84*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	20.78	
		For Plastic Lined, Add	*1.28*	
		For Columns >12' In Length, Add	*2.08*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	22.50	
		For Plastic Lined, Add	*1.63*	
		For Columns >12' In Length, Add	*2.25*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	23.64	
		For Plastic Lined, Add	*1.77*	
		For Columns >12' In Length, Add	*2.36*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	25.75	
		For Plastic Lined, Add	*2.21*	
		For Columns >12' In Length, Add	*2.58*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	28.20	
		For Plastic Lined, Add	*2.66*	
		For Columns >12' In Length, Add	*2.82*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	30.64	
		For Plastic Lined, Add	*3.12*	
		For Columns >12' In Length, Add	*3.06*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	31.94	
		For Plastic Lined, Add	*3.40*	
		For Columns >12' In Length, Add	*3.19*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	33.97	
		For Plastic Lined, Add	*3.90*	
		For Columns >12' In Length, Add	*3.40*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	36.16	
		For Plastic Lined, Add	*4.44*	
		For Columns >12' In Length, Add	*3.62*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	43.86	
		For Plastic Lined, Add	*6.35*	
		For Columns >12' In Length, Add	*4.39*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	59.62	
		For Plastic Lined, Add	*10.79*	
		For Columns >12' In Length, Add	*5.96*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	70.96	
		For Plastic Lined, Add	*13.91*	
		For Columns >12' In Length, Add	*7.10*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	117.62	
		For Plastic Lined, Add	*27.44*	
		For Columns >12' In Length, Add	*11.76*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	130.68	
		For Plastic Lined, Add	*31.01*	
		For Columns >12' In Length, Add	*13.07*	
03 11 13 00-0085		**Accessories For Formwork** *(03 11 13)*		
03 11 13 00-0086		**Keyway Forms, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	1.55	
03 11 13 00-0088		**Chamfer Strips, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	1.64	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	1.90	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	2.20	
03 11 13 00-0092		**Strip Out Reglets For Concrete Formwork** *(03 11 13 00-0085)*		
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	7.89	
03 11 13 00-0094		**Sleeves And Chases, Plastic Or Sheet Metal** *(03 11 13 00-0085)*		
03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	9.67	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	11.94	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	14.46	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.85	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	21.83	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	51.30	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 16 13-0001		**Concrete Form Liners** *(03 11 16 13)*		
03 11 16 13-0002	SF	Concrete Form Liner, Various Patterns And Textures, Add To Formwork	4.23	
03 11 23		**Permanent Stair Forming** *(03 11)*		
03 11 23 00-0001		**Stairway Wood Formwork** *(03 11 23)*		
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	13.32	
		For Curved Formwork, Add	*5.09*	
		For <1,000, Add	*2.59*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	26.07	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*9.85*	
		For <1,000, Add	*5.02*	
03 11 23 00-0004		**Stairway Metal Framed Formwork** *(03 11 23)*		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	11.09	
		For Curved Formwork, Add	*4.15*	
		For <1,000, Add	*2.12*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	20.40	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*7.68*	
		For <1,000, Add	*3.92*	
03 15		**Concrete Accessories** *(03 10)*		
03 15 13		**Waterstops** *(03 15)*		
03 15 13 13		**Non-Expanding Waterstops** *(03 15 13)*		
03 15 13 13-0001		**Polyvinyl Chloride (PVC) Waterstops** *(03 15 13 13)*		
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	6.25	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	7.08	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	8.67	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	9.59	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	14.98	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	7.19	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	8.90	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	16.47	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	12.76	
03 15 13 13-0011		**Rubber Waterstops** *(03 15 13 13)*		
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	6.72	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	7.72	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	7.02	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	9.61	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	7.98	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	10.21	
03 15 13 13-0018		**Closed Cell Foam Waterstops** *(03 15 13 13)*		
03 15 13 13-0019	LF	Waterstop; Closed-Cell, Foamed, Cross-Linked Ethylene Vinyl Acetate, Gray, Epoxy Bonding Agent	15.38	
03 15 13 16		**Expanding Waterstops** *(03 15 13)*		
03 15 13 16-0001		**Bentonite Waterstops** *(03 15 13 16)*		
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	5.64	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	8.84	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	9.98	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	11.40	
03 15 16		**Concrete Construction Joints** *(03 15)*		
03 15 16 00-0001		**Poured Expansion Joint** *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	1.77	0.69
		For Installation In Walls, Add	*1.15*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	2.70	0.69
		For Installation In Walls, Add	*1.30*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.41	0.69
		For Installation In Walls, Add	*1.15*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	5.27	0.69
		For Installation In Walls, Add	*1.30*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	3.36	0.69
		For Installation In Walls, Add	*1.30*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	6.05	0.69
		For Installation In Walls, Add	*2.10*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	1.84	0.69
		For Installation In Walls, Add	*1.15*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.00	0.69
		For Installation In Walls, Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	3.53	0.69
		For Installation In Walls, Add	*1.30*	

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

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

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.72	0.76
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.03	0.81
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.21	0.84
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.41	0.88
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.94	0.76
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.20	0.81
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.54	0.84
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.03	0.88
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.72	0.72
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.91	0.76
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.11	0.81
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.30	0.84
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.53	0.88
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.86	0.92
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	3.11	0.96
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	3.56	1.00
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.13	0.81
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.52	0.84
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	3.19	0.92
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	5.84	1.26

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

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	3.38	0.81
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	3.84	0.88
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	4.20	0.92
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	6.20	0.96
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	6.61	1.00
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	7.16	1.26
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	8.48	1.26
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	9.09	1.26

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

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.88	0.81
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.96	0.84
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.08	0.88
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.51	0.92
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.96	0.81
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.05	0.84
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.13	0.88
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.38	0.92

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

03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	1.91	0.81
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	2.12	0.84
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	2.37	0.92

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

03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	3.09	0.76
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	3.71	0.76

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

03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker	0.84	0.57
		>1,250, Deduct	*-0.04*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker	0.80	0.57
		>1,250, Deduct	*-0.04*	

03 15 16 00-0061 Keyed Cold Expansion And Control Joints *(03 15 16)*

03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*

03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	4.51	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	4.61	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	4.80	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	5.12	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	6.64	

03 15 19 Cast-In Concrete Anchors *(03 15)*

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

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

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

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0003		**1/2" And 5/8" Diameter** *(03 15 19 00-0002)*		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.05	
		For Galvanized, Add	*0.86*	
		For Stainless Steel, Add	*5.99*	
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.95*	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.85	
		For Galvanized, Add	*1.09*	
		For Stainless Steel, Add	*7.63*	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.52*	
		For >100, Deduct	*-1.04*	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.07	
		For Galvanized, Add	*1.50*	
		For Stainless Steel, Add	*10.50*	
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.16*	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.99	
		For Galvanized, Add	*1.96*	
		For Stainless Steel, Add	*13.72*	
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.21*	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	10.76	
		For Galvanized, Add	*2.62*	
		For Stainless Steel, Add	*18.31*	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.37*	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.06	
		For Galvanized, Add	*2.99*	
		For Stainless Steel, Add	*20.93*	
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.76*	
		For >100, Deduct	*-1.52*	
03 15 19 00-0010		**3/4" And 7/8" Diameter** *(03 15 19 00-0002)*		
03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.02	
		For Galvanized, Add	*2.97*	
		For Stainless Steel, Add	*20.79*	
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.76*	
		For >100, Deduct	*-1.51*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.68	
		For Galvanized, Add	*3.46*	
		For Stainless Steel, Add	*24.22*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.70*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.47	
		For Galvanized, Add	*4.44*	
		For Stainless Steel, Add	*31.05*	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.68	
		For Galvanized, Add	*5.59*	
		For Stainless Steel, Add	*39.10*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.72	
		For Galvanized, Add	*4.06*	
		For Stainless Steel, Add	*28.42*	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.93*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.40	
		For Galvanized, Add	*4.86*	
		For Stainless Steel, Add	*34.02*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.09	
		For Galvanized, Add	*6.48*	
		For Stainless Steel, Add	*45.36*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.67*	
03 15 19 00-0018		**1" And 1-1/8" Diameter** *(03 15 19 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.18	
		For Galvanized, Add	*5.25*	
		For Stainless Steel, Add	*36.75*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.77	
		For Galvanized, Add	*6.32*	
		For Stainless Steel, Add	*44.24*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.99	
		For Galvanized, Add	*7.92*	
		For Stainless Steel, Add	*55.44*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.56	
		For Galvanized, Add	*9.68*	
		For Stainless Steel, Add	*67.76*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.01*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.67	
		For Galvanized, Add	*6.57*	
		For Stainless Steel, Add	*45.96*	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.92	
		For Galvanized, Add	*7.90*	
		For Stainless Steel, Add	*55.30*	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.01*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.15	
		For Galvanized, Add	*9.90*	
		For Stainless Steel, Add	*69.30*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.88	
		For Galvanized, Add	*12.10*	
		For Stainless Steel, Add	*84.67*	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.55*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.97	
		For Galvanized, Add	*8.21*	
		For Stainless Steel, Add	*57.44*	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.07	
		For Galvanized, Add	*9.88*	
		For Stainless Steel, Add	*69.13*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.54	
		For Galvanized, Add	*12.38*	
		For Stainless Steel, Add	*86.66*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.19*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	48.72	
		For Galvanized, Add	*15.12*	
		For Stainless Steel, Add	*105.84*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.21*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.35	
		For Galvanized, Add	*10.26*	
		For Stainless Steel, Add	*71.79*	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.39*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	38.51	
		For Galvanized, Add	*12.35*	
		For Stainless Steel, Add	*86.42*	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.55	
		For Galvanized, Add	*15.48*	
		For Stainless Steel, Add	*108.36*	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.87*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	58.52	
		For Galvanized, Add	*18.90*	
		For Stainless Steel, Add	*132.30*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.03*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

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

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.30	
		For Galvanized, Add	*2.27*	
		For Stainless Steel, Add	*15.89*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.21	
		For Galvanized, Add	*2.81*	
		For Stainless Steel, Add	*19.64*	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.80*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.11	
		For Galvanized, Add	*3.22*	
		For Stainless Steel, Add	*22.51*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.81	
		For Galvanized, Add	*3.34*	
		For Stainless Steel, Add	*23.38*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.16	
		For Galvanized, Add	*3.51*	
		For Stainless Steel, Add	*24.54*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.23	
		For Galvanized, Add	*2.82*	
		For Stainless Steel, Add	*19.71*	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.80*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.24	
		For Galvanized, Add	*3.28*	
		For Stainless Steel, Add	*22.96*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.65	
		For Galvanized, Add	*3.76*	
		For Stainless Steel, Add	*26.32*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.96	
		For Galvanized, Add	*3.91*	
		For Stainless Steel, Add	*27.34*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.82*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.40	
		For Galvanized, Add	*4.10*	
		For Stainless Steel, Add	*28.70*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.90	
		For Galvanized, Add	*3.61*	
		For Stainless Steel, Add	*25.27*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-2.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.25	
		For Galvanized, Add	*4.06*	
		For Stainless Steel, Add	*28.42*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.43*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.23	
		For Galvanized, Add	*4.54*	
		For Stainless Steel, Add	*31.78*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.72	
		For Galvanized, Add	*4.76*	
		For Stainless Steel, Add	*33.29*	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.12*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.16	
		For Galvanized, Add	*4.98*	
		For Stainless Steel, Add	*34.86*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.43	
		For Galvanized, Add	*5.77*	
		For Stainless Steel, Add	*40.39*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.76	
		For Galvanized, Add	*6.75*	
		For Stainless Steel, Add	*47.25*	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.73*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.63	
		For Galvanized, Add	*4.75*	
		For Stainless Steel, Add	*33.25*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.78	
		For Galvanized, Add	*5.32*	
		For Stainless Steel, Add	*37.21*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.33	
		For Galvanized, Add	*5.56*	
		For Stainless Steel, Add	*38.92*	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.63	
		For Galvanized, Add	*5.74*	
		For Stainless Steel, Add	*40.18*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.64	
		For Galvanized, Add	*6.72*	
		For Stainless Steel, Add	*47.04*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.22	
		For Galvanized, Add	*7.61*	
		For Stainless Steel, Add	*53.27*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.08	
		For Galvanized, Add	*8.60*	
		For Stainless Steel, Add	*60.17*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.24*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.69	
		For Galvanized, Add	*9.35*	
		For Stainless Steel, Add	*65.42*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.73	
		For Galvanized, Add	*10.01*	
		For Stainless Steel, Add	*70.07*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.34*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.76	
		For Galvanized, Add	*10.72*	
		For Stainless Steel, Add	*75.01*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.14*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.09	
		For Galvanized, Add	*11.85*	
		For Stainless Steel, Add	*82.92*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.63*	
		For >100, Deduct	*-7.26*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.51	
		For Galvanized, Add	*7.18*	
		For Stainless Steel, Add	*50.26*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.15*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.00	
		For Galvanized, Add	*8.40*	
		For Stainless Steel, Add	*58.80*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.02	
		For Galvanized, Add	*9.51*	
		For Stainless Steel, Add	*66.57*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.15*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.37	
		For Galvanized, Add	*10.74*	
		For Stainless Steel, Add	*75.18*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.45*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.37	
		For Galvanized, Add	*11.69*	
		For Stainless Steel, Add	*81.80*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.97*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.74	
		For Galvanized, Add	*12.52*	
		For Stainless Steel, Add	*87.61*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.59*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.33	
		For Galvanized, Add	*13.50*	
		For Stainless Steel, Add	*94.50*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.42*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.02	
		For Galvanized, Add	*14.81*	
		For Stainless Steel, Add	*103.67*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.56*	

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

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.72	
		For Galvanized, Add	*9.95*	
		For Stainless Steel, Add	*69.65*	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.76*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.87	
		For Galvanized, Add	*10.44*	
		For Stainless Steel, Add	*73.05*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.24*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.85	
		For Galvanized, Add	*11.49*	
		For Stainless Steel, Add	*80.40*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.09	
		For Galvanized, Add	*12.55*	
		For Stainless Steel, Add	*87.82*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.05*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.48	
		For Galvanized, Add	*13.61*	
		For Stainless Steel, Add	*95.27*	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.65	
		For Galvanized, Add	*14.64*	
		For Stainless Steel, Add	*102.45*	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.14*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.29	
		For Galvanized, Add	*15.83*	
		For Stainless Steel, Add	*110.81*	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.11*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.89	
		For Galvanized, Add	*17.56*	
		For Stainless Steel, Add	*122.89*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-4.26*	
		For >100, Deduct	*-8.51*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.14	
		For Galvanized, Add	*14.97*	
		For Stainless Steel, Add	*104.79*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.48	
		For Galvanized, Add	*15.30*	
		For Stainless Steel, Add	*107.07*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.91*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.96	
		For Galvanized, Add	*15.54*	
		For Stainless Steel, Add	*108.78*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.13*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.90	
		For Galvanized, Add	*17.95*	
		For Stainless Steel, Add	*125.65*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.60*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.16	
		For Galvanized, Add	*20.73*	
		For Stainless Steel, Add	*145.08*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.41*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	67.32	
		For Galvanized, Add	*21.00*	
		For Stainless Steel, Add	*146.97*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-7.17*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.75	
		For Galvanized, Add	*22.68*	
		For Stainless Steel, Add	*158.73*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.17*	
		For >100, Deduct	*-8.35*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.83	
		For Galvanized, Add	*24.42*	
		For Stainless Steel, Add	*170.94*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-5.02*	
		For >100, Deduct	*-10.04*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.46	
		For Galvanized, Add	*22.79*	
		For Stainless Steel, Add	*159.53*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.86*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.54	
		For Galvanized, Add	*24.64*	
		For Stainless Steel, Add	*172.48*	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-3.26*	
		For >100, Deduct	*-6.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	77.09	
		For Galvanized, Add	*26.86*	
		For Stainless Steel, Add	*187.99*	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-3.68*	
		For >100, Deduct	*-7.36*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.51	
		For Galvanized, Add	*28.44*	
		For Stainless Steel, Add	*199.08*	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-8.37*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	91.52	
		For Galvanized, Add	*30.56*	
		For Stainless Steel, Add	*213.92*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.57*	
		For >100, Deduct	*-9.14*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	99.05	
		For Galvanized, Add	*32.64*	
		For Stainless Steel, Add	*228.45*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-5.01*	
		For >100, Deduct	*-10.02*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	113.52	
		For Galvanized, Add	*35.05*	
		For Stainless Steel, Add	*245.35*	
		For >10 To 50, Deduct	*-2.17*	
		For >50 To 100, Deduct	*-6.09*	
		For >100, Deduct	*-12.19*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.48	
		For Galvanized, Add	*38.53*	
		For Stainless Steel, Add	*269.71*	
		For >10 To 50, Deduct	*-2.17*	
		For >50 To 100, Deduct	*-6.27*	
		For >100, Deduct	*-12.54*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	136.32	
		For Galvanized, Add	*42.83*	
		For Stainless Steel, Add	*299.81*	
		For >10 To 50, Deduct	*-2.53*	
		For >50 To 100, Deduct	*-7.21*	
		For >100, Deduct	*-14.42*	

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

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	119.15	
		For Galvanized, Add	*50.64*	
		For Stainless Steel, Add	*354.45*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-4.32*	
		For >100, Deduct	*-8.64*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	126.11	
		For Galvanized, Add	*52.93*	
		For Stainless Steel, Add	*370.48*	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-4.67*	
		For >100, Deduct	*-9.34*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	138.17	
		For Galvanized, Add	*57.40*	
		For Stainless Steel, Add	*401.77*	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-5.21*	
		For >100, Deduct	*-10.42*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	148.60	
		For Galvanized, Add	*60.49*	
		For Stainless Steel, Add	*423.40*	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-11.57*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	157.86	
		For Galvanized, Add	*63.73*	
		For Stainless Steel, Add	*446.11*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-6.23*	
		For >100, Deduct	*-12.45*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	168.50	
		For Galvanized, Add	*67.36*	
		For Stainless Steel, Add	*471.52*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-6.75*	
		For >100, Deduct	*-13.49*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	185.58	
		For Galvanized, Add	*71.08*	
		For Stainless Steel, Add	*497.56*	
		For >10 To 50, Deduct	*-2.17*	
		For >50 To 100, Deduct	*-7.90*	
		For >100, Deduct	*-15.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	133.64	
		For Galvanized, Add	*57.32*	
		For Stainless Steel, Add	*401.24*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-4.77*	
		For >100, Deduct	*-9.53*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	144.34	
		For Galvanized, Add	*61.32*	
		For Stainless Steel, Add	*429.21*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-5.24*	
		For >100, Deduct	*-10.47*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	156.02	
		For Galvanized, Add	*65.35*	
		For Stainless Steel, Add	*457.42*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-5.80*	
		For >100, Deduct	*-11.60*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	168.36	
		For Galvanized, Add	*68.98*	
		For Stainless Steel, Add	*482.86*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-6.49*	
		For >100, Deduct	*-12.98*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	179.67	
		For Galvanized, Add	*72.95*	
		For Stainless Steel, Add	*510.62*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-7.03*	
		For >100, Deduct	*-14.05*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	195.15	
		For Galvanized, Add	*78.58*	
		For Stainless Steel, Add	*550.06*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-7.73*	
		For >100, Deduct	*-15.46*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	216.47	
		For Galvanized, Add	*82.91*	
		For Stainless Steel, Add	*580.34*	
		For >10 To 50, Deduct	*-2.53*	
		For >50 To 100, Deduct	*-9.21*	
		For >100, Deduct	*-18.42*	

03 20 Concrete Reinforcing *(03)*

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

03 21 Reinforcement Bars *(03 20)*

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

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.49
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.82
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.22
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.67
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.50
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.84
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.25
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.71
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.51
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.86
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.29
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.77
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.31
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.87
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.53
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.30
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.11
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.06
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.05
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.83
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.39
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.97
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.66
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.47
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.32
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.36
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	12.58
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.52
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.88
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.32
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.82
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.37
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.63	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.42	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.27	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.29	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.45	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.51	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.87	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.28	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.76	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.52	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.89	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.31	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	1.80	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.53	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	0.91	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.35	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	1.86	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	2.42	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	3.00	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	3.67	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	4.47	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	5.30	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	7.32	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	12.45	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	1.92	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	2.50	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	3.10	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	3.80	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	4.64	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	5.51	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	7.62	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	12.98	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.54	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.93	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.38	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.91	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.48	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.08	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.77	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.59	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.46	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.55	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	12.85	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.45	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.75	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.12	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.54	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.46	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.77	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.15	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.58	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.47	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.79	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.19	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	1.64	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	2.14	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	2.68	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	3.30	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	4.03	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	4.81	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	6.68	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	11.44	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	1.70	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.22	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	2.78	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.43	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	4.20	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	5.02	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.98	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	11.97	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.48	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.81	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.22	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.69	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.20	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.76	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.15	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.97	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.91	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	11.84	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.43	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.73	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.08	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.49	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.44	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.75	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.11	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.53	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.45	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.77	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.15	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.59	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.08	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.60	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.22	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.94	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.71	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.54	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.23	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.65	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.16	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.70	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.35	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.11	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.92	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.84	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.76	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.46	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.79	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.18	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.64	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.14	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.68	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.32	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.06	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.87	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.77	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.63	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.40	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.68	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.02	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.40	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.41	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.70	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.05	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.44	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.42	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.72	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.09	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.50	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.97	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.47	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.06	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.77	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.51	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.29	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	10.83	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.56	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.05	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.57	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.19	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.94	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.72	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.59	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.36	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.43	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.74	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.12	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.55	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.03	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.55	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.16	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.67	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.52	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.23	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

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

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.39	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.65	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	0.98	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.36	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.40	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.67	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.01	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.40	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.41	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.69	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.05	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.46	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	1.91	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	2.41	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	2.99	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	3.68	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	4.42	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	6.16	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	10.63	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.52	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	1.99	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	2.51	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	3.12	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	3.85	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	4.63	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	6.46	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	11.16	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.42	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.71	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.08	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.51	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.97	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.49	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.09	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.80	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.58	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.39	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.03	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	161.00	

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	88.12	

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	1.97	
		For Up To 12" Length, Deduct		*-0.25*
		For >12" To <24" Length, Deduct		*-0.13*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	2.36	
		For Up To 12" Length, Deduct		*-0.33*
		For >12" To <24" Length, Deduct		*-0.17*
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	2.92	
		For Up To 12" Length, Deduct		*-0.52*
		For >12" To <24" Length, Deduct		*-0.26*
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	3.59	
		For Up To 12" Length, Deduct		*-0.76*
		For >12" To <24" Length, Deduct		*-0.38*
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	4.28	
		For Up To 12" Length, Deduct		*-1.05*
		For >12" To <24" Length, Deduct		*-0.53*
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	5.40	
		For Up To 12" Length, Deduct		*-1.35*
		For >12" To <24" Length, Deduct		*-0.67*
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.40	
		For Up To 12" Length, Deduct		*-1.66*
		For >12" To <24" Length, Deduct		*-0.83*
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	7.88	
		For Up To 12" Length, Deduct		*-2.17*
		For >12" To <24" Length, Deduct		*-1.09*
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	9.38	
		For Up To 12" Length, Deduct		*-2.68*
		For >12" To <24" Length, Deduct		*-1.34*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0250		Spirals, Reinforcing Steel *(03 21 11)*		
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,741.00	
		For Grade 75, Add	*188.81*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,711.63	
		For Grade 75, Add	*188.81*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,711.63	
		For Grade 75, Add	*188.81*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,652.61	
		For Grade 75, Add	*188.81*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,603.09	
		For Grade 75, Add	*188.81*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,616.01	
		For Grade 75, Add	*193.46*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,574.55	
		For Grade 75, Add	*193.46*	
03 21 11 00-0258		Accessories For Reinforcing Steel *(03 21 11)*		
03 21 11 00-0259		Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0258)*		
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	30.06	
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice	43.50	
03 21 11 00-0262		Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0258)*		
03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	23.29	
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	35.21	
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	52.15	
03 21 13		**Galvanized Reinforcement Steel Bars** *(03 21)*		
03 21 13 00-0001		Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.59	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.00	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.50	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.08	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.60	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.01	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.53	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.11	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.61	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.04	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.57	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.17	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.86	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.58	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.44	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.45	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.53	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.11	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	15.68	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.23	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.94	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.69	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.57	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.62	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.74	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.41	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	16.21	
03 21 13 00-0029		Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.61	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.05	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.56	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.17	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.06	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.59	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.20	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.63	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.09	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.63	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.26	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.97	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.71	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.58	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.62	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.72	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.37	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	16.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.32	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.05	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.82	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.71	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.79	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.93	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	9.67	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	16.61	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.93	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.40	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.95	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.56	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.94	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.98	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.57	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.97	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.47	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.04	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.69	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.39	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.21	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.18	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.23	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.73	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	15.07	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.10	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.77	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.50	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.34	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.35	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.44	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.03	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	15.60	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.91	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.36	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.54	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.92	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.39	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.93	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.95	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.99	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.63	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.31	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.13	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.09	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.13	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.59	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	14.86	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.05	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.71	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.42	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.26	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.26	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.34	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.89	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	15.39	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.86	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.30	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.81	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.87	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.33	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.84	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.52	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.18	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.97	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.92	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.93	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.34	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.46	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.96	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.60	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.29	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.10	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.09	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.14	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.64	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.99	
03 21 13 00-0141		Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.49	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.83	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.26	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.77	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.84	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.29	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.80	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.87	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.33	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.86	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.46	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.12	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.90	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.83	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.84	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.21	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	14.26	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.92	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.54	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.23	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.03	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.00	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.05	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.51	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	14.79	
03 21 16		**Epoxy-Coated Reinforcement Steel Bars** *(03 21)*		
03 21 16 00-0001		Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*		
		Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.58	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.98	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.47	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.03	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.00	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.50	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.07	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.60	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.02	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.54	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.13	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.80	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.50	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.34	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.32	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.38	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.89	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.29	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.19	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.88	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.61	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.47	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.49	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.58	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.18	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.82	
03 21 16 00-0029		Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*		
		Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.60	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.53	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.12	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.05	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.56	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.16	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.62	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.07	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.60	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.22	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.91	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.63	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.48	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.49	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.57	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.15	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	15.69	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.28	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.99	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.74	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.61	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.66	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.77	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.44	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	16.22	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.91	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.37	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.90	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.55	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.93	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.40	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.94	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.44	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.00	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.63	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.31	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.11	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.05	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.08	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.51	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	14.68	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.06	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.71	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.42	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.24	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.22	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.28	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.80	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	15.21	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.89	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.33	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.85	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.53	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.91	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.36	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.89	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.93	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.40	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.95	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.57	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.23	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.03	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.96	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.98	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.37	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	14.47	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.01	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.65	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.34	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.16	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.13	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.66	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.00	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.84	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.27	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.76	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.50	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.86	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.80	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.88	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.34	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.86	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.46	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.10	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.87	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.79	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.78	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.12	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	14.07	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.92	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.54	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.21	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.00	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.96	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.98	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.41	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	14.60	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.48	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.81	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.23	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.72	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.83	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.26	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.76	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.50	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.85	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.82	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.40	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.04	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.80	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.70	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.69	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.99	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	13.87	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	1.88	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.48	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.15	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.93	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.87	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.89	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	8.28	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	14.40	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.34	
		For Up To 12" Length, Deduct	*-0.35*	
		For >12" To <24" Length, Deduct	*-0.18*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.86	
		For Up To 12" Length, Deduct	*-0.53*	
		For >12" To <24" Length, Deduct	*-0.27*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.60	
		For Up To 12" Length, Deduct	*-0.80*	
		For >12" To <24" Length, Deduct	*-0.40*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.34	
		For Up To 12" Length, Deduct	*-1.06*	
		For >12" To <24" Length, Deduct	*-0.53*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.45	
		For Up To 12" Length, Deduct	*-1.44*	
		For >12" To <24" Length, Deduct	*-0.72*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.46	
		For Up To 12" Length, Deduct	*-1.77*	
		For >12" To <24" Length, Deduct	*-0.89*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.72	
		For Up To 12" Length, Deduct	*-2.14*	
		For >12" To <24" Length, Deduct	*-1.07*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.27	
		For Up To 12" Length, Deduct	*-2.60*	
		For >12" To <24" Length, Deduct	*-1.30*	

03 22 Fabric And Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.58	
		For >5 Ton, Deduct	*-0.09*	
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.67	
		For >5 Ton, Deduct	*-0.10*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.76	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	0.90	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.70	
		For >5 Ton, Deduct	*-0.10*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.79	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.99	
		For >5 Ton, Deduct	*-0.14*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.16	
		For >5 Ton, Deduct	*-0.16*	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.08	
		For >5 Ton, Deduct	*-0.14*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.65	
		For >5 Ton, Deduct	*-0.09*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.75	
		For >5 Ton, Deduct	*-0.11*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.86	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.04	
		For >5 Ton, Deduct	*-0.14*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.79	
		For >5 Ton, Deduct	*-0.11*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.90	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.18	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.38	
		For >5 Ton, Deduct	*-0.18*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.30	
		For >5 Ton, Deduct	*-0.36*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.64	
		For >5 Ton, Deduct	*-0.09*	
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.74	
		For >5 Ton, Deduct	*-0.11*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.85	
		For >5 Ton, Deduct	*-0.12*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.03	
		For >5 Ton, Deduct	*-0.14*	
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.78	
		For >5 Ton, Deduct	*-0.11*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.89	
		For >5 Ton, Deduct	*-0.12*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.15	
		For >5 Ton, Deduct	*-0.15*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.35	
		For >5 Ton, Deduct	*-0.18*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 30 Cast-In-Place Concrete *(03)*

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	213.97
		For 2,000 PSI Concrete, Deduct	*-5.20*
		For 2,500 PSI Concrete, Deduct	*-2.60*
		For 3,500 PSI Concrete, Add	*2.60*
		For 3,750 PSI Concrete, Add	*3.90*
		For 4,000 PSI Concrete, Add	*5.20*
		For 4,500 PSI Concrete, Add	*7.80*
		For 5,000 PSI Concrete, Add	*10.40*
		For 6,000 PSI Concrete, Add	*13.01*
		For 7,500 PSI Concrete, Add	*20.81*
		For White Cement Concrete, Add	*18.36*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*
		For Lightweight Aggregate, ASTM C330, Add	*45.90*
		For Up To 20, Add	*24.39*
		For >20 To 50, Add	*9.15*
		For >100 To 200, Deduct	*-4.28*
		For >200 To 400, Deduct	*-8.56*
		For >400, Deduct	*-12.84*
		For DOT Class D, Add	*65.94*
		For DOT Class E, Add	*57.38*
		For DOT Class F, Add	*66.40*
		For DOT Class G, Add	*63.80*

03 30 53 00-0003 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0004	CF	Hand Mix And Place Concrete	25.06
		Note: For use where conventional equipment access is limited or when directed by the owner.	
		For 2,000 PSI Concrete, Deduct	*-0.22*
		For 2,500 PSI Concrete, Deduct	*-0.11*
		For 3,500 PSI Concrete, Add	*0.11*
		For 3,750 PSI Concrete, Add	*0.17*
		For 4,000 PSI Concrete, Add	*0.22*
		For 4,500 PSI Concrete, Add	*0.33*
		For 5,000 PSI Concrete, Add	*0.44*
		For 6,000 PSI Concrete, Add	*0.56*
		For 7,500 PSI Concrete, Add	*0.89*
		For White Cement Concrete, Add	*0.78*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.85*
		For High Early Strength, Type 3 ASTM C150, Add	*0.65*
		For Lightweight Aggregate, ASTM C330, Add	*1.96*
		For DOT Class D, Add	*2.82*
		For DOT Class E, Add	*2.45*
		For DOT Class F, Add	*2.84*
		For DOT Class G, Add	*2.73*

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.79
		For 2,000 PSI Concrete, Deduct	*-0.06*
		For 2,500 PSI Concrete, Deduct	*-0.03*
		For 3,500 PSI Concrete, Add	*0.03*
		For 4,000 PSI Concrete, Add	*0.06*
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*
		For Up To 500, Add	*2.59*
		For >500 To 1,000, Add	*1.79*
		For >1,000 To 2,000, Add	*0.99*
		For >2,000 To 5,000, Add	*0.49*
		For >10,000 To 20,000, Deduct	*-0.19*
		For >20,000 To 35,000, Deduct	*-0.36*
		For >35,000 To 50,000, Deduct	*-0.53*
		For >50,000 To 70,000, Deduct	*-0.69*
		For >70,000, Deduct	*-0.86*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.45	
		For 2,000 PSI Concrete, Deduct	*-0.07*	
		For 2,500 PSI Concrete, Deduct	*-0.04*	
		For 3,500 PSI Concrete, Add	*0.04*	
		For 4,000 PSI Concrete, Add	*0.07*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.78*	
		For >500 To 1,000, Add	*1.93*	
		For >1,000 To 2,000, Add	*1.07*	
		For >2,000 To 5,000, Add	*0.53*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000 To 35,000, Deduct	*-0.40*	
		For >35,000 To 50,000, Deduct	*-0.58*	
		For >50,000 To 70,000, Deduct	*-0.77*	
		For >70,000, Deduct	*-0.96*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.37	
		For 2,000 PSI Concrete, Deduct	*-0.08*	
		For 2,500 PSI Concrete, Deduct	*-0.04*	
		For 3,500 PSI Concrete, Add	*0.04*	
		For 4,000 PSI Concrete, Add	*0.08*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.05*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,000, Add	*1.18*	
		For >2,000 To 5,000, Add	*0.59*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000 To 35,000, Deduct	*-0.46*	
		For >35,000 To 50,000, Deduct	*-0.67*	
		For >50,000 To 70,000, Deduct	*-0.87*	
		For >70,000, Deduct	*-1.08*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.25	
		For 2,000 PSI Concrete, Deduct	*-0.10*	
		For 2,500 PSI Concrete, Deduct	*-0.05*	
		For 3,500 PSI Concrete, Add	*0.05*	
		For 4,000 PSI Concrete, Add	*0.10*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.28*	
		For >500 To 1,000, Add	*2.28*	
		For >1,000 To 2,000, Add	*1.28*	
		For >2,000 To 5,000, Add	*0.64*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000 To 35,000, Deduct	*-0.51*	
		For >35,000 To 50,000, Deduct	*-0.75*	
		For >50,000 To 70,000, Deduct	*-0.98*	
		For >70,000, Deduct	*-1.21*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.01	
		For 2,000 PSI Concrete, Deduct	*-0.11*	
		For 2,500 PSI Concrete, Deduct	*-0.05*	
		For 3,500 PSI Concrete, Add	*0.05*	
		For 4,000 PSI Concrete, Add	*0.11*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.49*	
		For >500 To 1,000, Add	*2.43*	
		For >1,000 To 2,000, Add	*1.37*	
		For >2,000 To 5,000, Add	*0.69*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000 To 35,000, Deduct	*-0.56*	
		For >35,000 To 50,000, Deduct	*-0.81*	
		For >50,000 To 70,000, Deduct	*-1.06*	
		For >70,000, Deduct	*-1.32*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.95	
		For 2,000 PSI Concrete, Deduct	*-0.13*	
		For 2,500 PSI Concrete, Deduct	*-0.07*	
		For 3,500 PSI Concrete, Add	*0.07*	
		For 4,000 PSI Concrete, Add	*0.13*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*4.00*	
		For >500 To 1,000, Add	*2.80*	
		For >1,000 To 2,000, Add	*1.60*	
		For >2,000 To 5,000, Add	*0.80*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000 To 35,000, Deduct	*-0.70*	
		For >35,000 To 50,000, Deduct	*-0.99*	
		For >50,000 To 70,000, Deduct	*-1.29*	
		For >70,000, Deduct	*-1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	13.45	
		For 2,000 PSI Concrete, Deduct	*-0.16*	
		For 2,500 PSI Concrete, Deduct	*-0.08*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.16*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*4.41*	
		For >500 To 1,000, Add	*3.10*	
		For >1,000 To 2,000, Add	*1.78*	
		For >2,000 To 5,000, Add	*0.89*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000 To 35,000, Deduct	*-0.79*	
		For >35,000 To 50,000, Deduct	*-1.13*	
		For >50,000 To 70,000, Deduct	*-1.47*	
		For >70,000, Deduct	*-1.80*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests.

03 31 13 00-0011 Place 3000 PSI Concrete By Direct Chute *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	197.83	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*17.93*	
		For >20 To 50, Add	*6.72*	
		For >100 To 200, Deduct	*-3.96*	
		For >200 To 400, Deduct	*-7.91*	
		For >400, Deduct	*-11.87*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0014	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	208.44	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*17.08*	
		For >20 To 50, Add	*6.40*	
		For >100 To 200, Deduct	*-4.17*	
		For >200 To 400, Deduct	*-8.34*	
		For >400, Deduct	*-12.51*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0015 Place Concrete Continuous Footings *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0016	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	192.85	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*15.94*	
		For >20 To 50, Add	*5.98*	
		For >100 To 200, Deduct	*-3.86*	
		For >200 To 400, Deduct	*-7.71*	
		For >400, Deduct	*-11.57*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0017	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	203.71	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*15.18*	
		For >20 To 50, Add	*5.69*	
		For >100 To 200, Deduct	*-4.07*	
		For >200 To 400, Deduct	*-8.15*	
		For >400, Deduct	*-12.22*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0018 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0019	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	220.25	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*26.90*	
		For >20 To 50, Add	*10.09*	
		For >100 To 200, Deduct	*-4.41*	
		For >200 To 400, Deduct	*-8.81*	
		For >400, Deduct	*-13.22*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0020	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	229.80	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*25.62*	
		For >20 To 50, Add	*9.61*	
		For >100 To 200, Deduct	*-4.60*	
		For >200 To 400, Deduct	*-9.19*	
		For >400, Deduct	*-13.79*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0021 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	164.96	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*4.78*	
		For >20 To 50, Add	*1.79*	
		For >100 To 200, Deduct	*-3.30*	
		For >200 To 400, Deduct	*-6.60*	
		For >400, Deduct	*-9.90*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	175.71	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*3.98*	
		For >20 To 50, Add	*1.49*	
		For >100 To 200, Deduct	*-3.51*	
		For >200 To 400, Deduct	*-7.03*	
		For >400, Deduct	*-10.54*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0024 Place Concrete Grade Beams *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0025	CY	Direct Chute, Place 3000 PSI Concrete Grade Beam	184.87	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*12.75*	
		For >20 To 50, Add	*4.78*	
		For >100 To 200, Deduct	*-3.70*	
		For >200 To 400, Deduct	*-7.39*	
		For >400, Deduct	*-11.09*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0026	CY	Concrete Pump, Place 3000 PSI Concrete Grade Beam Note: Excludes pumping equipment.	196.11	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*12.14*	
		For >20 To 50, Add	*4.55*	
		For >100 To 200, Deduct	*-3.92*	
		For >200 To 400, Deduct	*-7.84*	
		For >400, Deduct	*-11.77*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0027 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0028	CY	Up To 6", Direct Chute, Place 3000 PSI Concrete Slab On Grade	185.63	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*13.05*	
		For >20 To 50, Add	*4.89*	
		For >100 To 200, Deduct	*-3.71*	
		For >200 To 400, Deduct	*-7.43*	
		For >400, Deduct	*-11.14*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0029	CY	>6", Direct Chute, Place 3000 PSI Concrete Slab On Grade	177.75	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*9.90*	
		For >20 To 50, Add	*3.71*	
		For >100 To 200, Deduct	*-3.56*	
		For >200 To 400, Deduct	*-7.11*	
		For >400, Deduct	*-10.67*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0030	CY	Up To 6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	192.94	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*10.88*	
		For >20 To 50, Add	*4.08*	
		For >100 To 200, Deduct	*-3.86*	
		For >200 To 400, Deduct	*-7.72*	
		For >400, Deduct	*-11.58*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	
03 31 13 00-0031	CY	>6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	186.38	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*8.25*	
		For >20 To 50, Add	*3.09*	
		For >100 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-7.46*	
		For >400, Deduct	*-11.18*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0032 Place Concrete Duct Bank *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0033	CY	Pour Ductbank, 3000 PSI Concrete	180.00	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*10.80*	
		For >20 To 50, Add	*4.05*	
		For >100 To 200, Deduct	*-3.60*	
		For >200 To 400, Deduct	*-7.20*	
		For >400, Deduct	*-10.80*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

03 31 13 00-0034 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0035	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	299.83	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*58.73*	
		For >20 To 50, Add	*22.02*	
		For >100 To 200, Deduct	*-6.00*	
		For >200 To 400, Deduct	*-11.99*	
		For >400, Deduct	*-17.99*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0036	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	288.12	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*48.95*	
		For >20 To 50, Add	*18.36*	
		For >100 To 200, Deduct	*-5.76*	
		For >200 To 400, Deduct	*-11.52*	
		For >400, Deduct	*-17.29*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0037 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0038 Place Elevated Concrete Beams *(03 31 13 00-0037)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0039	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Beams	288.03	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*54.01*	
		For >20 To 50, Add	*20.25*	
		For >100 To 200, Deduct	*-5.76*	
		For >200 To 400, Deduct	*-11.52*	
		For >400, Deduct	*-17.28*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0040	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	241.65	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*30.36*	
		For >20 To 50, Add	*11.39*	
		For >100 To 200, Deduct	*-4.83*	
		For >200 To 400, Deduct	*-9.67*	
		For >400, Deduct	*-14.50*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0041 Place Elevated Concrete Slab *(03 31 13 00-0037)*

03 31 13 00-0042	CY	Pour Elevated Slab, < 6", Crane And Bucket, 3000 PSI Concrete	280.84	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*51.14*	
		For >20 To 50, Add	*19.18*	
		For >100 To 200, Deduct	*-5.62*	
		For >200 To 400, Deduct	*-11.23*	
		For >400, Deduct	*-16.85*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0043	CY	Pour Elevated Slab, >= 6", Crane And Bucket, 3000 PSI Concrete Note: Excludes crane and bucket.	246.43	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*37.37*	
		For >20 To 50, Add	*14.01*	
		For >100 To 200, Deduct	*-4.93*	
		For >200 To 400, Deduct	*-9.86*	
		For >400, Deduct	*-14.79*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0044	CY	Pour Elevated Slab, Up To 6", Concrete Pump, 3000 PSI Concrete Note: Excludes pumping equipment.	201.48	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*14.29*	
		For >20 To 50, Add	*5.36*	
		For >100 To 200, Deduct	*-4.03*	
		For >200 To 400, Deduct	*-8.06*	
		For >400, Deduct	*-12.09*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	
03 31 13 00-0045	CY	Pour Elevated Slab, >6", Concrete Pump, 3000 PSI Concrete Note: Excludes pumping equipment.	192.87	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*10.85*	
		For >20 To 50, Add	*4.07*	
		For >100 To 200, Deduct	*-3.86*	
		For >200 To 400, Deduct	*-7.71*	
		For >400, Deduct	*-11.57*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0046 Place Concrete Columns *(03 31 13 00-0037)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0047	CY	12" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	304.91	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*60.76*	
		For >20 To 50, Add	*22.79*	
		For >100 To 200, Deduct	*-6.10*	
		For >200 To 400, Deduct	*-12.20*	
		For >400, Deduct	*-18.29*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0048	CY	18" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	263.46	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*44.18*	
		For >20 To 50, Add	*16.57*	
		For >100 To 200, Deduct	*-5.27*	
		For >200 To 400, Deduct	*-10.54*	
		For >400, Deduct	*-15.81*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0049	CY	24" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	239.79	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*34.72*	
		For >20 To 50, Add	*13.02*	
		For >100 To 200, Deduct	*-4.80*	
		For >200 To 400, Deduct	*-9.59*	
		For >400, Deduct	*-14.39*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0050	CY	36" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns Note: Excludes crane and bucket.	213.77	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*24.31*	
		For >20 To 50, Add	*9.12*	
		For >100 To 200, Deduct	*-4.28*	
		For >200 To 400, Deduct	*-8.55*	
		For >400, Deduct	*-12.83*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0051	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	247.73	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*32.79*	
		For >20 To 50, Add	*12.30*	
		For >100 To 200, Deduct	*-4.95*	
		For >200 To 400, Deduct	*-9.91*	
		For >400, Deduct	*-14.86*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	
03 31 13 00-0052	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	225.33	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*23.83*	
		For >20 To 50, Add	*8.94*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.01*	
		For >400, Deduct	*-13.52*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0053	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	209.32	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*17.43*	
		For >20 To 50, Add	*6.54*	
		For >100 To 200, Deduct	*-4.19*	
		For >200 To 400, Deduct	*-8.37*	
		For >400, Deduct	*-12.56*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	
03 31 13 00-0054	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	202.19	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*14.58*	
		For >20 To 50, Add	*5.47*	
		For >100 To 200, Deduct	*-4.04*	
		For >200 To 400, Deduct	*-8.09*	
		For >400, Deduct	*-12.13*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0055 Place Concrete Walls *(03 31 13 00-0037)*

03 31 13 00-0056	CY	8" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls	335.37	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*72.95*	
		For >20 To 50, Add	*27.36*	
		For >100 To 200, Deduct	*-6.71*	
		For >200 To 400, Deduct	*-13.41*	
		For >400, Deduct	*-20.12*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0057	CY	12" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls Note: Excludes crane and bucket.	314.40	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*64.56*	
		For >20 To 50, Add	*24.21*	
		For >100 To 200, Deduct	*-6.29*	
		For >200 To 400, Deduct	*-12.58*	
		For >400, Deduct	*-18.86*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0058	CY	15" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls Note: Excludes crane and bucket.	306.71	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*61.48*	
		For >20 To 50, Add	*23.06*	
		For >100 To 200, Deduct	*-6.13*	
		For >200 To 400, Deduct	*-12.27*	
		For >400, Deduct	*-18.40*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0059	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	233.70	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*32.28*	
		For >20 To 50, Add	*12.11*	
		For >100 To 200, Deduct	*-4.67*	
		For >200 To 400, Deduct	*-9.35*	
		For >400, Deduct	*-14.02*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0060	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	217.55	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*25.82*	
		For >20 To 50, Add	*9.68*	
		For >100 To 200, Deduct	*-4.35*	
		For >200 To 400, Deduct	*-8.70*	
		For >400, Deduct	*-13.05*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0061	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	209.49	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*22.60*	
		For >20 To 50, Add	*8.47*	
		For >100 To 200, Deduct	*-4.19*	
		For >200 To 400, Deduct	*-8.38*	
		For >400, Deduct	*-12.57*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0062	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	242.60	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*30.74*	
		For >20 To 50, Add	*11.53*	
		For >100 To 200, Deduct	*-4.85*	
		For >200 To 400, Deduct	*-9.70*	
		For >400, Deduct	*-14.56*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0063	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	227.23	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*24.59*	
		For >20 To 50, Add	*9.22*	
		For >100 To 200, Deduct	*-4.54*	
		For >200 To 400, Deduct	*-9.09*	
		For >400, Deduct	*-13.63*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	
03 31 13 00-0064	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	219.55	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*21.52*	
		For >20 To 50, Add	*8.07*	
		For >100 To 200, Deduct	*-4.39*	
		For >200 To 400, Deduct	*-8.78*	
		For >400, Deduct	*-13.17*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0065 Place Elevated Concrete Stairs *(03 31 13 00-0037)*

03 31 13 00-0066	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	301.70	
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*54.38*	
		For >20 To 50, Add	*20.39*	
		For >100 To 200, Deduct	*-6.03*	
		For >200 To 400, Deduct	*-12.07*	
		For >400, Deduct	*-18.10*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0067	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Stairs	429.11	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*110.44*	
		For >20 To 50, Add	*41.42*	
		For >100 To 200, Deduct	*-8.58*	
		For >200 To 400, Deduct	*-17.16*	
		For >400, Deduct	*-25.75*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	

03 31 13 00-0068 Place Concrete Coping *(03 31 13 00-0037)*

03 31 13 00-0069	CY	Direct Chute, Place 3,000 PSI Concrete Coping	315.04	
		For 2,000 PSI Concrete, Deduct	*-5.20*	
		For 2,500 PSI Concrete, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*2.60*	
		For 3,750 PSI Concrete, Add	*3.90*	
		For 4,000 PSI Concrete, Add	*5.20*	
		For 4,500 PSI Concrete, Add	*7.80*	
		For 5,000 PSI Concrete, Add	*10.40*	
		For 6,000 PSI Concrete, Add	*13.01*	
		For 7,500 PSI Concrete, Add	*20.81*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*45.90*	
		For Up To 20, Add	*64.82*	
		For >20 To 50, Add	*24.31*	
		For >100 To 200, Deduct	*-6.30*	
		For >200 To 400, Deduct	*-12.60*	
		For >400, Deduct	*-18.90*	
		For DOT Class D, Add	*65.94*	
		For DOT Class E, Add	*57.38*	
		For DOT Class F, Add	*66.40*	
		For DOT Class G, Add	*63.80*	
03 31 13 00-0070	CY	Concrete Pump, Place 3,000 PSI Concrete Coping	411.18	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.64*	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,500 PSI Concrete, Add	*2.82*	
		For 3,750 PSI Concrete, Add	*4.23*	
		For 4,000 PSI Concrete, Add	*5.64*	
		For 4,500 PSI Concrete, Add	*8.45*	
		For 5,000 PSI Concrete, Add	*11.27*	
		For 6,000 PSI Concrete, Add	*14.09*	
		For 7,500 PSI Concrete, Add	*22.54*	
		For White Cement Concrete, Add	*19.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*21.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*16.58*	
		For Lightweight Aggregate, ASTM C330, Add	*49.73*	
		For Up To 20, Add	*98.17*	
		For >20 To 50, Add	*36.81*	
		For >100 To 200, Deduct	*-8.22*	
		For >200 To 400, Deduct	*-16.45*	
		For >400, Deduct	*-24.67*	
		For DOT Class D, Add	*71.44*	
		For DOT Class E, Add	*62.16*	
		For DOT Class F, Add	*71.94*	
		For DOT Class G, Add	*69.12*	

03 31 13 00-0071 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

03 31 13 00-0072	CY	50' Haul, Non Motorized, Concrete Buggy	19.32
03 31 13 00-0073	CY	150' Haul, Non Motorized, Concrete Buggy	25.87
03 31 13 00-0074	CY	250' Haul, Non Motorized, Concrete Buggy	34.50
03 31 13 00-0075	CY	50' Haul, Motorized, Concrete Buggy	8.37
03 31 13 00-0076	CY	150' Haul, Motorized, Concrete Buggy	11.23
03 31 13 00-0077	CY	250' Haul, Motorized, Concrete Buggy	14.97

03 31 13 00-0078 Concrete Bucket *(03 31 13 00-0010)*

Note: Excludes crane rental. Use "Direct Chute" concrete tasks from appropriate section to place into bucket and place concrete.

03 31 13 00-0079	DAY	2 CY Concrete Bucket Rental	132.49

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0080		Delivery Fee For Small Purchases *(03 31 13)*		
03 31 13 00-0081	EA	Up To 3 CY, Delivery Fee For Concrete Purchases	150.00	
03 31 13 00-0082	EA	>3 To <7 CY, Delivery Fee For Concrete Purchases	75.00	
03 31 16		**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001		Low Density Cellular / Foam Concrete Fill *(03 31 16)*		
03 31 16 00-0002	CY	Lightweight Low Density Cellular/Foam Concrete	219.81	
03 35		Concrete Finishing *(03 30)*		
03 35 13		**High-Tolerance Concrete Floor Finishing** *(03 35)*		
03 35 13 00-0001		Floor Finishes *(03 35 13)*		
		Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF	Screed, Concrete Floor Finish	0.87	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.22*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.09*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.04	
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.15	
		For Up To 100, Add	*2.30*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.33	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.33*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.13*	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.51	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.15*	
03 35 16		**Heavy-Duty Concrete Floor Finishing** *(03 35)*		
03 35 16 00-0001		Shake On Floor Hardeners *(03 35 16)*		
03 35 16 00-0002	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener	1.09	
03 35 16 00-0003	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener	1.69	
03 35 16 00-0004	SF	0.3 LB/SF, Non Metallic, Shake On Floor Hardener	1.03	
03 35 16 00-0005	SF	0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.25	
03 35 19		**Colored Concrete Finishing** *(03 35)*		
03 35 19 00-0001		Concrete Surface Treatments *(03 35 19)*		
03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.40	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	2.16	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.26	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.27	
03 35 23		**Exposed Aggregate Concrete Finishing** *(03 35)*		
03 35 23 00-0001		Exposed Aggregate, Concrete Finish *(03 35 23)*		
03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	2.88	
03 35 26		**Grooved Concrete Surface Finishing** *(03 35)*		
03 35 26 00-0001		Ramp, Grooved Concrete Surface Finishing *(03 35 26)*		
03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	3.15	
03 35 33		**Stamped Concrete Finishing** *(03 35)*		
03 35 33 00-0001		Stamped Concrete Finishes *(03 35 33)*		
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	3.44	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	3.11	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	2.97	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43		**Polished Concrete Finishing** *(03 35)*		
03 35 43 00-0001		Concrete Floor Polishing System *(03 35 43)*		
		Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	1.60	
		For Up To 500, Add	*3.10*	
		For >500 To 1,000, Add	*2.88*	
		For >1,000 To 2,500, Add	*1.90*	
		For >2,500 To 4,000, Add	*0.99*	
		For >8,000 To 15,000, Deduct	*-0.38*	
		For >15,000 To 25,000, Deduct	*-0.49*	
		For >25,000, Deduct	*-0.69*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.28	
		For Up To 500, Add	*2.48*	
		For >500 To 1,000, Add	*2.30*	
		For >1,000 To 2,500, Add	*1.52*	
		For >2,500 To 4,000, Add	*0.79*	
		For >8,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 25,000, Deduct	*-0.39*	
		For >25,000, Deduct	*-0.55*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.06	
		For Up To 500, Add	*2.06*	
		For >500 To 1,000, Add	*1.91*	
		For >1,000 To 2,500, Add	*1.26*	
		For >2,500 To 4,000, Add	*0.66*	
		For >8,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 25,000, Deduct	*-0.32*	
		For >25,000, Deduct	*-0.46*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	0.99	
		For Up To 500, Add	*1.92*	
		For >500 To 1,000, Add	*1.78*	
		For >1,000 To 2,500, Add	*1.18*	
		For >2,500 To 4,000, Add	*0.61*	
		For >8,000 To 15,000, Deduct	*-0.24*	
		For >15,000 To 25,000, Deduct	*-0.30*	
		For >25,000, Deduct	*-0.43*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.91	
		For Up To 500, Add	*1.77*	
		For >500 To 1,000, Add	*1.64*	
		For >1,000 To 2,500, Add	*1.08*	
		For >2,500 To 4,000, Add	*0.56*	
		For >8,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 25,000, Deduct	*-0.28*	
		For >25,000, Deduct	*-0.39*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.91	
		For Up To 500, Add	*1.77*	
		For >500 To 1,000, Add	*1.64*	
		For >1,000 To 2,500, Add	*1.08*	
		For >2,500 To 4,000, Add	*0.56*	
		For >8,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 25,000, Deduct	*-0.28*	
		For >25,000, Deduct	*-0.39*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.91	
		For Up To 500, Add	*1.77*	
		For >500 To 1,000, Add	*1.64*	
		For >1,000 To 2,500, Add	*1.08*	
		For >2,500 To 4,000, Add	*0.56*	
		For >8,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 25,000, Deduct	*-0.28*	
		For >25,000, Deduct	*-0.39*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.91	
		For Up To 500, Add	*1.77*	
		For >500 To 1,000, Add	*1.64*	
		For >1,000 To 2,500, Add	*1.08*	
		For >2,500 To 4,000, Add	*0.56*	
		For >8,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 25,000, Deduct	*-0.28*	
		For >25,000, Deduct	*-0.39*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.19	
		For Up To 500, Add	*0.37*	
		For >500 To 1,000, Add	*0.34*	
		For >1,000 To 2,500, Add	*0.23*	
		For >2,500 To 4,000, Add	*0.12*	
		For >8,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 25,000, Deduct	*-0.06*	
		For >25,000, Deduct	*-0.08*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier	0.25	
		For Up To 500, Add	*0.49*	
		For >500 To 1,000, Add	*0.45*	
		For >1,000 To 2,500, Add	*0.30*	
		For >2,500 To 4,000, Add	*0.16*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.08*	
		For >25,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector	0.25	
		For Up To 500, Add	*0.49*	
		For >500 To 1,000, Add	*0.45*	
		For >1,000 To 2,500, Add	*0.30*	
		For >2,500 To 4,000, Add	*0.16*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.08*	
		For >25,000, Deduct	*-0.11*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.13	
		For Up To 500, Add	*0.25*	
		For >500 To 1,000, Add	*0.23*	
		For >1,000 To 2,500, Add	*0.15*	
		For >2,500 To 4,000, Add	*0.08*	
		For >8,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 25,000, Deduct	*-0.04*	
		For >25,000, Deduct	*-0.06*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.22	
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.12	
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.89	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.04*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.54	
		For Up To 100, Add	*2.90*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.15*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.32	
		For Up To 100, Add	*4.38*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.55*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000, Deduct	*-0.22*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	0.97	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.05*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	4.66	
		For Up To 100, Add	*9.24*	
		For >100 To 250, Add	*2.31*	
		For >250 To 500, Add	*1.16*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.46*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	7.23	
		For Up To 100, Add	*14.28*	
		For >100 To 250, Add	*3.57*	
		For >250 To 500, Add	*1.79*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000, Deduct	*-0.71*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	0.89	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.02	
		For Up To 100, Add	*5.82*	
		For >100 To 250, Add	*1.46*	
		For >250 To 500, Add	*0.73*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	4.60	
		For Up To 100, Add	*8.98*	
		For >100 To 250, Add	*2.25*	
		For >250 To 500, Add	*1.12*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.45*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes	2.72	
		For Up To 100, Add	*4.64*	
		For >100 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000, Deduct	*-0.23*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes	7.60	
		For Up To 100, Add	*13.60*	
		For >100 To 250, Add	*3.40*	
		For >250 To 500, Add	*1.70*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000, Deduct	*-0.68*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	4.49	
		For Up To 25, Add	*0.68*	
		For >25 To 50, Add	*0.38*	
		For >50 To 150, Add	*0.12*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	8.67	
		For Up To 25, Add	*1.29*	
		For >25 To 50, Add	*0.71*	
		For >50 To 150, Add	*0.21*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	12.59	
		For Up To 25, Add	*1.83*	
		For >25 To 50, Add	*1.01*	
		For >50 To 150, Add	*0.28*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	16.27	
		For Up To 25, Add	*2.31*	
		For >25 To 50, Add	*1.27*	
		For >50 To 150, Add	*0.34*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	23.11	
		For Up To 25, Add	*3.14*	
		For >25 To 50, Add	*1.71*	
		For >50 To 150, Add	*0.41*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.14	
		For Radius Or Irregular Surface, Add	*0.86*	
		For Up To 25, Add	*0.74*	
		For >25 To 50, Add	*0.42*	
		For >50 To 150, Add	*0.16*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.85	
		For Radius Or Irregular Surface, Add	*1.54*	
		For Up To 25, Add	*1.36*	
		For >25 To 50, Add	*0.78*	
		For >50 To 150, Add	*0.29*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	11.18	
		For Radius Or Irregular Surface, Add	*2.08*	
		For Up To 25, Add	*1.90*	
		For >25 To 50, Add	*1.08*	
		For >50 To 150, Add	*0.39*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.23	
		For Radius Or Irregular Surface, Add	*2.50*	
		For Up To 25, Add	*2.36*	
		For >25 To 50, Add	*1.34*	
		For >50 To 150, Add	*0.47*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck Or Trailer *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	118.78	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	124.75	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	146.32	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	159.74	
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	173.59	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	202.94	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	220.44	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	262.84	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	91.95	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		0.24	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets		27.69	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket		180.75	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket		25.93	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size		32.69	3.11

03 48 54 Precast Concrete Blocks *(03 48)*

03 48 54 00-0001 Precast Concrete Blocks *(03 48 54)*

03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block		88.15	31.86
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block		125.11	39.83
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block		205.90	47.79

03 50 Cast Decks And Underlayment *(03)*

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		1.45	
		For Up To 100 SF, Add		*0.12*	
		For >100 To 250 SF, Add		*0.06*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		2.54	
		For Up To 100 SF, Add		*0.12*	
		For >100 To 250 SF, Add		*0.06*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		3.26	
		For Up To 100 SF, Add		*0.12*	
		For >100 To 250 SF, Add		*0.06*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		4.71	
		For Up To 100 SF, Add		*0.12*	
		For >100 To 250 SF, Add		*0.06*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		5.57	
		For Up To 100 SF, Add		*0.12*	
		For >100 To 250 SF, Add		*0.06*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		6.92	
		For Up To 100 SF, Add		*0.14*	
		For >100 To 250 SF, Add		*0.07*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		9.08	
		For Up To 100 SF, Add		*0.14*	
		For >100 To 250 SF, Add		*0.07*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation		12.01	
		For Up To 100 SF, Add		*0.16*	
		For >100 To 250 SF, Add		*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	13.47	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	17.89	
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	402.15

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	22.93
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	34.09

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	35.20
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	56.59

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.69
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.20
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.93

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.51
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.36
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.47

03 62 16 Metallic Non-Shrink Grouting *(03 62)*

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases *(03 62 16)*

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	29.67
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	45.88

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints *(03 62 16)*

03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.34
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.68
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.26

03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	1.84
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.32
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.10

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting *(03 64)*

03 64 23 00-0001 Pressure Injected Epoxy Grout *(03 64 23)*

03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,131.67
		For >4, Deduct	*-120.40*

03 64 26 Cementitious Injection Grouting *(03 64)*

03 64 26 00-0001 Pressure Injected Cementitious Grout *(03 64 26)*

03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	141.84
		For >4, Deduct	*-34.81*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 80 Concrete Cutting And Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*
See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*
See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*
See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance Of Masonry *(04)*

04 01 20 Maintenance Of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	19.73
		For Up To 10, Add	*7.90*
		For >10 To 50, Add	*3.95*
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	29.06
		For Up To 10, Add	*7.90*
		For >10 To 50, Add	*3.95*
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	39.19
		For Up To 10, Add	*7.90*
		For >10 To 50, Add	*3.95*

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.75
		For Up To 10, Add	*7.90*
		For >10 To 50, Add	*3.95*
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	32.65
		For Up To 10, Add	*7.90*
		For >10 To 50, Add	*3.95*
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	44.58
		For Up To 10, Add	*7.90*
		For >10 To 50, Add	*3.95*

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	50.87
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	56.18
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	179.15
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	50.87
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	56.18
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.20
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	73.54
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	179.15
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	53.76
		For Up To 10, Add	*31.60*
		For >10 To 50, Add	*15.80*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.02	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	203.19	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	53.76	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.02	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	67.01	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	80.27	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	203.19	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	

04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.83	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.78	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.63	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.58	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.83	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.78	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.63	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.53	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	9.83	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.15	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	

04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.83	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.78	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.63	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.58	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.83	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.78	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.63	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.53	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	9.83	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.15	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	

04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.

04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.59	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.93	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.00	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.14	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.39	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.60	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.70	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.84	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.44	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.53	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.26	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.88	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.41	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.27	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.93	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.14	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.71	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.08	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.41	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.70	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.89	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0086	EA		10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.03	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0087	EA		10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.25	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0088	EA		10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.34	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0089	EA		10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.77	
			For Up To 10, Add	*4.74*	
			For >10 To 50, Add	*2.37*	
			For Metal Stud Clip, Add	*2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.38	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.90	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.54	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.04	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.00	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.04	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.51	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.73	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.87	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.97	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.28	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.76	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.94	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.42	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.07	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.49	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.79	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.98	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.11	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.42	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.06	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*2.37*	
		For >10 To 50, Add	*1.19*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.13	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.56	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.65	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.82	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.13	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.39	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.52	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.69	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.32	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.43	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.34	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.11	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.78	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.11	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.99	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.75	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.35	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.77	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.19	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.56	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.80	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.96	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.23	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.35	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.85	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.54	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.18	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.99	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.36	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.45	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.25	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.37	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.61	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.78	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.91	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.29	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.90	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.10	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.70	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.99	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.51	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.88	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.12	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.28	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.67	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
		For Metal Stud Clip, Add	*2.20*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	4.48	
		For Up To 10, Add	*2.37*	
		For >10 To 50, Add	*1.19*	

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.27	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.32	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.56	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.63	
		For Up To 10, Add	*4.74*	
		For >10 To 50, Add	*2.37*	

04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.

04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	40.29	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	

04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	41.62	
		For Up To 10, Add	*31.60*	
		For >10 To 50, Add	*15.80*	

04 01 20 41-0170 Unit Masonry Stabilization *(04 01 20 41)*

04 01 20 41-0171 Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*

04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.	64.63	
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.	70.14	

04 01 20 51 Unit Masonry Maintenance *(04 01 20)*

04 01 20 51-0001 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0002	SF	Grind Smooth Masonry Wall	3.01	

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

See CSI section 03 01 30 71-0029 for crack repair.

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	7.96	
		For Common Or American Bond, Add	*0.30*	
		For Flemish Bond, Add	*1.04*	
		For English Bond, Add	*1.70*	
		For >250 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.77*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	5.58	
		For Common Or American Bond, Add	*0.20*	
		For Flemish Bond, Add	*0.70*	
		For English Bond, Add	*1.15*	
		For >250 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.53*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	4.27	
		For Common Or American Bond, Add	*0.15*	
		For >250 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.40*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	3.08	
		For Common Or American Bond, Add	*0.10*	
		For >250 To 1,000, Deduct	*-0.13*	
		For >1,000, Deduct	*-0.28*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	2.61	

04 01 20 91-0007 Repair Masonry *(04 01 20 91)*

Note: Includes mortar for repair.

04 01 20 91-0008	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	24.32	
		For Cracks Accessible From Both Sides, Add	*4.93*	
04 01 20 91-0009	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	22.25	
		For Cracks Accessible From Both Sides, Add	*4.93*	
04 01 20 91-0010	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	6.47	
		For V-Grooving Crack With Grinder, Add	*4.55*	
04 01 20 91-0011	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	8.80	
		For V-Grooving Crack With Grinder, Add	*4.31*	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	5.52	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	11.03	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	16.56	

04 05 Common Work Results For Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Portland Cement *(04 05 13 26)*

04 05 13 26-0002	CF	Normal Portland Cement (Type I)	12.71
04 05 13 26-0003	CF	Modified Portland Cement (Type II)	6.34
04 05 13 26-0004	CF	High Early Strength Portland Cement (Type III)	6.73
04 05 13 26-0005	CF	White Non Staining Portland Cement (Type I)	14.08

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Does not include reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	3.71
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	4.06
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	4.55
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	5.09

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	2.86
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	4.20
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	6.00
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	7.39
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	8.73

04 05 16 26-0012 Grout Cavity Walls, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	3.43
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	4.82
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	6.08
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	8.27

04 05 16 26-0017 Grout Frames, Grout Fill *(04 05 16 26)*

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	5.47
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	4.71

04 05 16 26-0020 Sand Filled Walls *(04 05 16 26)*

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	2.83
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	3.90
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	4.82
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	6.46

04 05 19 Masonry Anchorage And Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing *(04 05 19 13)*

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	54.93
		For Hot-Dipped Galvanized, Add	*12.00*
		For Stainless Steel, Add	*48.00*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	58.25	
		For Hot-Dipped Galvanized, Add	*12.61*	
		For Stainless Steel, Add	*50.42*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.63	
		For Hot-Dipped Galvanized, Add	*13.29*	
		For Stainless Steel, Add	*53.14*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	67.78	
		For Hot-Dipped Galvanized, Add	*14.06*	
		For Stainless Steel, Add	*56.24*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	73.68	
		For Hot-Dipped Galvanized, Add	*14.81*	
		For Stainless Steel, Add	*59.24*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	77.94	
		For Hot-Dipped Galvanized, Add	*15.18*	
		For Stainless Steel, Add	*60.72*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.16	
		For Hot-Dipped Galvanized, Add	*15.60*	
		For Stainless Steel, Add	*62.40*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.03	
		For Hot-Dipped Galvanized, Add	*21.45*	
		For Stainless Steel, Add	*85.78*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.61	
		For Hot-Dipped Galvanized, Add	*33.15*	
		For Stainless Steel, Add	*132.60*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	68.24	
		For Hot-Dipped Galvanized, Add	*18.65*	
		For Stainless Steel, Add	*74.60*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	71.70	
		For Hot-Dipped Galvanized, Add	*19.33*	
		For Stainless Steel, Add	*77.32*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.23	
		For Hot-Dipped Galvanized, Add	*20.09*	
		For Stainless Steel, Add	*80.34*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.23	
		For Hot-Dipped Galvanized, Add	*20.79*	
		For Stainless Steel, Add	*83.14*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.10	
		For Hot-Dipped Galvanized, Add	*21.52*	
		For Stainless Steel, Add	*86.08*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.42	
		For Hot-Dipped Galvanized, Add	*21.93*	
		For Stainless Steel, Add	*87.70*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.55	
		For Hot-Dipped Galvanized, Add	*22.29*	
		For Stainless Steel, Add	*89.16*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.72	
		For Hot-Dipped Galvanized, Add	*30.29*	
		For Stainless Steel, Add	*121.16*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.96	
		For Hot-Dipped Galvanized, Add	*48.33*	
		For Stainless Steel, Add	*193.32*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.14	
		For Hot-Dipped Galvanized, Add	*25.10*	
		For Stainless Steel, Add	*100.40*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.28	
		For Hot-Dipped Galvanized, Add	*26.48*	
		For Stainless Steel, Add	*105.92*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.42	
		For Hot-Dipped Galvanized, Add	*27.86*	
		For Stainless Steel, Add	*111.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.69	
		For Hot-Dipped Galvanized, Add	*29.52*	
		For Stainless Steel, Add	*118.06*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.93	
		For Hot-Dipped Galvanized, Add	*31.15*	
		For Stainless Steel, Add	*124.60*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.65	
		For Hot-Dipped Galvanized, Add	*32.03*	
		For Stainless Steel, Add	*128.12*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.14	
		For Hot-Dipped Galvanized, Add	*32.79*	
		For Stainless Steel, Add	*131.14*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.72	
		For Hot-Dipped Galvanized, Add	*34.29*	
		For Stainless Steel, Add	*137.16*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.24	
		For Hot-Dipped Galvanized, Add	*56.97*	
		For Stainless Steel, Add	*227.86*	
04 05 19 13-0034		**Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)*		
04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.58	
		For Hot-Dipped Galvanized, Add	*27.32*	
		For Stainless Steel, Add	*109.28*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.88	
		For Hot-Dipped Galvanized, Add	*27.92*	
		For Stainless Steel, Add	*111.66*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.24	
		For Hot-Dipped Galvanized, Add	*28.60*	
		For Stainless Steel, Add	*114.38*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.40	
		For Hot-Dipped Galvanized, Add	*29.37*	
		For Stainless Steel, Add	*117.48*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.31	
		For Hot-Dipped Galvanized, Add	*30.12*	
		For Stainless Steel, Add	*120.48*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.57	
		For Hot-Dipped Galvanized, Add	*30.49*	
		For Stainless Steel, Add	*121.96*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.78	
		For Hot-Dipped Galvanized, Add	*30.91*	
		For Stainless Steel, Add	*123.64*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.65	
		For Hot-Dipped Galvanized, Add	*36.76*	
		For Stainless Steel, Add	*147.02*	
04 05 19 13-0043		**Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)*		
04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.88	
		For Hot-Dipped Galvanized, Add	*33.97*	
		For Stainless Steel, Add	*135.88*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.36	
		For Hot-Dipped Galvanized, Add	*34.66*	
		For Stainless Steel, Add	*138.62*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.86	
		For Hot-Dipped Galvanized, Add	*35.41*	
		For Stainless Steel, Add	*141.62*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.87	
		For Hot-Dipped Galvanized, Add	*36.11*	
		For Stainless Steel, Add	*144.42*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.75	
		For Hot-Dipped Galvanized, Add	*36.84*	
		For Stainless Steel, Add	*147.36*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.06	
		For Hot-Dipped Galvanized, Add	*37.25*	
		For Stainless Steel, Add	*148.98*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0050	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.18	
	For Hot-Dipped Galvanized, Add	*37.61*	
	For Stainless Steel, Add	*150.44*	
04 05 19 13-0051	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.36	
	For Hot-Dipped Galvanized, Add	*45.61*	
	For Stainless Steel, Add	*182.44*	
04 05 19 13-0052	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.61	
	For Hot-Dipped Galvanized, Add	*63.66*	
	For Stainless Steel, Add	*254.62*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.76	
	For Hot-Dipped Galvanized, Add	*40.41*	
	For Stainless Steel, Add	*161.64*	
04 05 19 13-0055	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.91	
	For Hot-Dipped Galvanized, Add	*41.80*	
	For Stainless Steel, Add	*167.18*	
04 05 19 13-0056	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.05	
	For Hot-Dipped Galvanized, Add	*43.18*	
	For Stainless Steel, Add	*172.70*	
04 05 19 13-0057	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.30	
	For Hot-Dipped Galvanized, Add	*44.82*	
	For Stainless Steel, Add	*179.28*	
04 05 19 13-0058	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.56	
	For Hot-Dipped Galvanized, Add	*46.47*	
	For Stainless Steel, Add	*185.86*	
04 05 19 13-0059	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.27	
	For Hot-Dipped Galvanized, Add	*47.34*	
	For Stainless Steel, Add	*189.36*	
04 05 19 13-0060	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.76	
	For Hot-Dipped Galvanized, Add	*48.10*	
	For Stainless Steel, Add	*192.38*	
04 05 19 13-0061	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.34	
	For Hot-Dipped Galvanized, Add	*49.60*	
	For Stainless Steel, Add	*198.40*	
04 05 19 13-0062	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.87	
	For Hot-Dipped Galvanized, Add	*72.28*	
	For Stainless Steel, Add	*289.12*	

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.21	
	For Hot-Dipped Galvanized, Add	*42.64*	
	For Stainless Steel, Add	*170.54*	
04 05 19 13-0065	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.51	
	For Hot-Dipped Galvanized, Add	*43.23*	
	For Stainless Steel, Add	*172.92*	
04 05 19 13-0066	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.87	
	For Hot-Dipped Galvanized, Add	*43.91*	
	For Stainless Steel, Add	*175.64*	
04 05 19 13-0067	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.02	
	For Hot-Dipped Galvanized, Add	*44.68*	
	For Stainless Steel, Add	*178.72*	
04 05 19 13-0068	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.94	
	For Hot-Dipped Galvanized, Add	*45.44*	
	For Stainless Steel, Add	*181.74*	
04 05 19 13-0069	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.19	
	For Hot-Dipped Galvanized, Add	*45.80*	
	For Stainless Steel, Add	*183.20*	
04 05 19 13-0070	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.40	
	For Hot-Dipped Galvanized, Add	*46.22*	
	For Stainless Steel, Add	*184.88*	
04 05 19 13-0071	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.27	
	For Hot-Dipped Galvanized, Add	*52.07*	
	For Stainless Steel, Add	*208.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.86	
		For Hot-Dipped Galvanized, Add	*63.78*	
		For Stainless Steel, Add	*255.10*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.51	
		For Hot-Dipped Galvanized, Add	*49.29*	
		For Stainless Steel, Add	*197.14*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.98	
		For Hot-Dipped Galvanized, Add	*49.97*	
		For Stainless Steel, Add	*199.86*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.49	
		For Hot-Dipped Galvanized, Add	*50.72*	
		For Stainless Steel, Add	*202.88*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.50	
		For Hot-Dipped Galvanized, Add	*51.42*	
		For Stainless Steel, Add	*205.68*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	148.38	
		For Hot-Dipped Galvanized, Add	*52.16*	
		For Stainless Steel, Add	*208.62*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.68	
		For Hot-Dipped Galvanized, Add	*52.56*	
		For Stainless Steel, Add	*210.22*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.81	
		For Hot-Dipped Galvanized, Add	*52.93*	
		For Stainless Steel, Add	*211.70*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.99	
		For Hot-Dipped Galvanized, Add	*60.93*	
		For Stainless Steel, Add	*243.70*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	214.23	
		For Hot-Dipped Galvanized, Add	*78.97*	
		For Stainless Steel, Add	*315.86*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.39	
		For Hot-Dipped Galvanized, Add	*55.73*	
		For Stainless Steel, Add	*222.90*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.53	
		For Hot-Dipped Galvanized, Add	*57.11*	
		For Stainless Steel, Add	*228.42*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.68	
		For Hot-Dipped Galvanized, Add	*58.49*	
		For Stainless Steel, Add	*233.96*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.93	
		For Hot-Dipped Galvanized, Add	*60.14*	
		For Stainless Steel, Add	*240.54*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.19	
		For Hot-Dipped Galvanized, Add	*61.78*	
		For Stainless Steel, Add	*247.12*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.90	
		For Hot-Dipped Galvanized, Add	*62.66*	
		For Stainless Steel, Add	*250.62*	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.39	
		For Hot-Dipped Galvanized, Add	*63.41*	
		For Stainless Steel, Add	*253.64*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	182.97	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	231.50	
		For Hot-Dipped Galvanized, Add	*87.60*	
		For Stainless Steel, Add	*350.38*	

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	80.95	
		For Hot-Dipped Galvanized, Add	*20.40*	
		For Stainless Steel, Add	*81.60*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	89.15	
		For Hot-Dipped Galvanized, Add	*22.27*	
		For Stainless Steel, Add	*89.08*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	96.93	
		For Hot-Dipped Galvanized, Add	*23.93*	
		For Stainless Steel, Add	*95.70*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	103.30	
		For Hot-Dipped Galvanized, Add	*24.88*	
		For Stainless Steel, Add	*99.52*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	107.30	
		For Hot-Dipped Galvanized, Add	*25.77*	
		For Stainless Steel, Add	*103.06*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	115.24	
		For Hot-Dipped Galvanized, Add	*27.73*	
		For Stainless Steel, Add	*110.92*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	122.04	
		For Hot-Dipped Galvanized, Add	*29.35*	
		For Stainless Steel, Add	*117.38*	
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	97.52	
		For Hot-Dipped Galvanized, Add	*28.69*	
		For Stainless Steel, Add	*114.74*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	105.77	
		For Hot-Dipped Galvanized, Add	*30.58*	
		For Stainless Steel, Add	*122.32*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	113.36	
		For Hot-Dipped Galvanized, Add	*32.14*	
		For Stainless Steel, Add	*128.56*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	119.92	
		For Hot-Dipped Galvanized, Add	*33.19*	
		For Stainless Steel, Add	*132.76*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.87	
		For Hot-Dipped Galvanized, Add	*34.05*	
		For Stainless Steel, Add	*136.20*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	131.82	
		For Hot-Dipped Galvanized, Add	*36.02*	
		For Stainless Steel, Add	*144.08*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	138.84	
		For Hot-Dipped Galvanized, Add	*37.75*	
		For Stainless Steel, Add	*150.98*	
04 05 19 13-0110		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	105.57	
		For Hot-Dipped Galvanized, Add	*32.71*	
		For Stainless Steel, Add	*130.84*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	115.73	
		For Hot-Dipped Galvanized, Add	*35.56*	
		For Stainless Steel, Add	*142.24*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	125.78	
		For Hot-Dipped Galvanized, Add	*38.35*	
		For Stainless Steel, Add	*153.40*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	133.22	
		For Hot-Dipped Galvanized, Add	*39.84*	
		For Stainless Steel, Add	*159.36*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	138.17	
		For Hot-Dipped Galvanized, Add	*41.20*	
		For Stainless Steel, Add	*164.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	147.99	
		For Hot-Dipped Galvanized, Add	*44.11*	
		For Stainless Steel, Add	*176.42*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	157.25	
		For Hot-Dipped Galvanized, Add	*46.95*	
		For Stainless Steel, Add	*187.80*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	125.56	
		For Hot-Dipped Galvanized, Add	*42.71*	
		For Stainless Steel, Add	*170.82*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	132.63	
		For Hot-Dipped Galvanized, Add	*44.01*	
		For Stainless Steel, Add	*176.04*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	139.75	
		For Hot-Dipped Galvanized, Add	*45.34*	
		For Stainless Steel, Add	*181.34*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	149.38	
		For Hot-Dipped Galvanized, Add	*46.81*	
		For Stainless Steel, Add	*187.22*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	156.33	
		For Hot-Dipped Galvanized, Add	*48.28*	
		For Stainless Steel, Add	*193.10*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.38	
		For Hot-Dipped Galvanized, Add	*50.52*	
		For Stainless Steel, Add	*202.06*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	151.55	
		For Hot-Dipped Galvanized, Add	*55.70*	
		For Stainless Steel, Add	*222.80*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.65	
		For Hot-Dipped Galvanized, Add	*57.02*	
		For Stainless Steel, Add	*228.08*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	166.10	
		For Hot-Dipped Galvanized, Add	*58.51*	
		For Stainless Steel, Add	*234.04*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	175.40	
		For Hot-Dipped Galvanized, Add	*59.82*	
		For Stainless Steel, Add	*239.26*	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	182.39	
		For Hot-Dipped Galvanized, Add	*61.31*	
		For Stainless Steel, Add	*245.22*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	188.94	
		For Hot-Dipped Galvanized, Add	*62.80*	
		For Stainless Steel, Add	*251.18*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	153.46	
		For Hot-Dipped Galvanized, Add	*56.66*	
		For Stainless Steel, Add	*226.62*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	162.00	
		For Hot-Dipped Galvanized, Add	*58.70*	
		For Stainless Steel, Add	*234.78*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	170.51	
		For Hot-Dipped Galvanized, Add	*60.72*	
		For Stainless Steel, Add	*242.86*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	182.09	
		For Hot-Dipped Galvanized, Add	*63.16*	
		For Stainless Steel, Add	*252.64*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		190.95	
		For Hot-Dipped Galvanized, Add		*65.59*	
		For Stainless Steel, Add		*262.34*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		199.34	
		For Hot-Dipped Galvanized, Add		*68.00*	
		For Stainless Steel, Add		*271.98*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		134.88	
		For Hot-Dipped Galvanized, Add		*45.14*	
		For Stainless Steel, Add		*180.54*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		141.92	
		For Hot-Dipped Galvanized, Add		*46.42*	
		For Stainless Steel, Add		*185.68*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		151.18	
		For Hot-Dipped Galvanized, Add		*47.71*	
		For Stainless Steel, Add		*190.82*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		158.24	
		For Hot-Dipped Galvanized, Add		*49.23*	
		For Stainless Steel, Add		*196.92*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		164.75	
		For Hot-Dipped Galvanized, Add		*50.70*	
		For Stainless Steel, Add		*202.80*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		173.15	
		For Hot-Dipped Galvanized, Add		*53.66*	
		For Stainless Steel, Add		*214.64*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		160.90	
		For Hot-Dipped Galvanized, Add		*58.15*	
		For Stainless Steel, Add		*232.58*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		167.98	
		For Hot-Dipped Galvanized, Add		*59.45*	
		For Stainless Steel, Add		*237.80*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		177.61	
		For Hot-Dipped Galvanized, Add		*60.92*	
		For Stainless Steel, Add		*243.68*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		184.23	
		For Hot-Dipped Galvanized, Add		*62.23*	
		For Stainless Steel, Add		*248.90*	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		190.77	
		For Hot-Dipped Galvanized, Add		*63.71*	
		For Stainless Steel, Add		*254.84*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		199.50	
		For Hot-Dipped Galvanized, Add		*66.84*	
		For Stainless Steel, Add		*267.34*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		162.73	
		For Hot-Dipped Galvanized, Add		*59.06*	
		For Stainless Steel, Add		*236.24*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		171.28	
		For Hot-Dipped Galvanized, Add		*61.10*	
		For Stainless Steel, Add		*244.40*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		182.09	
		For Hot-Dipped Galvanized, Add		*63.16*	
		For Stainless Steel, Add		*252.64*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		190.95	
		For Hot-Dipped Galvanized, Add		*65.59*	
		For Stainless Steel, Add		*262.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.34	
		For Hot-Dipped Galvanized, Add	*68.00*	
		For Stainless Steel, Add	*271.98*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.73	
		For Hot-Dipped Galvanized, Add	*71.45*	
		For Stainless Steel, Add	*285.80*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	126.31	
		For Hot-Dipped Galvanized, Add	*40.85*	
		For Stainless Steel, Add	*163.40*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	132.91	
		For Hot-Dipped Galvanized, Add	*41.92*	
		For Stainless Steel, Add	*167.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	141.88	
		For Hot-Dipped Galvanized, Add	*43.06*	
		For Stainless Steel, Add	*172.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	148.32	
		For Hot-Dipped Galvanized, Add	*44.27*	
		For Stainless Steel, Add	*177.08*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	154.42	
		For Hot-Dipped Galvanized, Add	*45.54*	
		For Stainless Steel, Add	*182.14*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	159.18	
		For Hot-Dipped Galvanized, Add	*46.68*	
		For Stainless Steel, Add	*186.70*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	150.72	
		For Hot-Dipped Galvanized, Add	*53.06*	
		For Stainless Steel, Add	*212.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	156.84	
		For Hot-Dipped Galvanized, Add	*53.88*	
		For Stainless Steel, Add	*215.52*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	165.88	
		For Hot-Dipped Galvanized, Add	*55.06*	
		For Stainless Steel, Add	*220.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	172.17	
		For Hot-Dipped Galvanized, Add	*56.20*	
		For Stainless Steel, Add	*224.78*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	178.02	
		For Hot-Dipped Galvanized, Add	*57.34*	
		For Stainless Steel, Add	*229.34*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	185.42	
		For Hot-Dipped Galvanized, Add	*59.80*	
		For Stainless Steel, Add	*239.18*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	152.52	
		For Hot-Dipped Galvanized, Add	*53.96*	
		For Stainless Steel, Add	*215.82*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	160.88	
		For Hot-Dipped Galvanized, Add	*55.90*	
		For Stainless Steel, Add	*223.60*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	171.43	
		For Hot-Dipped Galvanized, Add	*57.83*	
		For Stainless Steel, Add	*231.32*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	180.07	
		For Hot-Dipped Galvanized, Add	*60.15*	
		For Stainless Steel, Add	*240.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	188.27	
		For Hot-Dipped Galvanized, Add	*62.46*	
		For Stainless Steel, Add	*249.84*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	195.35	
		For Hot-Dipped Galvanized, Add	*64.76*	
		For Stainless Steel, Add	*259.04*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	135.63	
		For Hot-Dipped Galvanized, Add	*43.28*	
		For Stainless Steel, Add	*173.10*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	144.42	
		For Hot-Dipped Galvanized, Add	*44.33*	
		For Stainless Steel, Add	*177.30*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	150.52	
		For Hot-Dipped Galvanized, Add	*45.37*	
		For Stainless Steel, Add	*181.48*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	156.78	
		For Hot-Dipped Galvanized, Add	*46.72*	
		For Stainless Steel, Add	*186.86*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	161.68	
		For Hot-Dipped Galvanized, Add	*47.93*	
		For Stainless Steel, Add	*191.70*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	159.16	
		For Hot-Dipped Galvanized, Add	*55.04*	
		For Stainless Steel, Add	*220.16*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	168.12	
		For Hot-Dipped Galvanized, Add	*56.18*	
		For Stainless Steel, Add	*224.70*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.56	
		For Hot-Dipped Galvanized, Add	*57.39*	
		For Stainless Steel, Add	*229.56*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	180.08	
		For Hot-Dipped Galvanized, Add	*58.37*	
		For Stainless Steel, Add	*233.46*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	185.20	
		For Hot-Dipped Galvanized, Add	*59.69*	
		For Stainless Steel, Add	*238.74*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0197		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	161.58	
		For Hot-Dipped Galvanized, Add	*56.25*	
		For Stainless Steel, Add	*225.00*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	172.17	
		For Hot-Dipped Galvanized, Add	*58.20*	
		For Stainless Steel, Add	*232.80*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	180.07	
		For Hot-Dipped Galvanized, Add	*60.15*	
		For Stainless Steel, Add	*240.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	188.27	
		For Hot-Dipped Galvanized, Add	*62.46*	
		For Stainless Steel, Add	*249.84*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	195.35	
		For Hot-Dipped Galvanized, Add	*64.76*	
		For Stainless Steel, Add	*259.04*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0203		Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0204		Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0205		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	64.96	
		For Hot-Dipped Galvanized, Add	*17.02*	
		For Stainless Steel, Add	*68.06*	
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	67.44	
		For Hot-Dipped Galvanized, Add	*17.20*	
		For Stainless Steel, Add	*68.80*	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.82	
		For Hot-Dipped Galvanized, Add	*17.88*	
		For Stainless Steel, Add	*71.52*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	77.18	
		For Hot-Dipped Galvanized, Add	*18.76*	
		For Stainless Steel, Add	*75.04*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	83.57	
		For Hot-Dipped Galvanized, Add	*19.76*	
		For Stainless Steel, Add	*79.02*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.16	
		For Hot-Dipped Galvanized, Add	*20.29*	
		For Stainless Steel, Add	*81.16*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.69	
		For Hot-Dipped Galvanized, Add	*21.06*	
		For Stainless Steel, Add	*84.24*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.31	
		For Hot-Dipped Galvanized, Add	*29.59*	
		For Stainless Steel, Add	*118.34*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.85	
		For Hot-Dipped Galvanized, Add	*31.28*	
		For Stainless Steel, Add	*125.10*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.48	
		For Hot-Dipped Galvanized, Add	*54.10*	
		For Stainless Steel, Add	*216.40*	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	78.13	
		For Hot-Dipped Galvanized, Add	*23.60*	
		For Stainless Steel, Add	*94.38*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.89	
		For Hot-Dipped Galvanized, Add	*23.93*	
		For Stainless Steel, Add	*95.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.27	
		For Hot-Dipped Galvanized, Add	*24.61*	
		For Stainless Steel, Add	*98.42*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.60	
		For Hot-Dipped Galvanized, Add	*25.47*	
		For Stainless Steel, Add	*101.88*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.80	
		For Hot-Dipped Galvanized, Add	*26.37*	
		For Stainless Steel, Add	*105.48*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.56	
		For Hot-Dipped Galvanized, Add	*27.00*	
		For Stainless Steel, Add	*107.98*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.88	
		For Hot-Dipped Galvanized, Add	*27.66*	
		For Stainless Steel, Add	*110.62*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.03	
		For Hot-Dipped Galvanized, Add	*38.45*	
		For Stainless Steel, Add	*153.78*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.57	
		For Hot-Dipped Galvanized, Add	*40.14*	
		For Stainless Steel, Add	*160.54*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	207.94	
		For Hot-Dipped Galvanized, Add	*75.82*	
		For Stainless Steel, Add	*303.28*	

04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.27	
		For Hot-Dipped Galvanized, Add	*33.67*	
		For Stainless Steel, Add	*134.66*	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.50	
		For Hot-Dipped Galvanized, Add	*34.09*	
		For Stainless Steel, Add	*136.36*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.38	
		For Hot-Dipped Galvanized, Add	*35.34*	
		For Stainless Steel, Add	*141.36*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.75	
		For Hot-Dipped Galvanized, Add	*37.05*	
		For Stainless Steel, Add	*148.18*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.99	
		For Hot-Dipped Galvanized, Add	*39.18*	
		For Stainless Steel, Add	*156.72*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.90	
		For Hot-Dipped Galvanized, Add	*40.16*	
		For Stainless Steel, Add	*160.62*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.78	
		For Hot-Dipped Galvanized, Add	*41.61*	
		For Stainless Steel, Add	*166.42*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.94	
		For Hot-Dipped Galvanized, Add	*58.40*	
		For Stainless Steel, Add	*233.60*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.73	
		For Hot-Dipped Galvanized, Add	*61.71*	
		For Stainless Steel, Add	*246.84*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	273.67	
		For Hot-Dipped Galvanized, Add	*106.70*	
		For Stainless Steel, Add	*426.78*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.58	
		For Hot-Dipped Galvanized, Add	*27.32*	
		For Stainless Steel, Add	*109.28*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.88	
		For Hot-Dipped Galvanized, Add	*27.92*	
		For Stainless Steel, Add	*111.66*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.24	
		For Hot-Dipped Galvanized, Add	*28.60*	
		For Stainless Steel, Add	*114.38*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0242		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.40	
			For Hot-Dipped Galvanized, Add	*29.37*	
			For Stainless Steel, Add	*117.48*	
04 05 19 13-0243		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.31	
			For Hot-Dipped Galvanized, Add	*30.12*	
			For Stainless Steel, Add	*120.48*	
04 05 19 13-0244		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.57	
			For Hot-Dipped Galvanized, Add	*30.49*	
			For Stainless Steel, Add	*121.96*	
04 05 19 13-0245		CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.78	
			For Hot-Dipped Galvanized, Add	*30.91*	
			For Stainless Steel, Add	*123.64*	
04 05 19 13-0246		CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.65	
			For Hot-Dipped Galvanized, Add	*36.76*	
			For Stainless Steel, Add	*147.02*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248		CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.88	
			For Hot-Dipped Galvanized, Add	*33.97*	
			For Stainless Steel, Add	*135.88*	
04 05 19 13-0249		CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.36	
			For Hot-Dipped Galvanized, Add	*34.66*	
			For Stainless Steel, Add	*138.62*	
04 05 19 13-0250		CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.86	
			For Hot-Dipped Galvanized, Add	*35.41*	
			For Stainless Steel, Add	*141.62*	
04 05 19 13-0251		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.87	
			For Hot-Dipped Galvanized, Add	*36.11*	
			For Stainless Steel, Add	*144.42*	
04 05 19 13-0252		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.75	
			For Hot-Dipped Galvanized, Add	*36.84*	
			For Stainless Steel, Add	*147.36*	
04 05 19 13-0253		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.06	
			For Hot-Dipped Galvanized, Add	*37.25*	
			For Stainless Steel, Add	*148.98*	
04 05 19 13-0254		CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.18	
			For Hot-Dipped Galvanized, Add	*37.61*	
			For Stainless Steel, Add	*150.44*	
04 05 19 13-0255		CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.36	
			For Hot-Dipped Galvanized, Add	*45.61*	
			For Stainless Steel, Add	*182.44*	
04 05 19 13-0256		CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.61	
			For Hot-Dipped Galvanized, Add	*63.66*	
			For Stainless Steel, Add	*254.62*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258		CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.76	
			For Hot-Dipped Galvanized, Add	*40.41*	
			For Stainless Steel, Add	*161.64*	
04 05 19 13-0259		CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.91	
			For Hot-Dipped Galvanized, Add	*41.80*	
			For Stainless Steel, Add	*167.18*	
04 05 19 13-0260		CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.05	
			For Hot-Dipped Galvanized, Add	*43.18*	
			For Stainless Steel, Add	*172.70*	
04 05 19 13-0261		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.30	
			For Hot-Dipped Galvanized, Add	*44.82*	
			For Stainless Steel, Add	*179.28*	
04 05 19 13-0262		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.56	
			For Hot-Dipped Galvanized, Add	*46.47*	
			For Stainless Steel, Add	*185.86*	
04 05 19 13-0263		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.27	
			For Hot-Dipped Galvanized, Add	*47.34*	
			For Stainless Steel, Add	*189.36*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		145.76	
		For Hot-Dipped Galvanized, Add		*48.10*	
		For Stainless Steel, Add		*192.38*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		152.34	
		For Hot-Dipped Galvanized, Add		*49.60*	
		For Stainless Steel, Add		*198.40*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		200.87	
		For Hot-Dipped Galvanized, Add		*72.28*	
		For Stainless Steel, Add		*289.12*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		116.21	
		For Hot-Dipped Galvanized, Add		*42.64*	
		For Stainless Steel, Add		*170.54*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		119.51	
		For Hot-Dipped Galvanized, Add		*43.23*	
		For Stainless Steel, Add		*172.92*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		123.87	
		For Hot-Dipped Galvanized, Add		*43.91*	
		For Stainless Steel, Add		*175.64*	
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		129.02	
		For Hot-Dipped Galvanized, Add		*44.68*	
		For Stainless Steel, Add		*178.72*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		134.94	
		For Hot-Dipped Galvanized, Add		*45.44*	
		For Stainless Steel, Add		*181.74*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		139.19	
		For Hot-Dipped Galvanized, Add		*45.80*	
		For Stainless Steel, Add		*183.20*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		142.40	
		For Hot-Dipped Galvanized, Add		*46.22*	
		For Stainless Steel, Add		*184.88*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		157.27	
		For Hot-Dipped Galvanized, Add		*52.07*	
		For Stainless Steel, Add		*208.26*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		183.86	
		For Hot-Dipped Galvanized, Add		*63.78*	
		For Stainless Steel, Add		*255.10*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		259.00	
		For Hot-Dipped Galvanized, Add		*98.57*	
		For Stainless Steel, Add		*394.28*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		265.97	
		For Hot-Dipped Galvanized, Add		*99.94*	
		For Stainless Steel, Add		*399.74*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		274.97	
		For Hot-Dipped Galvanized, Add		*101.44*	
		For Stainless Steel, Add		*405.76*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		284.99	
		For Hot-Dipped Galvanized, Add		*102.84*	
		For Stainless Steel, Add		*411.36*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		296.76	
		For Hot-Dipped Galvanized, Add		*104.31*	
		For Stainless Steel, Add		*417.24*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		305.38	
		For Hot-Dipped Galvanized, Add		*105.12*	
		For Stainless Steel, Add		*420.46*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		311.64	
		For Hot-Dipped Galvanized, Add		*105.85*	
		For Stainless Steel, Add		*423.40*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		349.95	
		For Hot-Dipped Galvanized, Add		*121.85*	
		For Stainless Steel, Add		*487.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	428.47	
		For Hot-Dipped Galvanized, Add	*157.94*	
		For Stainless Steel, Add	*631.74*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.39	
		For Hot-Dipped Galvanized, Add	*55.73*	
		For Stainless Steel, Add	*222.90*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.53	
		For Hot-Dipped Galvanized, Add	*57.11*	
		For Stainless Steel, Add	*228.42*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.68	
		For Hot-Dipped Galvanized, Add	*58.49*	
		For Stainless Steel, Add	*233.96*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.93	
		For Hot-Dipped Galvanized, Add	*60.14*	
		For Stainless Steel, Add	*240.54*	
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.19	
		For Hot-Dipped Galvanized, Add	*61.78*	
		For Stainless Steel, Add	*247.12*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.90	
		For Hot-Dipped Galvanized, Add	*62.66*	
		For Stainless Steel, Add	*250.62*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	176.39	
		For Hot-Dipped Galvanized, Add	*63.41*	
		For Stainless Steel, Add	*253.64*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	182.97	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	231.50	
		For Hot-Dipped Galvanized, Add	*87.60*	
		For Stainless Steel, Add	*350.38*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	93.48	
		For Hot-Dipped Galvanized, Add	*26.67*	
		For Stainless Steel, Add	*106.66*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	100.51	
		For Hot-Dipped Galvanized, Add	*27.95*	
		For Stainless Steel, Add	*111.80*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	108.25	
		For Hot-Dipped Galvanized, Add	*29.59*	
		For Stainless Steel, Add	*118.34*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	114.95	
		For Hot-Dipped Galvanized, Add	*30.71*	
		For Stainless Steel, Add	*122.82*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	119.06	
		For Hot-Dipped Galvanized, Add	*31.65*	
		For Stainless Steel, Add	*126.58*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.59	
		For Hot-Dipped Galvanized, Add	*33.91*	
		For Stainless Steel, Add	*135.62*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	135.68	
		For Hot-Dipped Galvanized, Add	*36.17*	
		For Stainless Steel, Add	*144.66*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	110.09	
		For Hot-Dipped Galvanized, Add	*34.97*	
		For Stainless Steel, Add	*139.88*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		117.16	
		For Hot-Dipped Galvanized, Add		*36.28*	
		For Stainless Steel, Add		*145.10*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		124.83	
		For Hot-Dipped Galvanized, Add		*37.88*	
		For Stainless Steel, Add		*151.50*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		131.57	
		For Hot-Dipped Galvanized, Add		*39.02*	
		For Stainless Steel, Add		*156.06*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		135.56	
		For Hot-Dipped Galvanized, Add		*39.90*	
		For Stainless Steel, Add		*159.58*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		144.13	
		For Hot-Dipped Galvanized, Add		*42.18*	
		For Stainless Steel, Add		*168.70*	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		152.29	
		For Hot-Dipped Galvanized, Add		*44.47*	
		For Stainless Steel, Add		*177.88*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		125.49	
		For Hot-Dipped Galvanized, Add		*42.67*	
		For Stainless Steel, Add		*170.68*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		133.99	
		For Hot-Dipped Galvanized, Add		*44.69*	
		For Stainless Steel, Add		*178.76*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		144.01	
		For Hot-Dipped Galvanized, Add		*47.47*	
		For Stainless Steel, Add		*189.86*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		151.49	
		For Hot-Dipped Galvanized, Add		*48.98*	
		For Stainless Steel, Add		*195.90*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		156.73	
		For Hot-Dipped Galvanized, Add		*50.48*	
		For Stainless Steel, Add		*201.92*	
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		167.54	
		For Hot-Dipped Galvanized, Add		*53.88*	
		For Stainless Steel, Add		*215.52*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		176.73	
		For Hot-Dipped Galvanized, Add		*56.69*	
		For Stainless Steel, Add		*226.76*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		145.26	
		For Hot-Dipped Galvanized, Add		*52.56*	
		For Stainless Steel, Add		*210.22*	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		150.46	
		For Hot-Dipped Galvanized, Add		*52.93*	
		For Stainless Steel, Add		*211.70*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		157.50	
		For Hot-Dipped Galvanized, Add		*54.21*	
		For Stainless Steel, Add		*216.84*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		167.61	
		For Hot-Dipped Galvanized, Add		*55.92*	
		For Stainless Steel, Add		*223.68*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		175.66	
		For Hot-Dipped Galvanized, Add		*57.94*	
		For Stainless Steel, Add		*231.76*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		184.16	
		For Hot-Dipped Galvanized, Add		*60.41*	
		For Stainless Steel, Add		*241.62*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0330		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	170.95	
		For Hot-Dipped Galvanized, Add	*65.40*	
		For Stainless Steel, Add	*261.60*	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.52	
		For Hot-Dipped Galvanized, Add	*65.96*	
		For Stainless Steel, Add	*263.82*	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.56	
		For Hot-Dipped Galvanized, Add	*67.24*	
		For Stainless Steel, Add	*268.96*	
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	193.59	
		For Hot-Dipped Galvanized, Add	*68.91*	
		For Stainless Steel, Add	*275.64*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	201.32	
		For Hot-Dipped Galvanized, Add	*70.77*	
		For Stainless Steel, Add	*283.08*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	208.64	
		For Hot-Dipped Galvanized, Add	*72.65*	
		For Stainless Steel, Add	*290.58*	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	185.03	
		For Hot-Dipped Galvanized, Add	*72.44*	
		For Stainless Steel, Add	*289.76*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	190.59	
		For Hot-Dipped Galvanized, Add	*72.99*	
		For Stainless Steel, Add	*291.96*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	199.11	
		For Hot-Dipped Galvanized, Add	*75.02*	
		For Stainless Steel, Add	*300.06*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	211.09	
		For Hot-Dipped Galvanized, Add	*77.66*	
		For Stainless Steel, Add	*310.64*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.79	
		For Hot-Dipped Galvanized, Add	*81.01*	
		For Stainless Steel, Add	*324.02*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	232.78	
		For Hot-Dipped Galvanized, Add	*84.72*	
		For Stainless Steel, Add	*338.86*	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	154.61	
		For Hot-Dipped Galvanized, Add	*55.00*	
		For Stainless Steel, Add	*220.00*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	159.85	
		For Hot-Dipped Galvanized, Add	*55.39*	
		For Stainless Steel, Add	*221.54*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	169.04	
		For Hot-Dipped Galvanized, Add	*56.64*	
		For Stainless Steel, Add	*226.54*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.43	
		For Hot-Dipped Galvanized, Add	*58.33*	
		For Stainless Steel, Add	*233.30*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	184.12	
		For Hot-Dipped Galvanized, Add	*60.39*	
		For Stainless Steel, Add	*241.54*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	190.79	
		For Hot-Dipped Galvanized, Add	*62.48*	
		For Stainless Steel, Add	*249.92*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	180.23	
		For Hot-Dipped Galvanized, Add	*67.81*	
		For Stainless Steel, Add	*271.24*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.80	
		For Hot-Dipped Galvanized, Add	*68.36*	
		For Stainless Steel, Add	*273.44*	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	195.06	
		For Hot-Dipped Galvanized, Add	*69.65*	
		For Stainless Steel, Add	*278.58*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	202.46	
		For Hot-Dipped Galvanized, Add	*71.34*	
		For Stainless Steel, Add	*285.36*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	209.74	
		For Hot-Dipped Galvanized, Add	*73.20*	
		For Stainless Steel, Add	*292.78*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	216.63	
		For Hot-Dipped Galvanized, Add	*75.40*	
		For Stainless Steel, Add	*301.60*	
04 05 19 13-0359		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	194.34	
		For Hot-Dipped Galvanized, Add	*74.87*	
		For Stainless Steel, Add	*299.46*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.88	
		For Hot-Dipped Galvanized, Add	*75.40*	
		For Stainless Steel, Add	*301.60*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	210.68	
		For Hot-Dipped Galvanized, Add	*77.46*	
		For Stainless Steel, Add	*309.82*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	219.95	
		For Hot-Dipped Galvanized, Add	*80.09*	
		For Stainless Steel, Add	*320.34*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	230.17	
		For Hot-Dipped Galvanized, Add	*83.41*	
		For Stainless Steel, Add	*333.64*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	237.72	
		For Hot-Dipped Galvanized, Add	*85.95*	
		For Stainless Steel, Add	*343.78*	
04 05 19 13-0366		Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0367		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	144.73	
		For Hot-Dipped Galvanized, Add	*50.06*	
		For Stainless Steel, Add	*200.24*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	149.89	
		For Hot-Dipped Galvanized, Add	*50.41*	
		For Stainless Steel, Add	*201.62*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	158.75	
		For Hot-Dipped Galvanized, Add	*51.49*	
		For Stainless Steel, Add	*205.96*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	165.89	
		For Hot-Dipped Galvanized, Add	*53.06*	
		For Stainless Steel, Add	*212.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	172.69	
		For Hot-Dipped Galvanized, Add	*54.67*	
		For Stainless Steel, Add	*218.68*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	179.14	
		For Hot-Dipped Galvanized, Add	*56.66*	
		For Stainless Steel, Add	*226.62*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0374 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	168.32	
		For Hot-Dipped Galvanized, Add	*61.86*	
		For Stainless Steel, Add	*247.42*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	173.75	
		For Hot-Dipped Galvanized, Add	*62.34*	
		For Stainless Steel, Add	*249.34*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.42	
		For Hot-Dipped Galvanized, Add	*63.33*	
		For Stainless Steel, Add	*253.30*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	189.41	
		For Hot-Dipped Galvanized, Add	*64.82*	
		For Stainless Steel, Add	*259.26*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	196.18	
		For Hot-Dipped Galvanized, Add	*66.42*	
		For Stainless Steel, Add	*265.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	202.18	
		For Hot-Dipped Galvanized, Add	*68.18*	
		For Stainless Steel, Add	*272.70*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0381 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.58	
		For Hot-Dipped Galvanized, Add	*68.99*	
		For Stainless Steel, Add	*275.94*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	188.12	
		For Hot-Dipped Galvanized, Add	*69.52*	
		For Stainless Steel, Add	*278.08*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	198.67	
		For Hot-Dipped Galvanized, Add	*71.45*	
		For Stainless Steel, Add	*285.80*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	207.71	
		For Hot-Dipped Galvanized, Add	*73.97*	
		For Stainless Steel, Add	*295.86*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	217.64	
		For Hot-Dipped Galvanized, Add	*77.15*	
		For Stainless Steel, Add	*308.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	227.18	
		For Hot-Dipped Galvanized, Add	*80.68*	
		For Stainless Steel, Add	*322.70*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*

04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	153.90	
		For Hot-Dipped Galvanized, Add	*52.41*	
		For Stainless Steel, Add	*209.64*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	161.33	
		For Hot-Dipped Galvanized, Add	*52.78*	
		For Stainless Steel, Add	*211.12*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	167.65	
		For Hot-Dipped Galvanized, Add	*53.94*	
		For Stainless Steel, Add	*215.74*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.53	
		For Hot-Dipped Galvanized, Add	*55.59*	
		For Stainless Steel, Add	*222.36*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	180.83	
		For Hot-Dipped Galvanized, Add	*57.50*	
		For Stainless Steel, Add	*230.00*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	179.33	
		For Hot-Dipped Galvanized, Add	*65.13*	
		For Stainless Steel, Add	*260.50*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	186.83	
		For Hot-Dipped Galvanized, Add	*65.53*	
		For Stainless Steel, Add	*262.12*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	193.08	
		For Hot-Dipped Galvanized, Add	*66.65*	
		For Stainless Steel, Add	*266.60*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	199.67	
		For Hot-Dipped Galvanized, Add	*68.16*	
		For Stainless Steel, Add	*272.64*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.23	
		For Hot-Dipped Galvanized, Add	*69.70*	
		For Stainless Steel, Add	*278.80*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	191.68	
		For Hot-Dipped Galvanized, Add	*71.30*	
		For Stainless Steel, Add	*285.20*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	199.40	
		For Hot-Dipped Galvanized, Add	*71.82*	
		For Stainless Steel, Add	*287.26*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	207.31	
		For Hot-Dipped Galvanized, Add	*73.77*	
		For Stainless Steel, Add	*295.06*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	215.88	
		For Hot-Dipped Galvanized, Add	*76.27*	
		For Stainless Steel, Add	*305.06*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	224.71	
		For Hot-Dipped Galvanized, Add	*79.44*	
		For Stainless Steel, Add	*317.76*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	0.95
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.00
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.04
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.15	
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.04	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.09	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.15	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.20	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.87	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.89	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.91	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.94	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.97	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.91	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.94	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.97	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.00	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.87	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.90	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.98	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.02	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.02	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.08	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.14	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.17	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.82	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.82	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.89	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.90	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.91	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.94	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.97	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.01	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.09	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.11	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.13	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.15	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.18	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.25	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.30	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.34	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.37	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.40	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.18	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.22	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.24	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.27	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.29	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.04	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.07	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.08	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.10	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.11	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.39	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.43	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.47	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.52	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.56	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.42	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.47	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.52	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.57	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.61	
04 05 19 16-0079		**Mill Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.23	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.26	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.29	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.33	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.36	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.26	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.29	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.33	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.36	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.40	
04 05 19 16-0090		**Corrugated Wall Ties** *(04 05 19 16)*		
04 05 19 16-0091		**Hot-Dipped Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.81	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.85	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.86	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.88	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.00	
04 05 19 16-0097		**Mill Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.83	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.84	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.85	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.94	
04 05 19 16-0102		**Stainless Steel, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.12	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.17	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.22	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.27	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.54	
04 05 19 16-0108		**Wire Mesh Wall Ties** *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.52	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.80	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.11	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.62	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.53	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.99	
04 05 19 16-0115		**Triangle Brick Ties** *(04 05 19 16)*		
04 05 19 16-0116		**Hot-Dipped Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.40	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.55	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.59	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.69	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.56	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.57	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.59	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.64	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.66	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.73	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.76	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.86	
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.26	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.28	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.32	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.40	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.43	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.39	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.40	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.45	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.52	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.55	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.60	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	4.95	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.64	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.93	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	4.95	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	2.20	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.21	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.83	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.95	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.11	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.25	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.38	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.52	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.39	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.82	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.27	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.71	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.15	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.59	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.71	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.82	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.92	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.03	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.14	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.25	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.18	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.23	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.38	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.45	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.51	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.58	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.44	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.51	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.55	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.60	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.76	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.89	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.97	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.09	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.89	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.97	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.05	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.13	
04 05 19 16-0201		**Mill Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.25	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.29	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.32	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.37	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.27	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.31	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.34	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.38	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.53	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.62	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.65	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.74	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.50	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.63	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.69	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.74	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.63	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.85	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.98	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.04	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.18	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.20	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.47	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.54	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.63	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.69	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	2.93	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.29	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.41	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.81	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.20	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.21	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.48	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.75	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.09	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.30	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.03	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.10	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.17	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.04	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.17	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.27	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.08	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.17	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.26	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.96	
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.01	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.05	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.00	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.09	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.16	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.01	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.12	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.19	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.17	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.25	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	2.33	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	5.60	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.69	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.78	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.84	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.91	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.56	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.57	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.61	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.71	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	0.70	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.13	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.59	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.08	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	0.71	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.15	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.62	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.12	
04 05 19 26-0010	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	0.82	
04 05 19 26-0011	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.32	
04 05 19 26-0012	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.86	
04 05 19 26-0013	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.41	
04 05 19 26-0014	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	0.83	
04 05 19 26-0015	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0016	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.89	
04 05 19 26-0017	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.45	
04 05 19 26-0018		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0019	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.80	
04 05 19 26-0020	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0021	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.87	
04 05 19 26-0022	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.49	
04 05 19 26-0023	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.81	
04 05 19 26-0024	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.32	
04 05 19 26-0025	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.90	
04 05 19 26-0026	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.52	
04 05 19 26-0027	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.92	
04 05 19 26-0028	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.50	
04 05 19 26-0029	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.14	
04 05 19 26-0030	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.82	
04 05 19 26-0031	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.93	
04 05 19 26-0032	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.51	
04 05 19 26-0033	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.17	
04 05 19 26-0034	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.85	
04 05 19 26-0035		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0036	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.79	
04 05 19 26-0037	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0038	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.84	
04 05 19 26-0039	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.44	
04 05 19 26-0040	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.80	
04 05 19 26-0041	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.31	
04 05 19 26-0042	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.87	
04 05 19 26-0043	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.48	
04 05 19 26-0044	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.91	
04 05 19 26-0045	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.48	
04 05 19 26-0046	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.11	
04 05 19 26-0047	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.77	
04 05 19 26-0048	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.92	
04 05 19 26-0049	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.50	
04 05 19 26-0050	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.14	
04 05 19 26-0051	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.81	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control And Expansion Joints *(04 05 23)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 13-0001		Masonry Control Joints *(04 05 23 13)*		
04 05 23 13-0002		Rubber, Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	3.91	0.79
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	3.82	0.79
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	7.61	0.79
04 05 23 13-0006		Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	2.66	0.79
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	2.73	0.79
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.45	0.79
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.84	0.79
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.68	0.79
04 05 23 16		**Masonry Embedded Flashing** *(04 05 23)*		
04 05 23 16-0001		Lead Coated Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.09	1.12
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.78	1.12
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.69	1.12
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.37	1.12
04 05 23 16-0007		Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.76	1.12
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.38	1.12
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.58	1.12
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.60	1.12
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.25	1.12
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.11	1.12
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.34	1.12
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.92	1.12
04 05 23 16-0017		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.06	1.04
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.57	1.04
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.97	1.04
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.20	1.04
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.72	1.04
04 05 23 16-0024		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.56	1.04
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.01	1.04
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.62	1.04
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.10	1.04
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.97	1.04
04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.12	1.04
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.63	1.04
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.02	1.04
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.25	1.04
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.77	1.04
04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.18	1.04
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.80	1.04
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.71	1.04
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.60	1.04
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.60	1.04
04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.25	1.04
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.11	1.04

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0017)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	6.17	1.04
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	7.84	1.04
04 05 23 16-0048		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0048)*		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	4.79	1.04
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.65	1.11
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.81	1.11
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.99	1.11
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.59	1.11

04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents *(04 05 23)*

04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	51.46	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	63.73	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	80.20	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	62.58	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	77.18	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	97.42	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	73.73	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	99.52	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	121.22	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	99.39	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	129.29	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	158.57	

04 20 Unit Masonry *(04)*

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001		Brick Masonry *(04 21 13)*		
04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	21.16	
		For Buff Or Gray, Add	*0.92*	
		For Common Or American Bond, Add	*0.63*	
		For English Bond, Add	*1.25*	
		For Flemish Bond, Add	*2.62*	
		For Stacked Bond, Add	*1.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.75*	
		For Curved Wall, Add	*3.13*	
		For Corbels, Add	*11.74*	
		For Severe Weather (SW) Brick, Add	*0.83*	
		For Glazed Brick, Add	*19.29*	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	22.11	
		For Buff Or Gray, Add	*1.14*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.63*	
		For Stacked Bond, Add	*1.87*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.26*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.46*	
		For Severe Weather (SW) Brick, Add	*1.02*	
		For Glazed Brick, Add	*23.91*	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	21.16	
		For Buff Or Gray, Add	*0.92*	
		For Common Or American Bond, Add	*0.63*	
		For English Bond, Add	*1.25*	
		For Flemish Bond, Add	*2.62*	
		For Stacked Bond, Add	*1.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.75*	
		For Curved Wall, Add	*3.13*	
		For Corbels, Add	*11.74*	
		For Severe Weather (SW) Brick, Add	*0.83*	
		For Glazed Brick, Add	*19.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	22.11	
		For Buff Or Gray, Add	*1.14*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.63*	
		For Stacked Bond, Add	*1.87*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.26*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.46*	
		For Severe Weather (SW) Brick, Add	*1.02*	
		For Glazed Brick, Add	*23.91*	
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	21.93	
		For Buff Or Gray, Add	*1.11*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.62*	
		For Stacked Bond, Add	*1.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.25*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.46*	
		For Severe Weather (SW) Brick, Add	*1.00*	
		For Glazed Brick, Add	*23.28*	
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	16.36	
		For Buff Or Gray, Add	*0.95*	
		For Common Or American Bond, Add	*0.43*	
		For English Bond, Add	*0.85*	
		For Flemish Bond, Add	*1.89*	
		For Stacked Bond, Add	*1.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.29*	
		For Curved Wall, Add	*2.13*	
		For Corbels, Add	*8.00*	
		For Severe Weather (SW) Brick, Add	*0.85*	
		For Glazed Brick, Add	*19.92*	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	14.66	
		For Buff Or Gray, Add	*0.67*	
		For Common Or American Bond, Add	*0.43*	
		For English Bond, Add	*0.85*	
		For Flemish Bond, Add	*1.80*	
		For Stacked Bond, Add	*1.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.20*	
		For Curved Wall, Add	*2.13*	
		For Corbels, Add	*8.00*	
		For Severe Weather (SW) Brick, Add	*0.60*	
		For Glazed Brick, Add	*13.97*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	22.45	
		For Buff Or Gray, Add	*1.20*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.65*	
		For Stacked Bond, Add	*1.89*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.28*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.46*	
		For Severe Weather (SW) Brick, Add	*1.08*	
		For Glazed Brick, Add	*25.10*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	23.96	
		For Buff Or Gray, Add	*1.45*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.73*	
		For Stacked Bond, Add	*1.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.35*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.46*	
		For Severe Weather (SW) Brick, Add	*1.30*	
		For Glazed Brick, Add	*30.38*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	25.47	
		For Buff Or Gray, Add	*1.70*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.80*	
		For Stacked Bond, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.43*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	18.05	
		For Buff Or Gray, Add	*0.16*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	18.16	
		For Buff Or Gray, Add	*0.18*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0016		LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	18.05	
			For Buff Or Gray, Add	*0.16*	
04 21 13 00-0017		LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	18.24	
			For Buff Or Gray, Add	*0.19*	
04 21 13 00-0018		LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	18.74	
			For Buff Or Gray, Add	*0.28*	
04 21 13 00-0019		LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	18.84	
			For Buff Or Gray, Add	*0.29*	
04 21 13 00-0020		LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	18.84	
			For Buff Or Gray, Add	*0.29*	
04 21 13 00-0021		LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	18.30	
			For Buff Or Gray, Add	*0.20*	
04 21 13 00-0022		LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	18.35	
			For Buff Or Gray, Add	*0.21*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003		SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	27.35	
			For Stacked Bond, Add	*1.68*	
04 21 26 00-0004		SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	31.02	
			For Stacked Bond, Add	*1.68*	
04 21 26 00-0005		SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	38.43	
			For Stacked Bond, Add	*1.76*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007		LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	28.22	
			For Stacked Bond, Add	*1.99*	
04 21 26 00-0008		LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	34.33	
			For Stacked Bond, Add	*1.99*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011		SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	21.92	
			For Stacked Bond, Add	*1.07*	
04 21 26 00-0012		SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	27.61	
			For Stacked Bond, Add	*1.15*	
04 21 26 00-0013		SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	38.79	
			For Stacked Bond, Add	*1.22*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015		LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	30.15	
			For Stacked Bond, Add	*1.38*	
04 21 26 00-0016		LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	30.10	
			For Stacked Bond, Add	*1.38*	

04 21 26 00-0017 4W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0019		SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	28.73	
			For Stacked Bond, Add	*1.68*	
04 21 26 00-0020		SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	30.56	
			For Stacked Bond, Add	*1.68*	
04 21 26 00-0021		SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	38.66	
			For Stacked Bond, Add	*1.76*	

04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0023		LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	29.34	
			For Stacked Bond, Add	*1.99*	
04 21 26 00-0024		LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	34.23	
			For Stacked Bond, Add	*1.99*	

04 21 29 Terra Cotta Masonry *(04 21)*

04 21 29 00-0001 Coping *(04 21 29)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 21 29 00-0002		SF	Terra Cotta Coping	83.27	32.65

04 22 Concrete Unit Masonry *(04 20)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	9.79	
		For Stacked Bond, Add	*2.11*	
		For Scored Block, Add	*0.33*	
		For Curved Wall Application, Add	*1.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.32*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	10.91	
		For Stacked Bond, Add	*2.29*	
		For Scored Block, Add	*0.42*	
		For Curved Wall Application, Add	*1.76*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.36*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	11.82	
		For Stacked Bond, Add	*2.46*	
		For Scored Block, Add	*0.47*	
		For Curved Wall Application, Add	*1.89*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.35*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	13.04	
		For Stacked Bond, Add	*2.57*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*1.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.06*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	15.61	
		For Stacked Bond, Add	*3.17*	
		For Scored Block, Add	*0.68*	
		For Curved Wall Application, Add	*2.44*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.57*	

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	10.55	
		For Stacked Bond, Add	*2.17*	
		For Scored Block, Add	*0.44*	
		For Curved Wall Application, Add	*1.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.68*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	11.58	
		For Stacked Bond, Add	*2.39*	
		For Scored Block, Add	*0.48*	
		For Curved Wall Application, Add	*1.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.95*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	12.21	
		For Stacked Bond, Add	*2.53*	
		For Scored Block, Add	*0.50*	
		For Curved Wall Application, Add	*1.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.78*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	13.61	
		For Stacked Bond, Add	*2.65*	
		For Scored Block, Add	*0.68*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.54*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	16.28	
		For Stacked Bond, Add	*3.28*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*2.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.20*	

04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	10.00	
		For Stacked Bond, Add	*2.17*	
		For Scored Block, Add	*0.33*	
		For Curved Wall Application, Add	*1.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.63*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	11.08	
		For Stacked Bond, Add	*2.39*	
		For Scored Block, Add	*0.38*	
		For Curved Wall Application, Add	*1.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.91*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	11.92	
		For Stacked Bond, Add	*2.53*	
		For Scored Block, Add	*0.44*	
		For Curved Wall Application, Add	*1.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.76*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	14.40	
		For Stacked Bond, Add	*2.65*	
		For Scored Block, Add	*0.84*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	16.97	
		For Stacked Bond, Add	*3.28*	
		For Scored Block, Add	*0.87*	
		For Curved Wall Application, Add	*2.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.26*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	10.68	
		For Stacked Bond, Add	*2.23*	
		For Scored Block, Add	*0.42*	
		For Curved Wall Application, Add	*1.71*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.01*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	11.40	
		For Stacked Bond, Add	*2.46*	
		For Scored Block, Add	*0.39*	
		For Curved Wall Application, Add	*1.89*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.32*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	12.30	
		For Stacked Bond, Add	*2.61*	
		For Scored Block, Add	*0.45*	
		For Curved Wall Application, Add	*2.01*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.23*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	13.56	
		For Stacked Bond, Add	*2.74*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.11*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.02*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	16.21	
		For Stacked Bond, Add	*3.39*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*2.61*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.81*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	11.40	
		For Stacked Bond, Add	*2.29*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.00*	
		For Scored Block, Add	*0.52*	
		For Curved Wall Application, Add	*1.76*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	12.59	
		For Stacked Bond, Add	*2.46*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.87*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*1.89*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	15.55	
		For Stacked Bond, Add	*3.17*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.45*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*2.44*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	11.41	
		For Stacked Bond, Add	*2.39*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.82*	
		For Scored Block, Add	*0.45*	
		For Curved Wall Application, Add	*1.84*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	12.50	
		For Stacked Bond, Add	*2.53*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.64*	
		For Scored Block, Add	*0.55*	
		For Curved Wall Application, Add	*1.95*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	15.59	
		For Stacked Bond, Add	*3.28*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.28*	
		For Scored Block, Add	*0.59*	
		For Curved Wall Application, Add	*2.52*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	12.85	
		For Stacked Bond, Add	*2.65*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.48*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	14.50	
		For Stacked Bond, Add	*2.98*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	15.70	
		For Stacked Bond, Add	*3.15*	
		For Scored Block, Add	*0.72*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.45*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	16.79	
		For Stacked Bond, Add	*3.34*	
		For Scored Block, Add	*0.79*	
		For Curved Wall Application, Add	*2.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.56*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	20.09	
		For Stacked Bond, Add	*4.10*	
		For Scored Block, Add	*0.86*	
		For Curved Wall Application, Add	*3.15*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.98*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	17.53	
		For Stacked Bond, Add	*2.65*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.84*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	19.69	
		For Stacked Bond, Add	*2.88*	
		For Curved Wall Application, Add	*2.22*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.27*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	22.73	
		For Stacked Bond, Add	*3.15*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.98*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	13.17	
		For Stacked Bond, Add	*2.65*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.51*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	14.87	
		For Stacked Bond, Add	*2.98*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.46*	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	16.12	
		For Stacked Bond, Add	*3.15*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.48*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.29	
		For Stacked Bond, Add	*3.34*	
		For Curved Wall Application, Add	*2.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.59*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.06	
		For Stacked Bond, Add	*4.10*	
		For Curved Wall Application, Add	*3.15*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.98*	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	13.91	
		For Stacked Bond, Add	*2.65*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.82*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.56*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	15.72	
		For Stacked Bond, Add	*2.98*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.99*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.52*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	17.12	
		For Stacked Bond, Add	*3.15*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.06*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.56*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.40	
		For Stacked Bond, Add	*3.34*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.98*	
		For Curved Wall Application, Add	*2.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.68*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	21.14	
		For Stacked Bond, Add	*4.10*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.26*	
		For Curved Wall Application, Add	*3.15*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.06*	

04 22 23 29-0014 Split Rib, Concrete Block *(04 22 23 29)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0015		Split Rib, Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	12.93	
		For Stacked Bond, Add	*2.65*	
		For Curved Wall Application, Add	*2.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.49*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	15.42	
		For Stacked Bond, Add	*2.98*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.50*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	16.41	
		For Stacked Bond, Add	*3.15*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.50*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	17.53	
		For Stacked Bond, Add	*3.34*	
		For Curved Wall Application, Add	*2.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.61*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	20.91	
		For Stacked Bond, Add	*4.10*	
		For Curved Wall Application, Add	*3.15*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.04*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
04 22 23 31-0001		One Glazed Face, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*		
04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	23.04	
		For Stacked Bond, Add	*2.57*	
		For Curved Wall Application, Add	*1.98*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.81*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	24.66	
		For Stacked Bond, Add	*2.83*	
		For Curved Wall Application, Add	*2.18*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.35*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	26.12	
		For Stacked Bond, Add	*2.98*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.30*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	27.67	
		For Stacked Bond, Add	*3.15*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.35*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	31.15	
		For Stacked Bond, Add	*3.86*	
		For Curved Wall Application, Add	*2.97*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.48*	
04 22 23 31-0008		Two Glazed Faces, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0009		Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*		
04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	30.82	
		For Stacked Bond, Add	*2.93*	
		For Curved Wall Application, Add	*2.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.37*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	32.32	
		For Stacked Bond, Add	*3.15*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.70*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	34.46	
		For Stacked Bond, Add	*3.48*	
		For Curved Wall Application, Add	*2.68*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.67*	
04 23		Glass Unit Masonry *(04 20)*		
04 23 13		**Vertical Glass Unit Masonry** *(04 23)*		
		Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
04 23 13 00-0001		Glass Block Unit Masonry *(04 23 13)*		
04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	50.02	
		For Solar Reflective (Suntrol) Blocks, Add	*8.41*	
		For Essex (Horizontal Striated) Blocks, Add	*4.80*	
		For Sculptured Or Patterned Blocks, Add	*8.41*	
		For Colored Glass, Add	*24.02*	
		For Thinline Block, Deduct	*-6.01*	
		For >1,000 To 5,000, Deduct	*-3.79*	
		For >5,000, Deduct	*-6.29*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	36.12	
		For Solar Reflective (Suntrol) Blocks, Add	*5.95*	
		For Essex (Horizontal Striated) Blocks, Add	*3.40*	
		For Sculptured Or Patterned Blocks, Add	*5.95*	
		For Colored Glass, Add	*17.00*	
		For Thinline Block, Deduct	*-4.25*	
		For >1,000 To 5,000, Deduct	*-2.75*	
		For >5,000, Deduct	*-4.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	39.32	
		For Solar Reflective (Suntrol) Blocks, Add	*7.61*	
		For Essex (Horizontal Striated) Blocks, Add	*4.35*	
		For Sculptured Or Patterned Blocks, Add	*7.61*	
		For Colored Glass, Add	*21.73*	
		For Thinline Block, Deduct	*-5.43*	
		For >1,000 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-4.80*	
04 23 13 00-0005		Solid Glass Block (Vistabrik®) *(04 23 13)*		
04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	428.69	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	326.64	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	225.79	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	158.40	

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001		Limestone *(04 43 16)*		
04 43 16 00-0002		Limestone Coping *(04 43 16 00-0001)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0003	SF	2-1/2" Thick Limestone Coping	24.17	6.80
04 43 16 00-0004	SF	3" Thick Limestone Coping	27.14	7.22
04 43 16 00-0005	SF	3-1/2" Thick Limestone Coping	30.11	7.65
04 43 16 00-0006	SF	4" Thick Limestone Coping	32.22	7.90
04 43 16 00-0007	SF	5" Thick Limestone Coping	37.31	8.07
04 43 16 00-0008	SF	6" Thick Limestone Coping	54.84	8.50
04 43 16 00-0009	CF	>6" Thick Limestone Coping	91.66	18.22
04 43 16 00-0010		Granite *(04 43 16)*		
04 43 16 00-0011		Granite Stair Treads *(04 43 16 00-0010)*		
04 43 16 00-0012	SF	2" Thick Granite Stair Tread	49.80	6.37
04 43 16 00-0013		Slate *(04 43 16)*		
04 43 16 00-0014		Slate Stair Treads *(04 43 16 00-0013)*		
04 43 16 00-0015	SF	2" Thick Slate Stair Tread	34.16	6.37
04 43 16 00-0016		Bluestone *(04 43 16)*		
04 43 16 00-0017		Bluestone Stair Treads *(04 43 16 00-0016)*		
04 43 16 00-0018		1" Thick, Bluestone Stair Treads *(04 43 16 00-0017)*		
04 43 16 00-0019	LF	8" Depth, 1" Thick, Bluestone Stair Tread	25.39	4.81
04 43 16 00-0020	LF	10" Depth, 1" Thick, Bluestone Stair Tread	27.10	5.10
04 43 16 00-0021	LF	12" Depth, 1" Thick, Bluestone Stair Tread	28.67	5.37
04 43 16 00-0022	LF	14" Depth, 1" Thick, Bluestone Stair Tread	32.03	5.66
04 43 16 00-0023	LF	16" Depth, 1" Thick, Bluestone Stair Tread	35.41	5.95
04 43 16 00-0024	LF	18" Depth, 1" Thick, Bluestone Stair Tread	38.87	6.22
04 43 16 00-0025		1-1/2" Thick, Bluestone Stair Treads *(04 43 16 00-0017)*		
04 43 16 00-0026	LF	8" Depth, 1-1/2" Thick, Bluestone Stair Tread	27.81	5.37
04 43 16 00-0027	LF	10" Depth, 1-1/2" Thick, Bluestone Stair Tread	29.52	5.66
04 43 16 00-0028	LF	12" Depth, 1-1/2" Thick, Bluestone Stair Tread	31.09	5.95
04 43 16 00-0029	LF	14" Depth, 1-1/2" Thick, Bluestone Stair Tread	34.55	6.22
04 43 16 00-0030	LF	16" Depth, 1-1/2" Thick, Bluestone Stair Tread	38.05	6.51
04 43 16 00-0031	LF	18" Depth, 1-1/2" Thick, Bluestone Stair Tread	41.64	6.80
04 43 16 00-0032		2" Thick, Bluestone Stair Treads *(04 43 16 00-0017)*		
04 43 16 00-0033	LF	8" Depth, 2" Thick, Bluestone Stair Tread	30.73	5.95
04 43 16 00-0034	LF	10" Depth, 2" Thick, Bluestone Stair Tread	31.85	6.22
04 43 16 00-0035	LF	12" Depth, 2" Thick, Bluestone Stair Tread	33.92	6.51
04 43 16 00-0036	LF	14" Depth, 2" Thick, Bluestone Stair Tread	37.76	6.80
04 43 16 00-0037	LF	16" Depth, 2" Thick, Bluestone Stair Tread	41.85	7.07
04 43 16 00-0038	LF	18" Depth, 2" Thick, Bluestone Stair Tread	45.28	7.36
04 43 16 00-0039		Bluestone Coping *(04 43 16 00-0016)*		
04 43 16 00-0040	SF	2" Thick Bluestone Coping	32.98	6.80
04 43 16 00-0041	SF	3" Thick Bluestone Coping	72.13	6.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001 Rectangular Flue Liners *(04 51)*

04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	15.98	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	22.24	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	25.30	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	31.54	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	38.70	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	44.10	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	48.02	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	59.50	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	63.60	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	82.17	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	89.54	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	106.36	

04 51 00 00-0014 Round Flue Liners *(04 51)*

04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	39.55	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	58.02	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	76.57	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	93.43	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	114.84	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	124.14	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	158.53	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	194.77	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	224.81	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	255.74	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	268.04	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	273.45	

04 51 00 00-0027 Standard Chimney Block *(04 51)*

Note: Includes refractory mortar. Excludes flue liners.

04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	23.58	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	25.54	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	25.72	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	26.94	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	28.30	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	29.74	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	33.48	

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001 Precast Concrete Lintels *(04 72)*

04 72 00 00-0002 Solid Precast Concrete Lintels *(04 72 00 00-0001)*

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	12.34	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	15.31	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	18.65	

04 72 00 00-0006 U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	13.20	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	15.79	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	24.78	

04 72 00 00-0010 Precast Concrete Coping *(04 72)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping.

04 72 00 00-0011 Precast Concrete Coping *(04 72 00 00-0010)*

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	42.38	9.87
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	47.67	10.63
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	54.99	11.38
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	59.10	12.15
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	63.25	12.91
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	75.09	13.66
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	85.56	14.43

04 72 00 00-0019 Precast Concrete Window Sills *(04 72)*

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills *(04 72 00 00-0019)*

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	30.99	7.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	46.22	7.59
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	54.48	7.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 05 Common Work Results For Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.18
		For >10 To 50, Deduct	*-0.38*
		For >50 To 100, Deduct	*-0.77*
		For >100, Deduct	*-1.54*
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.28
		For >10 To 50, Deduct	*-0.38*
		For >50 To 100, Deduct	*-0.77*
		For >100, Deduct	*-1.55*
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.55
		For >10 To 50, Deduct	*-0.39*
		For >50 To 100, Deduct	*-0.79*
		For >100, Deduct	*-1.59*
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.07
		For >10 To 50, Deduct	*-0.46*
		For >50 To 100, Deduct	*-0.94*
		For >100, Deduct	*-1.88*
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.15
		For >10 To 50, Deduct	*-0.46*
		For >50 To 100, Deduct	*-0.94*
		For >100, Deduct	*-1.88*
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.18
		For >10 To 50, Deduct	*-0.46*
		For >50 To 100, Deduct	*-0.94*
		For >100, Deduct	*-1.88*
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.47
		For >10 To 50, Deduct	*-0.46*
		For >50 To 100, Deduct	*-0.95*
		For >100, Deduct	*-1.90*
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.68
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.35*
		For >100, Deduct	*-2.69*
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.74
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.35*
		For >100, Deduct	*-2.69*
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.86
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.35*
		For >100, Deduct	*-2.70*
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.18
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.36*
		For >100, Deduct	*-2.72*
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.62
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.37*
		For >100, Deduct	*-2.74*
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.39
		For >10 To 50, Deduct	*-0.81*
		For >50 To 100, Deduct	*-1.69*
		For >100, Deduct	*-3.38*
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.49
		For >10 To 50, Deduct	*-0.81*
		For >50 To 100, Deduct	*-1.69*
		For >100, Deduct	*-3.39*
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.70
		For >10 To 50, Deduct	*-0.81*
		For >50 To 100, Deduct	*-1.70*
		For >100, Deduct	*-3.40*
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.09
		For >10 To 50, Deduct	*-0.81*
		For >50 To 100, Deduct	*-1.71*
		For >100, Deduct	*-3.42*
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.49
		For >10 To 50, Deduct	*-0.81*
		For >50 To 100, Deduct	*-1.72*
		For >100, Deduct	*-3.44*
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.63
		For >10 To 50, Deduct	*-0.81*
		For >50 To 100, Deduct	*-1.80*
		For >100, Deduct	*-3.60*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.32	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.73*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.50	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.05*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.59	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.05*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.07	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.64	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.10*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.31	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.82	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.26*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.16	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.43*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.94	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.62*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.23	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.22	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.88*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.85	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.01*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.74	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.04*	
		For >100, Deduct	*-6.07*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.48	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.26*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	48.18	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.22*	
		For >100, Deduct	*-6.44*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	53.28	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.92*	
		For >100, Deduct	*-7.83*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	55.95	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-7.96*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	8.97	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	9.30	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	9.71	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	11.57	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	11.86	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.97*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	12.06	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.98*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.62	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	18.07	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	18.61	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	18.91	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.33	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.97*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	22.46	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	26.29	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.73*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	27.68	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	29.17	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.87*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.16	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.97*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	39.89	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.41*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.39	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.44*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	34.20	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.58*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.60	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.70*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.90	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	39.15	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.83*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	45.00	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.12*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	53.25	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.54*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	53.36	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.79*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	77.99	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.97*	
		For >100, Deduct	*-7.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	90.19	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-4.27*	
		For >100, Deduct	*-8.54*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	9.25	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	9.83	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	12.50	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.00*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	12.99	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.11	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	15.46	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.15*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.31	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.97*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.67	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.14	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.75	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	33.86	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	34.60	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.15*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	41.97	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.97*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	45.06	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.13*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	17.85	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	19.12	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	20.39	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	21.02	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.01*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	25.22	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	23.70	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.80*	
		For >100, Deduct	*-3.60*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	33.35	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	34.74	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	41.60	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	41.50	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.11*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	45.45	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.31*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.36	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.50*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.18	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.57*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.32	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.57*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.50	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.62	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.75	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.77	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.01	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.24	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.14	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.44	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.70	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.69*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.02	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.83	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.29	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.33*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.64	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	19.62	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.04	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.97*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.89	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.66	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.06*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.89	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.12*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	9.48	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.63*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	12.47	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.00*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.79	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.64	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.01	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	28.96	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.86*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	8.87	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	9.12	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.48	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.69*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.48	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.74*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	10.86	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	11.60	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.95*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	12.18	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.98*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.99	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	16.43	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.75	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	19.44	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	21.76	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	23.33	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.58*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	24.71	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.65*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	28.56	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.30*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.03	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.37*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	11.34	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.18*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.90	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	17.16	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.17*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.69	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.53*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	24.00	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.09*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	14.05	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	19.03	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	23.88	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.51*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	30.51	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.07*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	42.58	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.02*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	8.39	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	9.02	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.19	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.02	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	21.57	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	26.11	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	8.56	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.18	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.87	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.27	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	20.63	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.45*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.73	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.01*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	11.25	
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.83*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	13.29	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.05*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	16.46	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	19.49	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	20.96	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	25.96	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	34.43	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.59*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	41.61	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	57.44	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-6.91*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	84.38	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-4.65*	
		For >100, Deduct	*-9.31*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	8.82	
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.71*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	9.68	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	12.13	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	13.83	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	18.06	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	22.58	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	25.30	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.37*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	33.75	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.72*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	38.84	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.50*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	44.88	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.33*	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	49.16	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.89*	
		For >100, Deduct	*-7.78*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	55.28	
		For >10 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.16*	
		For >100, Deduct	*-8.31*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	67.50	
		For >10 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-4.69*	
		For >100, Deduct	*-9.39*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	96.47	
		For >10 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-5.53*	
		For >100, Deduct	*-11.07*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	4.07	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.79*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	7.98	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.56*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	8.06	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	8.21	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.57*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	8.07	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.56*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	8.16	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.56*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	8.34	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.57*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	8.48	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	8.76	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	8.83	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	8.97	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	9.08	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	9.32	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.62*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	9.62	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	9.89	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	10.66	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.69*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	10.75	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.69*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	11.22	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.72*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	11.70	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.74*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	12.01	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.76*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	11.87	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.75*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	12.32	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.77*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	13.36	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.82*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	5.04	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.47*	
		For >100, Deduct	*-0.95*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	5.04	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.47*	
		For >100, Deduct	*-0.95*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	5.10	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.47*	
		For >100, Deduct	*-0.95*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	5.11	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.47*	
		For >100, Deduct	*-0.95*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	1.30	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.11*	
		For >100, Deduct	*-0.22*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	1.38	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100, Deduct	*-0.23*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	1.51	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.12*	
		For >100, Deduct	*-0.25*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	1.68	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.13*	
		For >100, Deduct	*-0.27*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	1.79	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.14*	
		For >100, Deduct	*-0.27*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	1.60	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100, Deduct	*-0.24*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	2.22	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.15*	
		For >100, Deduct	*-0.31*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Welding Minimum Charge *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Welding Minimum Charge Note: For projects where the total weldting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	345.03

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

See CSI section 05 05 21 00-0007 for a series of welds.

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	8.82	
		For Aluminum Welding, Add	*1.37*	
		For Stainless Steel Welding, Add	*2.27*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	6.87	
		For Aluminum Welding, Add	*1.08*	
		For Stainless Steel Welding, Add	*1.78*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	5.59	
		For Aluminum Welding, Add	*1.09*	
		For Stainless Steel Welding, Add	*1.71*	
		For Up To 25, Add	*1.85*	
		For >25 To 50, Add	*1.31*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	10.86	
		For Aluminum Welding, Add	*1.94*	
		For Stainless Steel Welding, Add	*3.10*	
		For Up To 25, Add	*3.67*	
		For >25 To 50, Add	*2.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	16.30	
		For Aluminum Welding, Add	*2.91*	
		For Stainless Steel Welding, Add	*4.66*	
		For Up To 25, Add	*5.51*	
		For >25 To 50, Add	*3.92*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	21.51	
		For Aluminum Welding, Add	*3.86*	
		For Stainless Steel Welding, Add	*6.17*	
		For Up To 25, Add	*7.26*	
		For >25 To 50, Add	*5.17*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	27.16	
		For Aluminum Welding, Add	*4.85*	
		For Stainless Steel Welding, Add	*7.77*	
		For Up To 25, Add	*9.18*	
		For >25 To 50, Add	*6.53*	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	31.66	
		For Aluminum Welding, Add	*5.37*	
		For Stainless Steel Welding, Add	*8.69*	
		For Up To 25, Add	*10.82*	
		For >25 To 50, Add	*7.71*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	37.13	
		For Aluminum Welding, Add	*6.66*	
		For Stainless Steel Welding, Add	*10.64*	
		For Up To 25, Add	*12.54*	
		For >25 To 50, Add	*8.92*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	43.48	
		For Aluminum Welding, Add	*7.49*	
		For Stainless Steel Welding, Add	*12.09*	
		For Up To 25, Add	*14.81*	
		For >25 To 50, Add	*10.55*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	50.41	
		For Aluminum Welding, Add	*8.71*	
		For Stainless Steel Welding, Add	*14.04*	
		For Up To 25, Add	*17.16*	
		For >25 To 50, Add	*12.22*	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	67.95	
		For Aluminum Welding, Add	*12.17*	
		For Stainless Steel Welding, Add	*19.46*	
		For Up To 25, Add	*22.96*	
		For >25 To 50, Add	*16.33*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	100.66	
		For Aluminum Welding, Add	*17.31*	
		For Stainless Steel Welding, Add	*27.93*	
		For Up To 25, Add	*34.31*	
		For >25 To 50, Add	*24.43*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	135.47	
		For Aluminum Welding, Add	*24.02*	
		For Stainless Steel Welding, Add	*38.50*	
		For Up To 25, Add	*45.87*	
		For >25 To 50, Add	*32.63*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	4.70	
		For Aluminum Welding, Add	*0.96*	
		For Stainless Steel Welding, Add	*1.49*	
		For Up To 25, Add	*1.54*	
		For >25 To 50, Add	*1.09*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	9.19	
		For Aluminum Welding, Add	*1.70*	
		For Stainless Steel Welding, Add	*2.70*	
		For Up To 25, Add	*3.08*	
		For >25 To 50, Add	*2.19*	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	13.74	
		For Aluminum Welding, Add	*2.55*	
		For Stainless Steel Welding, Add	*4.04*	
		For Up To 25, Add	*4.61*	
		For >25 To 50, Add	*3.27*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	18.16	
		For Aluminum Welding, Add	*3.39*	
		For Stainless Steel Welding, Add	*5.37*	
		For Up To 25, Add	*6.08*	
		For >25 To 50, Add	*4.32*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	22.93	
		For Aluminum Welding, Add	*4.25*	
		For Stainless Steel Welding, Add	*6.75*	
		For Up To 25, Add	*7.69*	
		For >25 To 50, Add	*5.46*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	26.62	
		For Aluminum Welding, Add	*4.64*	
		For Stainless Steel Welding, Add	*7.47*	
		For Up To 25, Add	*9.05*	
		For >25 To 50, Add	*6.44*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	31.31	
		For Aluminum Welding, Add	*5.84*	
		For Stainless Steel Welding, Add	*9.25*	
		For Up To 25, Add	*10.48*	
		For >25 To 50, Add	*7.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	36.65	
		For Aluminum Welding, Add	*6.54*	
		For Stainless Steel Welding, Add	*10.46*	
		For Up To 25, Add	*12.40*	
		For >25 To 50, Add	*8.82*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	42.66	
		For Aluminum Welding, Add	*7.75*	
		For Stainless Steel Welding, Add	*12.35*	
		For Up To 25, Add	*14.37*	
		For >25 To 50, Add	*10.22*	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	57.37	
		For Aluminum Welding, Add	*10.69*	
		For Stainless Steel Welding, Add	*16.95*	
		For Up To 25, Add	*19.21*	
		For >25 To 50, Add	*13.65*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	84.26	
		For Aluminum Welding, Add	*14.70*	
		For Stainless Steel Welding, Add	*23.65*	
		For Up To 25, Add	*28.63*	
		For >25 To 50, Add	*20.38*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	113.96	
		For Aluminum Welding, Add	*20.98*	
		For Stainless Steel Welding, Add	*33.34*	
		For Up To 25, Add	*38.27*	
		For >25 To 50, Add	*27.20*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0197 for drilling into concrete, 02 41 19 13-0207 for drilling into brick or block, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	10.67	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.78*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	12.05	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.84*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.09	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.85*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	14.54	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.15*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.41	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.42	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.29*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	22.71	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	24.46	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	17.57	1.08
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.23*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	21.50	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.55*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	25.70	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	37.98	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	44.61	1.48
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	50.42	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.50*	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	11.35	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.81*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	12.51	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.87*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	13.76	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	16.21	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.23*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	16.31	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.93	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.46*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	28.76	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	34.25	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.27*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	22.54	1.08
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.47*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	27.10	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.83*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	32.93	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.21*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	51.08	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.19*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	50.47	1.48
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.37*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	63.99	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.18*	

05 05 23 00-0033 A325 High Strength Structural Bolts *(05 05 23 00-0001)*

05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	10.35	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.76*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	10.66	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.78*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	11.63	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.82*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	14.56	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.15*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	17.31	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	12.99	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.89*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	16.01	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	18.59	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	23.60	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	15.34	1.08
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.06*	
		For >100, Deduct	*-2.11*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	19.12	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	22.19	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	24.19	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.85*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	17.20	1.12
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	21.04	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.61*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	24.85	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	32.80	1.39
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.38*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	31.10	1.39
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	35.60	1.48
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.63*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	42.31	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.10*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	50.28	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.63*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	10.96	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.79*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	11.18	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.80*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	12.92	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	15.48	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.19*	
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	16.43	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	13.58	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	16.75	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	19.75	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.47*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	26.35	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	18.89	1.08
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.29*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.22	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	24.74	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.80*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	31.83	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.23*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	19.96	1.12
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	27.37	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	30.14	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.15*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	39.33	1.39
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.71*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	39.07	1.39
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	41.69	1.48
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.93*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	49.29	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.44*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	57.56	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-4.99*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	12.12	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.85*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	17.88	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.31*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	19.21	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	13.99	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	17.15	1.14
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	20.43	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	27.18	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	16.49	1.08
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.17*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	19.49	1.19
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.45*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	29.67	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	19.90	1.12
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	24.07	1.25
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	28.11	1.31
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	35.92	1.39
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	47.11	1.48
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.21*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	49.48	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.45*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	51.51	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.69*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.91	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.94	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.02	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.06	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.25	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.28	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.40	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.54	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.58	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.76	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.21	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.98	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.01	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.33	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.45	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.50	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.75	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.19	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.40	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.06	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.09	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.19	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.27	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.49	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.64	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.79	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.39	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.84	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.58	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.47	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.58	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.81	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.31	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.97	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.33	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.79	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.95	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.47	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.99	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.26	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.64	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.26	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.79	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.39	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.61	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.85	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.08	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.26	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.32	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.52	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.48	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0206		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.32	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.46	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.01	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.27	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.60	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.09	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.14	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.57	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.18	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.80	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.06	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.31	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.80	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.88	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.28	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.93	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.92	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.56	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.43	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.26	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.85	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.93	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.13	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.49	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.33	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.19	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.04	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.97	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.87	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.70	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.58	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0266		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.52	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.87	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.99	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.28	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.35	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.47	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.17	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.70	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.64	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.72	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.65	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.61	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.51	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.61	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.57	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.55	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.97	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.02	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.06	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.51	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.67	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.54	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.67	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.79	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.11	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.46	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.06	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.10	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.16	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.27	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.50	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.64	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.88	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.33	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.01	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.07	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.31	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.43	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.12	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.15	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.26	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.38	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.78	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.87	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.14	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.75	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.93	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.11	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.48	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.05	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.46	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.07	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.31	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.67	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.51	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.45	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.96	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.60	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.07	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.30	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.82	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.69	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.66	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.98	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.08	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.65	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.73	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.10	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.52	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.90	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.16	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.90	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.58	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.53	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.17	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.92	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.50	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.66	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.13	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.24	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.60	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.50	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.01	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.49	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.43	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.80	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.20	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.95	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.45	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.07	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.73	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.83	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.99	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.07	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.89	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.03	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.01	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.98	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.06	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.87	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.36	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.31	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.69	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.82	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.12	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.04	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.43	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.48	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.07	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.78	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.30	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.71	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.68	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.00	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.09	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.25	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.45	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.57	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.68	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.82	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.33	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.61	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.89	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.45	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.63	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.12	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.28	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.30	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.32	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.54	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.81	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.23	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.00	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.06	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.51	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.19	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.22	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.57	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.53	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.41	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.42	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.67	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.83	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.42	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.05	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.66	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.39	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.41	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.07	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.73	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.07	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.71	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.65	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.95	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.65	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.89	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.29	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.32	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.69	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.04	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.44	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.18	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.13	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.22	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.16	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.35	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.19	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.33	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.05	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.76	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.32	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.44	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.20	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.91	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.28	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.17	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.46	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.39	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.73	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.30	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.10	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.57	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.98	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.16	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.98	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.01	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.20	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.28	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.45	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.62	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.90	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.06	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.43	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.75	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.51	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.11	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.85	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.67	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.22	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.76	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.09	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.87	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.84	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.59	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.31	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.02	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.22	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.94	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.31	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.53	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.72	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.68	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.16	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.64	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.77	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.83	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.43	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.56	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.62	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.02	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.46	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.50	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.52	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.86	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.59	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.19	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.31	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.63	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.92	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.16	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.26	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.63	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.89	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.62	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.00	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.62	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.68	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.98	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.14	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.18	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.74	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.30	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.46	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.69	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.84	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.89	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.03	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.55	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.79	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.35	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.69	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.29	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.71	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.12	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.65	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.77	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.23	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.63	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.57	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.96	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.85	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.98	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.36	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.07	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.48	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.70	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.82	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.14	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.91	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.27	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.85	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.35	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.98	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.06	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.98	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.67	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.58	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.80	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.69	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.32	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.92	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.86	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.00	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.68	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.34	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.68	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.67	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.92	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.28	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.65	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.42	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.83	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.22	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.77	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.90	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.76	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.03	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.02	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.10	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.21	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.32	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.57	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.74	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.45	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.67	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.99	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.36	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.23	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.72	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.17	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.25	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.40	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.53	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.90	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.39	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.49	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.08	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.44	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.46	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.71	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.02	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.57	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.90	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.33	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.58	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.82	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.04	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.27	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.36	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.74	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.22	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.55	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.86	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.69	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.13	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.40	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.86	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.53	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.52	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.49	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.73	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.77	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.09	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.09	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.62	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.22	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.18	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.13	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.81	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.66	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.79	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.64	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.06	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.70	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.45	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.29	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.01	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.54	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.59	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.32	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.59	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.91	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.97	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.21	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.44	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.76	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.05	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.02	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.22	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.56	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.22	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.01	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.40	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.80	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.05	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.53	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.01	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.35	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.82	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.03	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.65	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.88	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.68	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.43	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.48	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.94	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.53	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.51	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.27	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.03	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.86	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.93	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.65	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.99	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.19	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.78	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.32	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.58	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.84	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.97	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.04	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.86	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.00	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.14	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.56	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.07	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	70.99	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	89.54	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.18	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.35	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.47	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.55	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.15	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.37	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.67	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.93	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.63	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	20.26	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	35.14	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	38.54	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.41	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.60	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.92	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.16	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	8.39	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.05	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	9.62	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.36	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.26	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.91	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.28	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.99	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.44*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.38	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.49*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.35	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	11.04	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.57*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	13.87	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.17	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	22.81	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.79	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.23	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.93	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.73	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.67	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.60	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.70	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	8.92	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.66	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.56	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.91	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	16.37	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.96	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	22.50	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.05	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	26.62	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.56	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	37.95	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.67	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	39.79	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	19.79	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.36	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	26.64	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.74	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	32.86	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.98	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	38.07	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.64	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	42.92	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.74	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	45.75	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.77*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.90	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.04	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.98	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.31	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	20.20	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.03	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.76	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.26	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	29.02	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.59	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	31.69	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.73	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	35.51	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.01	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	53.10	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	14.48	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.80	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.02	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.22	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.51	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.83	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	23.80	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.96	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	25.60	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.60	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	28.06	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.57	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-1.98*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	39.21	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.28	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	45.05	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.02*	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	55.93	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.58	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	58.21	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.32	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	18.44	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.74	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	22.70	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.03	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	25.32	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.12	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	31.15	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.39	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.73	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.02	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	49.14	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.50	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	57.14	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.70	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	63.00	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	65.27	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	67.83	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	20.97	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.06*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.38	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	26.56	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.05	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	31.42	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.79	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	36.18	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.15*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.72	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	44.89	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.97	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.19*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	59.43	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.42	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	67.43	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.85	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	70.81	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.42	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	93.63	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.27*	

05 05 23 00-1162 Screws *(05 05 23)*

05 05 23 00-1163 Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*

Note: Screws include Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	2.60	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	2.71	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.01	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.52*	
05 05 23 00-1167	EA	1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	4.13	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.33*	
		For >100, Deduct	*-0.67*	
05 05 23 00-1168	EA	1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.40	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.70*	
05 05 23 00-1169	EA	1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	5.41	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1170	EA	1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	6.04	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.83*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.05	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.39*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.38	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.41*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.66	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.76	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	2.94	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.44*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.45	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.41*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.59	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.87	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	2.95	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.44*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.54	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.58	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.70	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.08	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.44*	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.76	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.84	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.21	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.45*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.78	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.86	0.39
		For Left Hand Threaded Rod, Add	*0.11*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.49	0.43
		For Left Hand Threaded Rod, Add	*0.16*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.89	0.49
		For Left Hand Threaded Rod, Add	*0.19*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.98	0.51
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.07	0.53
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.10	0.53
		For Left Hand Threaded Rod, Add	*0.40*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.78	0.54
		For Left Hand Threaded Rod, Add	*0.47*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.63	0.56
		For Left Hand Threaded Rod, Add	*0.85*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.52	0.58
		For Left Hand Threaded Rod, Add	*0.94*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.46	0.65
		For Left Hand Threaded Rod, Add	*1.31*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.03	0.74
		For Left Hand Threaded Rod, Add	*1.66*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	23.99	0.79
		For Left Hand Threaded Rod, Add	*2.24*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	29.94	0.86
		For Left Hand Threaded Rod, Add	*2.82*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	35.86	0.90
		For Left Hand Threaded Rod, Add	*3.41*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	44.07	0.94
		For Left Hand Threaded Rod, Add	*4.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	56.39	0.99
		For Left Hand Threaded Rod, Add	*5.44*	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.87	0.39
		For Left Hand Threaded Rod, Add	*0.11*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.84	0.43
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.16	0.49
		For Left Hand Threaded Rod, Add	*0.22*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.64	0.51
		For Left Hand Threaded Rod, Add	*0.36*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.01	0.53
		For Left Hand Threaded Rod, Add	*0.40*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.63	0.53
		For Left Hand Threaded Rod, Add	*0.56*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.06	0.54
		For Left Hand Threaded Rod, Add	*0.60*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.73	0.56
		For Left Hand Threaded Rod, Add	*0.96*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.97	0.58
		For Left Hand Threaded Rod, Add	*1.28*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	18.81	0.65
		For Left Hand Threaded Rod, Add	*1.75*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	24.33	0.74
		For Left Hand Threaded Rod, Add	*2.29*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	29.06	0.79
		For Left Hand Threaded Rod, Add	*2.74*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	33.08	0.86
		For Left Hand Threaded Rod, Add	*3.14*	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	41.73	0.90
		For Left Hand Threaded Rod, Add	*3.99*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	51.80	0.94
		For Left Hand Threaded Rod, Add	*4.99*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	75.77	0.99
		For Left Hand Threaded Rod, Add	*7.38*	

05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.36	0.49
		For Left Hand Threaded Rod, Add	*0.44*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.57	0.53
		For Left Hand Threaded Rod, Add	*0.65*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.30	0.54
		For Left Hand Threaded Rod, Add	*0.92*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	14.23	0.56
		For Left Hand Threaded Rod, Add	*1.31*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	19.79	0.58
		For Left Hand Threaded Rod, Add	*1.86*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	25.58	0.65
		For Left Hand Threaded Rod, Add	*2.43*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	33.71	0.74
		For Left Hand Threaded Rod, Add	*3.23*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	44.40	0.79
		For Left Hand Threaded Rod, Add	*4.28*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	49.66	0.86
		For Left Hand Threaded Rod, Add	*4.79*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	59.17	0.90
		For Left Hand Threaded Rod, Add	*5.74*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	71.97	0.94
		For Left Hand Threaded Rod, Add	*7.01*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	125.93	0.99
		For Left Hand Threaded Rod, Add	*12.40*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.52	0.39
		For Left Hand Threaded Rod, Add	*0.17*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.82	0.43
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.93	0.49
		For Left Hand Threaded Rod, Add	*0.39*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.88	0.51
		For Left Hand Threaded Rod, Add	*0.59*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.27	0.53
		For Left Hand Threaded Rod, Add	*0.72*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.93	0.53
		For Left Hand Threaded Rod, Add	*1.09*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.46	0.54
		For Left Hand Threaded Rod, Add	*1.14*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	17.49	0.56
		For Left Hand Threaded Rod, Add	*1.64*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	24.09	0.58
		For Left Hand Threaded Rod, Add	*2.29*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	30.93	0.65
		For Left Hand Threaded Rod, Add	*2.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	65.56	0.79
		For Left Hand Threaded Rod, Add	*6.39*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	99.90	0.90
		For Left Hand Threaded Rod, Add	*9.81*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	102.77	0.94
		For Left Hand Threaded Rod, Add	*10.09*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	142.26	0.99
		For Left Hand Threaded Rod, Add	*14.03*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	3.68	0.39
		For Left Hand Threaded Rod, Add	*0.29*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	5.97	0.43
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	7.94	0.49
		For Left Hand Threaded Rod, Add	*0.70*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	12.45	0.51
		For Left Hand Threaded Rod, Add	*1.14*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	13.20	0.53
		For Left Hand Threaded Rod, Add	*1.22*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	17.36	0.53
		For Left Hand Threaded Rod, Add	*1.63*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	18.69	0.54
		For Left Hand Threaded Rod, Add	*1.76*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	27.29	0.56
		For Left Hand Threaded Rod, Add	*2.62*	
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	37.40	0.58
		For Left Hand Threaded Rod, Add	*3.62*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	47.34	0.65
		For Left Hand Threaded Rod, Add	*4.60*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	100.05	0.79
		For Left Hand Threaded Rod, Add	*9.84*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	131.18	0.90
		For Left Hand Threaded Rod, Add	*12.94*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	3.37	0.39
		For Zinc Plating, Add	*1.29*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.28	0.43
		For Zinc Plating, Add	*2.21*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.51	0.49
		For Zinc Plating, Add	*2.26*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.03	0.51
		For Zinc Plating, Add	*2.51*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.66	0.53
		For Zinc Plating, Add	*2.81*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.38	0.53
		For Zinc Plating, Add	*3.66*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.66	0.54
		For Zinc Plating, Add	*3.79*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.59	0.56
		For Zinc Plating, Add	*5.24*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.94	0.58
		For Zinc Plating, Add	*6.39*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.14	0.65
		For Zinc Plating, Add	*8.41*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	23.66	0.74
		For Zinc Plating, Add	*11.10*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	26.33	0.79
		For Zinc Plating, Add	*12.35*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	30.45	0.86
		For Zinc Plating, Add	*14.37*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	37.10	0.90
		For Zinc Plating, Add	*17.66*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	38.35	0.94
		For Zinc Plating, Add	*18.24*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	51.62	0.99
		For Zinc Plating, Add	*24.83*	

05 05 23 00-1283 Nuts And Washers *(05 05 23)*

05 05 23 00-1284 Hex Nuts *(05 05 23 00-1283)*

05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.45	0.19
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.19
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.19
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.65	0.19
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.71	0.19
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.02	0.19
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.05	0.19
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.27	0.38
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.96	0.38
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.52	0.38
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.28	0.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.28	0.38
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	7.92	0.38
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	9.22	0.57
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	13.70	0.57
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	19.97	0.57
05 05 23 00-1302		**Zinc Plated Steel, Grade 5 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.47	0.19
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.51	0.19
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.56	0.19
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.69	0.19
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.83	0.19
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.05	0.19
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.08	0.19
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.47	0.38
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.16	0.38
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.12	0.38
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.87	0.38
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.00	0.38
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	10.44	0.38
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	11.55	0.57
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	21.15	0.57
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	30.49	0.57
05 05 23 00-1319		**Zinc Plated Steel, Grade 8 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.48	0.19
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.56	0.19
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.62	0.19
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.81	0.19
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.00	0.19
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.25	0.19
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.44	0.19
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.84	0.38
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.86	0.38
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.85	0.38
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	6.17	0.38
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.75	0.38
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.99	0.38
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.79	0.57
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	21.21	0.57
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	30.14	0.57
05 05 23 00-1336		**Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.48	0.19
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.19
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.59	0.19
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.79	0.19
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.93	0.19
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.06	0.19
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.19	0.19
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.65	0.38
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.49	0.38
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.50	0.38
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	5.95	0.38
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.70	0.38
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	11.59	0.38
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	13.57	0.57
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	23.94	0.57
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	41.70	0.57
05 05 23 00-1353		**304 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.52	0.19
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.62	0.19
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	0.70	0.19
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.08	0.19
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.17	0.19
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	1.83	0.19
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.04	0.19
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	2.36	0.38
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	3.91	0.38
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	6.04	0.38
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	14.65	0.38
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	28.26	0.57
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	49.81	0.57
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	71.06	0.57
05 05 23 00-1368		**316 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.62	0.19
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	0.71	0.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	0.85	0.19
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	1.44	0.19
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	1.55	0.19
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	2.15	0.19
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	2.43	0.19
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	3.42	0.38
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	4.78	0.38
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	7.42	0.38
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	22.80	0.38
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	36.95	0.57
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	62.46	0.57
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	116.26	0.57

05 05 23 00-1383 Flat Washers *(05 05 23 00-1283)*

05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.13	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.20	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.29	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.32	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.55	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.79	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.94	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.16	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.31	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.56	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.45	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.51	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.72	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.62	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.17	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.23	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.27	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.36	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.49	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.79	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.13	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.60	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.66	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.96	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.30	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.69	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.19	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.08	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	9.52	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.42	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.16	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.18	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.33	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.42	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.70	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.78	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.18	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.66	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.83	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.79	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.11	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.44	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.81	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	6.98	

05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.11	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.20	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.38	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.68	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.86	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.26	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.28	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.70	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.42	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.98	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.53	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.52	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.86	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	13.47	
05 05 23 00-1451		**316 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.21	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.23	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.41	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.48	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.89	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.60	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	1.89	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	2.38	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.68	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	4.11	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.69	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	5.77	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.10	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	6.24	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	9.14	
05 05 23 00-1467		**Lock Washers** *(05 05 23 00-1283)*		
05 05 23 00-1468		**Zinc Plated Steel, Low Carbon Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.18	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.21	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.32	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.52	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.94	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.38	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.12	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.35	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.95	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.04	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.93	
05 05 23 00-1485		**Hot Dipped Galvanized Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.13	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.15	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.23	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.30	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.61	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.87	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.38	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.50	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.98	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.30	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.92	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.66	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.07	
05 05 23 00-1502		**304/18-8 Stainless Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.09	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.13	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.18	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.33	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.36	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.88	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.04	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.21	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.19	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.10	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.41	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.19	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.14	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	10.97	
05 05 23 00-1517		**316 Stainless Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.11	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.24	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.48	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.53	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.94	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.03	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.78	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	2.95	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	4.01	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	5.60	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	8.62	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	15.43	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	17.13	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.30	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.60	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.80	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.18	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.84	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.40	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.26	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.54	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	11.60	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.91	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.24	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.15	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.84	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.56	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.86	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.64	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.30	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	13.53	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.79	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.87	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.96	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.81	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	5.06	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.46	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.70	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.70	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.03	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.41	
05 05 23 00-1567		Drilling In Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	15.08	
		For Aluminum, Deduct	*-1.51*	
		For Stainless Steel, Add	*1.89*	
		For >5 To 10, Deduct	*-1.51*	
		For >10 To 25, Deduct	*-3.77*	
		For >25 To 50, Deduct	*-5.28*	
		For >50, Deduct	*-7.54*	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	17.74	
		For Aluminum, Deduct	*-1.77*	
		For Stainless Steel, Add	*2.22*	
		For >5 To 10, Deduct	*-1.77*	
		For >10 To 25, Deduct	*-4.44*	
		For >25 To 50, Deduct	*-6.21*	
		For >50, Deduct	*-8.87*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	21.28	
		For Aluminum, Deduct	*-2.13*	
		For Stainless Steel, Add	*2.66*	
		For >5 To 10, Deduct	*-2.13*	
		For >10 To 25, Deduct	*-5.32*	
		For >25 To 50, Deduct	*-7.45*	
		For >50, Deduct	*-10.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	24.83	
		For Aluminum, Deduct	*-2.48*	
		For Stainless Steel, Add	*3.10*	
		For >5 To 10, Deduct	*-2.48*	
		For >10 To 25, Deduct	*-6.21*	
		For >25 To 50, Deduct	*-8.69*	
		For >50, Deduct	*-12.42*	
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	33.26	
		For Aluminum, Deduct	*-3.33*	
		For Stainless Steel, Add	*4.16*	
		For >5 To 10, Deduct	*-3.33*	
		For >10 To 25, Deduct	*-8.32*	
		For >25 To 50, Deduct	*-11.64*	
		For >50, Deduct	*-16.63*	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	17.74	
		For Aluminum, Deduct	*-1.77*	
		For Stainless Steel, Add	*2.22*	
		For >5 To 10, Deduct	*-1.77*	
		For >10 To 25, Deduct	*-4.44*	
		For >25 To 50, Deduct	*-6.21*	
		For >50, Deduct	*-8.87*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	22.17	
		For Aluminum, Deduct	*-2.22*	
		For Stainless Steel, Add	*2.77*	
		For >5 To 10, Deduct	*-2.22*	
		For >10 To 25, Deduct	*-5.54*	
		For >25 To 50, Deduct	*-7.76*	
		For >50, Deduct	*-11.09*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	26.61	
		For Aluminum, Deduct	*-2.66*	
		For Stainless Steel, Add	*3.33*	
		For >5 To 10, Deduct	*-2.66*	
		For >10 To 25, Deduct	*-6.65*	
		For >25 To 50, Deduct	*-9.31*	
		For >50, Deduct	*-13.31*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	33.26	
		For Aluminum, Deduct	*-3.33*	
		For Stainless Steel, Add	*4.16*	
		For >5 To 10, Deduct	*-3.33*	
		For >10 To 25, Deduct	*-8.32*	
		For >25 To 50, Deduct	*-11.64*	
		For >50, Deduct	*-16.63*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	22.17	
		For Aluminum, Deduct	*-2.22*	
		For Stainless Steel, Add	*2.77*	
		For >5 To 10, Deduct	*-2.22*	
		For >10 To 25, Deduct	*-5.54*	
		For >25 To 50, Deduct	*-7.76*	
		For >50, Deduct	*-11.09*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	29.27	
		For Aluminum, Deduct	*-2.93*	
		For Stainless Steel, Add	*3.66*	
		For >5 To 10, Deduct	*-2.93*	
		For >10 To 25, Deduct	*-7.32*	
		For >25 To 50, Deduct	*-10.24*	
		For >50, Deduct	*-14.64*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	35.48	
		For Aluminum, Deduct	*-3.55*	
		For Stainless Steel, Add	*4.44*	
		For >5 To 10, Deduct	*-3.55*	
		For >10 To 25, Deduct	*-8.87*	
		For >25 To 50, Deduct	*-12.42*	
		For >50, Deduct	*-17.74*	

05 05 23 00-1580 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1581	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	2.85
05 05 23 00-1582	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	2.91
05 05 23 00-1583	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	2.93
05 05 23 00-1584	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	2.96
05 05 23 00-1585	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	2.82
05 05 23 00-1586	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	2.96
05 05 23 00-1587	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.10
05 05 23 00-1588	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.18
05 05 23 00-1589	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.26
05 05 23 00-1590	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.55
05 05 23 00-1591	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.79
05 05 23 00-1592	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.99
05 05 23 00-1593	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	3.44
05 05 23 00-1594	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	3.46
05 05 23 00-1595	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	3.68
05 05 23 00-1596	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	3.89
05 05 23 00-1597	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.15
05 05 23 00-1598	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.55
05 05 23 00-1599	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.81
05 05 23 00-1600	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.52
05 05 23 00-1601	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.86
05 05 23 00-1602	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	4.86
05 05 23 00-1603	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	5.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1604	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	5.47	
05 05 23 00-1605	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	5.74	
05 05 23 00-1606	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	5.97	
05 05 23 00-1607	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	6.18	
05 05 23 00-1608	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	6.45	
05 05 23 00-1609	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.60	
05 05 23 00-1610	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.18	

05 05 23 00-1611 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1611)*

05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	6.20	
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	6.44	
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	6.50	
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	6.54	
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	6.81	
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	7.31	
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	12.16	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	7.89	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	8.78	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	11.58	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	11.86	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	12.83	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	16.89	

05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1611)*

05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	7.41	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	7.79	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	8.18	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	9.29	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	12.18	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	13.36	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	14.52	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	17.78	

05 05 23 00-1635 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1611)*

05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	9.94	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	11.13	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	12.89	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	16.58	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	18.42	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	20.26	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel For Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns	6,658.75	915.86
		For ASTM A242 Type 2 High Strength Steel, Add	*381.12*	
		For Hot Dip Galvanizing, Add	*1,333.93*	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns	4,541.46	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*312.79*	
		For Hot Dip Galvanizing, Add	*1,094.77*	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns	3,826.40	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*277.69*	
		For Hot Dip Galvanizing, Add	*971.92*	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns	2,562.40	177.28
		For ASTM A242 Type 2 High Strength Steel, Add	*189.83*	
		For Hot Dip Galvanizing, Add	*664.42*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	4,817.96	622.85
		For ASTM A242 Type 2 High Strength Steel, Add	*332.31*	
		For Hot Dip Galvanizing, Add	*1,163.10*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011	TON	Up To 10 LB/LF Rolled Shape Steel Angles	9,717.56	1,702.57
		For ASTM A242 Type 2 High Strength Steel, Add	*550.40*	
		For Hot Dip Galvanizing, Add	*1,926.38*	
05 12 23 00-0012	TON	>10 To 20 LB/LF Rolled Shape Steel Angles	8,476.09	999.17
		For ASTM A242 Type 2 High Strength Steel, Add	*526.51*	
		For Hot Dip Galvanizing, Add	*1,842.79*	
05 12 23 00-0013	TON	>20 To 58 LB/LF Rolled Shape Steel Angles	6,421.01	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*463.16*	
		For Hot Dip Galvanizing, Add	*1,621.07*	
05 12 23 00-0014		**Rolled C, MC Steel Channels** *(05 12 23 00-0009)*		
05 12 23 00-0015	TON	Up To 10 LB/LF Rolled C, MC Steel Channels	10,680.03	2,331.38
		For ASTM A242 Type 2 High Strength Steel, Add	*542.09*	
		For Hot Dip Galvanizing, Add	*1,897.31*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	8,385.22	1,776.29
		For ASTM A242 Type 2 High Strength Steel, Add	*519.24*	
		For Hot Dip Galvanizing, Add	*1,817.34*	
05 12 23 00-0017	TON	>20 To 58 LB/LF Rolled C, MC Steel Channels	6,317.16	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*454.86*	
		For Hot Dip Galvanizing, Add	*1,591.99*	
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 LB/LF Double L Shape Steel Angles	8,985.01	1,350.86
		For ASTM A242 Type 2 High Strength Steel, Add	*529.63*	
		For Hot Dip Galvanizing, Add	*1,853.69*	
05 12 23 00-0020	TON	>20 To 50 LB/LF Double L Shape Steel Angles	6,862.36	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*498.47*	
		For Hot Dip Galvanizing, Add	*1,744.65*	
05 12 23 00-0021	TON	>50 To 80 LB/LF Double L Shape Steel Angles	5,158.24	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*384.24*	
		For Hot Dip Galvanizing, Add	*1,344.83*	
05 12 23 00-0022	TON	>80 To 115 LB/LF Double L Shape Steel Angles	3,304.62	177.54
		For ASTM A242 Type 2 High Strength Steel, Add	*249.24*	
		For Hot Dip Galvanizing, Add	*872.33*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes	8,125.60	999.17
		For ASTM A242 Type 2 High Strength Steel, Add	*498.47*	
		For Hot Dip Galvanizing, Add	*1,744.65*	
05 12 23 00-0025	TON	>30 To 65 LB/LF Structural WT, MT, ST Tee Shapes	5,395.61	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*381.12*	
		For Hot Dip Galvanizing, Add	*1,333.93*	
05 12 23 00-0026	TON	>65 To 100 LB/LF Structural WT, MT, ST Tee Shapes	4,249.57	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*311.54*	
		For Hot Dip Galvanizing, Add	*1,090.41*	
05 12 23 00-0027	TON	>100 To 365 LB/LF Structural WT, MT, ST Tee Shapes	3,123.18	177.28
		For ASTM A242 Type 2 High Strength Steel, Add	*234.70*	
		For Hot Dip Galvanizing, Add	*821.44*	
05 12 23 00-0028		**Combination Section Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0029		**Combination Section, W Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 LB/LF Combination Section - W Shapes And Angles	7,723.19	999.17
		For ASTM A242 Type 2 High Strength Steel, Add	*466.28*	
		For Hot Dip Galvanizing, Add	*1,631.97*	
05 12 23 00-0031	TON	>30-65 LB/LF Combination Section - W Shapes And Angles	5,434.56	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*384.24*	
		For Hot Dip Galvanizing, Add	*1,344.84*	
05 12 23 00-0032	TON	>65-100 LB/LF Combination Section - W Shapes And Angles	3,925.04	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*285.58*	
		For Hot Dip Galvanizing, Add	*999.54*	
05 12 23 00-0033	TON	>100-300 LB/LF Combination Section - W Shapes And Angles	3,382.51	177.28
		For ASTM A242 Type 2 High Strength Steel, Add	*255.47*	
		For Hot Dip Galvanizing, Add	*894.14*	
05 12 23 00-0034	TON	>300-500 LB/LF Combination Section - W Shapes And Angles	2,911.62	88.99
		For ASTM A242 Type 2 High Strength Steel, Add	*225.35*	
		For Hot Dip Galvanizing, Add	*788.73*	
05 12 23 00-0035		**Combination Section, S Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0036	TON	>30-65 LB/LF Combination Section - S Shapes And Angles	5,226.85	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*367.62*	
		For Hot Dip Galvanizing, Add	*1,286.68*	
05 12 23 00-0037	TON	>65-100 LB/LF Combination Section - S Shapes And Angles	3,938.02	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*286.62*	
		For Hot Dip Galvanizing, Add	*1,003.17*	
05 12 23 00-0038		**Combination Section, Channels And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0039	TON	Up To 30 LB/LF Combination Section - Channels And Angles	8,125.60	999.17
		For ASTM A242 Type 2 High Strength Steel, Add	*498.47*	
		For Hot Dip Galvanizing, Add	*1,744.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0040	TON	>30-65 LB/LF Combination Section - Channels And Angles	5,694.17	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*405.01*	
		For Hot Dip Galvanizing, Add	*1,417.53*	
05 12 23 00-0041	TON	>65-100 LB/LF Combination Section - Channels And Angles	4,028.89	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*293.89*	
		For Hot Dip Galvanizing, Add	*1,028.62*	

05 12 23 00-0042 Standard Weight Pipe *(05 12 23 00-0001)*

05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	4,618.49	532.88
		For ASTM A242 Type 2 High Strength Steel, Add	*324.01*	
		For Hot Dip Galvanizing, Add	*1,134.02*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	4,942.32	666.11
		For ASTM A242 Type 2 High Strength Steel, Add	*338.54*	
		For Hot Dip Galvanizing, Add	*1,184.91*	

05 12 23 00-0045 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0046 Steel Rods *(05 12 23 00-0045)*

05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	4,961.46	416.36
		For ASTM A242 Type 2 High Strength Steel, Add	*361.39*	
		For Hot Dip Galvanizing, Add	*1,264.87*	
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	5,694.17	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*405.01*	
		For Hot Dip Galvanizing, Add	*1,417.53*	

05 12 23 00-0049 Column Base Plates *(05 12 23 00-0045)*

05 12 23 00-0050	LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	2.53	0.55
		For ASTM A242 Type 2 High Strength Steel, Add	*0.16*	
		For Hot Dip Galvanizing, Add	*0.55*	
05 12 23 00-0051	LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	2.37	0.47
		For ASTM A242 Type 2 High Strength Steel, Add	*0.15*	
		For Hot Dip Galvanizing, Add	*0.52*	
05 12 23 00-0052	TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	4,542.41	493.96
		For ASTM A242 Type 2 High Strength Steel, Add	*321.24*	
		For Hot Dip Galvanizing, Add	*1,124.35*	
05 12 23 00-0053	TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	3,220.51	296.38
		For ASTM A242 Type 2 High Strength Steel, Add	*232.35*	
		For Hot Dip Galvanizing, Add	*813.22*	

05 12 23 00-0054 Double Extra Strong Pipes *(05 12 23 00-0045)*

05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	5,978.47	761.23
		For ASTM A242 Type 2 High Strength Steel, Add	*413.32*	
		For Hot Dip Galvanizing, Add	*1,446.61*	
05 12 23 00-0056	TON	>5" To 8" Diameter Double Extra Strong Pipe	5,603.69	409.88
		For ASTM A242 Type 2 High Strength Steel, Add	*413.32*	
		For Hot Dip Galvanizing, Add	*1,446.61*	

05 12 23 00-0057 Structural Pipes *(05 12 23 00-0045)*

05 12 23 00-0058	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	4,175.83	351.71
		For ASTM A242 Type 2 High Strength Steel, Add	*290.78*	
		For Hot Dip Galvanizing, Add	*1,017.71*	
05 12 23 00-0059	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	4,529.55	405.61
		For ASTM A242 Type 2 High Strength Steel, Add	*290.78*	
		For Hot Dip Galvanizing, Add	*1,017.71*	

05 12 23 00-0060 Structural Tubing *(05 12 23 00-0045)*

05 12 23 00-0061 Rectangle Structural Tubing *(05 12 23 00-0060)*

05 12 23 00-0062	TON	3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle	6,869.46	355.26
		For ASTM A242 Type 2 High Strength Steel, Add	*519.24*	
		For Hot Dip Galvanizing, Add	*1,817.34*	
05 12 23 00-0063	TON	4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	6,927.75	409.88
		For ASTM A242 Type 2 High Strength Steel, Add	*519.24*	
		For Hot Dip Galvanizing, Add	*1,817.34*	
05 12 23 00-0064	TON	5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	6,055.52	444.07
		For ASTM A242 Type 2 High Strength Steel, Add	*446.55*	
		For Hot Dip Galvanizing, Add	*1,562.92*	
05 12 23 00-0065	TON	6" x 4", 3 ", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	5,760.82	532.88
		For ASTM A242 Type 2 High Strength Steel, Add	*415.39*	
		For Hot Dip Galvanizing, Add	*1,453.87*	
05 12 23 00-0066	TON	7" x 5", 4 ", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	5,434.55	592.04
		For ASTM A242 Type 2 High Strength Steel, Add	*384.24*	
		For Hot Dip Galvanizing, Add	*1,344.83*	
05 12 23 00-0067	TON	8" x 6", 4 ", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	5,676.92	819.31
		For ASTM A242 Type 2 High Strength Steel, Add	*384.24*	
		For Hot Dip Galvanizing, Add	*1,344.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0068	TON	10" x 6", 4 ", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	6,062.14	1,083.10
		For ASTM A242 Type 2 High Strength Steel, Add	*392.55*	
		For Hot Dip Galvanizing, Add	*1,373.91*	
05 12 23 00-0069	TON	12" x 6", 4 ", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	6,220.77	1,183.10
		For ASTM A242 Type 2 High Strength Steel, Add	*396.70*	
		For Hot Dip Galvanizing, Add	*1,388.45*	
05 12 23 00-0070	TON	14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	6,379.78	1,332.22
		For ASTM A242 Type 2 High Strength Steel, Add	*396.70*	
		For Hot Dip Galvanizing, Add	*1,388.45*	
05 12 23 00-0071	TON	16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	7,892.19	2,798.81
		For ASTM A242 Type 2 High Strength Steel, Add	*392.55*	
		For Hot Dip Galvanizing, Add	*1,373.91*	
05 12 23 00-0072	TON	18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	6,671.73	1,776.29
		For ASTM A242 Type 2 High Strength Steel, Add	*382.16*	
		For Hot Dip Galvanizing, Add	*1,337.57*	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle	9,395.64	4,086.62
		For ASTM A242 Type 2 High Strength Steel, Add	*402.93*	
		For Hot Dip Galvanizing, Add	*1,410.26*	

05 12 23 00-0074 Square Structural Tubing *(05 12 23 00-0060)*

05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square	6,845.77	333.06
		For ASTM A242 Type 2 High Strength Steel, Add	*519.24*	
		For Hot Dip Galvanizing, Add	*1,817.34*	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square	6,869.46	355.26
		For ASTM A242 Type 2 High Strength Steel, Add	*519.24*	
		For Hot Dip Galvanizing, Add	*1,817.34*	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square	6,185.33	444.07
		For ASTM A242 Type 2 High Strength Steel, Add	*456.93*	
		For Hot Dip Galvanizing, Add	*1,599.26*	
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square	6,150.25	532.88
		For ASTM A242 Type 2 High Strength Steel, Add	*446.55*	
		For Hot Dip Galvanizing, Add	*1,562.92*	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square	4,968.29	666.11
		For ASTM A242 Type 2 High Strength Steel, Add	*340.62*	
		For Hot Dip Galvanizing, Add	*1,192.18*	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square	5,069.80	761.23
		For ASTM A242 Type 2 High Strength Steel, Add	*340.62*	
		For Hot Dip Galvanizing, Add	*1,192.18*	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square	5,394.61	1,065.78
		For ASTM A242 Type 2 High Strength Steel, Add	*340.62*	
		For Hot Dip Galvanizing, Add	*1,192.18*	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square	5,756.69	1,332.22
		For ASTM A242 Type 2 High Strength Steel, Add	*346.85*	
		For Hot Dip Galvanizing, Add	*1,213.98*	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square	6,931.35	1,776.29
		For ASTM A242 Type 2 High Strength Steel, Add	*402.93*	
		For Hot Dip Galvanizing, Add	*1,410.26*	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square	7,878.70	2,664.43
		For ASTM A242 Type 2 High Strength Steel, Add	*402.93*	
		For Hot Dip Galvanizing, Add	*1,410.26*	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square	7,671.41	3,127.25
		For ASTM A242 Type 2 High Strength Steel, Add	*346.85*	
		For Hot Dip Galvanizing, Add	*1,213.98*	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square	9,291.79	4,086.62
		For ASTM A242 Type 2 High Strength Steel, Add	*394.62*	
		For Hot Dip Galvanizing, Add	*1,381.18*	
05 12 23 00-0087	TON	16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square	10,720.77	5,328.87
		For ASTM A242 Type 2 High Strength Steel, Add	*402.93*	
		For Hot Dip Galvanizing, Add	*1,410.26*	

05 12 23 00-0088 Structural Shapes *(05 12 23 00-0045)*

05 12 23 00-0089	TON	Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	6,576.09	1,975.84
		For ASTM A242 Type 2 High Strength Steel, Add	*275.19*	
		For Hot Dip Galvanizing, Add	*963.15*	
		For >20 To 50 LB/LF, Deduct	*-814.42*	
		For >50 To 75 LB/LF, Deduct	*-1,300.04*	
		For >75 To 100 LB/LF, Deduct	*-1,785.66*	
05 12 23 00-0090	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF	5,205.00	790.33
		For ASTM A242 Type 2 High Strength Steel, Add	*332.32*	
		For Hot Dip Galvanizing, Add	*1,163.13*	
		For >21.5 To 50 LB/LF, Deduct	*-573.05*	
05 12 23 00-0091	LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	3.01	0.18
05 12 23 00-0092	LB	Structural Shapes, Galvanized Pipe Supports	3.66	0.18

05 12 23 00-0093 Built-Up Trusses *(05 12 23 00-0045)*

05 12 23 00-0094	TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	5,567.48	266.44
05 12 23 00-0095	TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	5,493.09	147.96
05 12 23 00-0096	TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,886.57	78.34
05 12 23 00-0097	TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,752.11	74.07

05 12 23 00-0098 Accessories For Steel *(05 12 23)*

05 12 23 00-0099 Field Painting For Touch-Up Of Shop Prime Coat *(05 12 23 00-0098)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0100	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.88	

05 12 23 00-0101 Connection And Stiffener Plates *(05 12 23 00-0098)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0102	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	11,992.23	
05 12 23 00-0103	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	10,231.72	
05 12 23 00-0104	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	7,912.40	
05 12 23 00-0105	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	7,912.40	
05 12 23 00-0106	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	7,912.40	
05 12 23 00-0107	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	7,912.40	
05 12 23 00-0108	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	7,912.40	
05 12 23 00-0109	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	7,912.40	
05 12 23 00-0110	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	7,417.88	
05 12 23 00-0111	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	7,417.88	
05 12 23 00-0112	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	7,417.88	

05 12 23 00-0113 Field Applied Cold Galvanizing *(05 12 23 00-0098)*

05 12 23 00-0114	SF	Brush Applied Cold Galvanizing	1.43	

05 12 23 00-0115 Metal Grinding *(05 12 23 00-0098)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0116	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	0.64	

05 12 23 00-0117 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0118 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0117)*

Note: With base plate. Includes material delivery and erection.

05 12 23 00-0119	LF	W14 x 730 A992/A36 Structural Column	1,129.33	54.81
		For Hot Dip Galvanizing, Add	*297.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*101.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*225.87*	
05 12 23 00-0120	LF	W14 x 665 A992/A36 Structural Column	1,030.00	51.08
		For Hot Dip Galvanizing, Add	*270.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*92.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*206.00*	
05 12 23 00-0121	LF	W14 x 605 A992/A36 Structural Column	938.23	47.54
		For Hot Dip Galvanizing, Add	*246.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*84.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*187.65*	
05 12 23 00-0122	LF	W14 x 550 A992/A36 Structural Column	854.00	44.23
		For Hot Dip Galvanizing, Add	*223.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*76.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*170.80*	
05 12 23 00-0123	LF	W14 x 500 A992/A36 Structural Column	782.79	46.18
		For Hot Dip Galvanizing, Add	*203.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*70.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*156.56*	
05 12 23 00-0124	LF	W14 x 426 A992/A36 Structural Column	667.91	40.32
		For Hot Dip Galvanizing, Add	*173.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*60.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*133.58*	
05 12 23 00-0125	LF	W14 x 342 A992/A36 Structural Column	540.15	34.90
		For Hot Dip Galvanizing, Add	*139.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*108.03*	
05 12 23 00-0126	LF	W14 x 311 A992/A36 Structural Column	486.53	32.59
		For Hot Dip Galvanizing, Add	*125.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*43.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*97.31*	
05 12 23 00-0127	LF	W14 x 283 A992/A36 Structural Column	441.63	30.73
		For Hot Dip Galvanizing, Add	*113.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*88.33*	
05 12 23 00-0128	LF	W14 x 257 A992/A36 Structural Column	388.24	29.13
		For Hot Dip Galvanizing, Add	*99.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.65*	
05 12 23 00-0129	LF	W14 x 233 A992/A36 Structural Column	357.29	27.08
		For Hot Dip Galvanizing, Add	*91.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.46*	
05 12 23 00-0130	LF	W14 x 211 A992/A36 Structural Column	317.84	25.22
		For Hot Dip Galvanizing, Add	*80.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*63.57*	
05 12 23 00-0131	LF	W14 x 193 A992/A36 Structural Column	287.50	23.98
		For Hot Dip Galvanizing, Add	*72.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0132	LF	W14 x 176 A992/A36 Structural Column	259.16	22.91
		For Hot Dip Galvanizing, Add	*65.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.83*	
05 12 23 00-0133	LF	W14 x 159 A992/A36 Structural Column	234.36	22.12
		For Hot Dip Galvanizing, Add	*58.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.87*	
05 12 23 00-0134	LF	W14 x 145 A992/A36 Structural Column	226.49	21.41
		For Hot Dip Galvanizing, Add	*56.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.30*	
05 12 23 00-0135	LF	W14 x 132 A992/A36 Structural Column	193.75	20.43
		For Hot Dip Galvanizing, Add	*47.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.75*	
05 12 23 00-0136	LF	W14 x 120 A992/A36 Structural Column	181.68	19.89
		For Hot Dip Galvanizing, Add	*44.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.34*	
05 12 23 00-0137	LF	W14 x 109 A992/A36 Structural Column	162.71	19.10
		For Hot Dip Galvanizing, Add	*39.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.54*	
05 12 23 00-0138	LF	W14 x 99 A992/A36 Structural Column	148.50	18.56
		For Hot Dip Galvanizing, Add	*35.74*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.70*	
05 12 23 00-0139	LF	W14 x 90 A992/A36 Structural Column	137.98	18.12
		For Hot Dip Galvanizing, Add	*32.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.60*	
05 12 23 00-0140	LF	W14 x 82 A992/A36 Structural Column	127.13	17.58
		For Hot Dip Galvanizing, Add	*30.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.43*	
05 12 23 00-0141	LF	W14 x 74 A992/A36 Structural Column	114.82	17.14
		For Hot Dip Galvanizing, Add	*26.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.96*	
05 12 23 00-0142	LF	W14 x 68 A992/A36 Structural Column	107.27	16.87
		For Hot Dip Galvanizing, Add	*24.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.45*	
05 12 23 00-0143	LF	W14 x 61 A992/A36 Structural Column	97.85	16.43
		For Hot Dip Galvanizing, Add	*22.30*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.57*	
05 12 23 00-0144	LF	W14 x 53 A992/A36 Structural Column	89.15	15.98
		For Hot Dip Galvanizing, Add	*20.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.83*	
05 12 23 00-0145	LF	W14 x 48 A992/A36 Structural Column	83.54	15.72
		For Hot Dip Galvanizing, Add	*18.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.71*	
05 12 23 00-0146	LF	W14 x 43 A992/A36 Structural Column	75.42	15.45
		For Hot Dip Galvanizing, Add	*16.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.08*	
05 12 23 00-0147	LF	W12 x 336 A992/A36 Structural Column	514.95	24.40
		For Hot Dip Galvanizing, Add	*135.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*102.99*	
05 12 23 00-0148	LF	W12 x 305 A992/A36 Structural Column	469.33	23.93
		For Hot Dip Galvanizing, Add	*123.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*93.87*	
05 12 23 00-0149	LF	W12 x 279 A992/A36 Structural Column	431.19	23.63
		For Hot Dip Galvanizing, Add	*112.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*86.24*	
05 12 23 00-0150	LF	W12 x 252 A992/A36 Structural Column	391.27	23.04
		For Hot Dip Galvanizing, Add	*101.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*78.25*	
05 12 23 00-0151	LF	W12 x 230 A992/A36 Structural Column	358.90	22.71
		For Hot Dip Galvanizing, Add	*92.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.78*	
05 12 23 00-0152	LF	W12 x 210 A992/A36 Structural Column	329.46	22.39
		For Hot Dip Galvanizing, Add	*84.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.89*	
05 12 23 00-0153	LF	W12 x 190 A992/A36 Structural Column	302.70	24.51
		For Hot Dip Galvanizing, Add	*76.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0154	LF	W12 x 170 A992/A36 Structural Column	273.57	23.80
		For Hot Dip Galvanizing, Add	*68.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*54.71*	
05 12 23 00-0155	LF	W12 x 152 A992/A36 Structural Column	246.62	22.12
		For Hot Dip Galvanizing, Add	*61.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.32*	
05 12 23 00-0156	LF	W12 x 136 A992/A36 Structural Column	234.46	21.49
		For Hot Dip Galvanizing, Add	*58.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.89*	
05 12 23 00-0157	LF	W12 x 120 A992/A36 Structural Column	177.59	19.71
		For Hot Dip Galvanizing, Add	*43.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.52*	
05 12 23 00-0158	LF	W12 x 106 A992/A36 Structural Column	163.68	19.10
		For Hot Dip Galvanizing, Add	*39.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.74*	
05 12 23 00-0159	LF	W12 x 96 A992/A36 Structural Column	146.46	18.47
		For Hot Dip Galvanizing, Add	*35.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.29*	
05 12 23 00-0160	LF	W12 x 87 A992/A36 Structural Column	135.13	17.85
		For Hot Dip Galvanizing, Add	*32.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.03*	
05 12 23 00-0161	LF	W12 x 79 A992/A36 Structural Column	118.60	17.32
		For Hot Dip Galvanizing, Add	*27.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.72*	
05 12 23 00-0162	LF	W12 x 72 A992/A36 Structural Column	108.57	16.87
		For Hot Dip Galvanizing, Add	*25.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.71*	
05 12 23 00-0163	LF	W12 x 65 A992/A36 Structural Column	99.26	16.52
		For Hot Dip Galvanizing, Add	*22.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.85*	
05 12 23 00-0164	LF	W12 x 58 A992/A36 Structural Column	96.05	16.34
		For Hot Dip Galvanizing, Add	*21.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.21*	
05 12 23 00-0165	LF	W12 x 53 A992/A36 Structural Column	89.15	15.98
		For Hot Dip Galvanizing, Add	*20.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.83*	
05 12 23 00-0166	LF	W12 x 50 A992/A36 Structural Column	86.40	15.90
		For Hot Dip Galvanizing, Add	*19.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.28*	
05 12 23 00-0167	LF	W12 x 45 A992/A36 Structural Column	78.51	15.54
		For Hot Dip Galvanizing, Add	*17.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.70*	
05 12 23 00-0168	LF	W12 x 40 A992/A36 Structural Column	70.38	15.19
		For Hot Dip Galvanizing, Add	*15.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.08*	
05 12 23 00-0169	LF	W10 x 112 A992/A36 Structural Column	171.20	19.45
		For Hot Dip Galvanizing, Add	*41.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.24*	
05 12 23 00-0170	LF	W10 x 110 A992/A36 Structural Column	154.86	18.65
		For Hot Dip Galvanizing, Add	*37.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.97*	
05 12 23 00-0171	LF	W10 x 88 A992/A36 Structural Column	139.22	18.03
		For Hot Dip Galvanizing, Add	*33.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.84*	
05 12 23 00-0172	LF	W10 x 77 A992/A36 Structural Column	123.82	17.32
		For Hot Dip Galvanizing, Add	*29.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.76*	
05 12 23 00-0173	LF	W10 x 68 A992/A36 Structural Column	111.52	16.87
		For Hot Dip Galvanizing, Add	*25.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.30*	
05 12 23 00-0174	LF	W10 x 60 A992/A36 Structural Column	97.85	16.43
		For Hot Dip Galvanizing, Add	*22.30*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.57*	
05 12 23 00-0175	LF	W10 x 54 A992/A36 Structural Column	97.18	16.16
		For Hot Dip Galvanizing, Add	*22.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0176	LF	W10 x 49 A992/A36 Structural Column	85.32	15.90
		For Hot Dip Galvanizing, Add	*18.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.06*	
05 12 23 00-0177	LF	W10 x 45 A992/A36 Structural Column	82.35	15.63
		For Hot Dip Galvanizing, Add	*18.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.47*	
05 12 23 00-0178	LF	W10 x 39 A992/A36 Structural Column	71.69	15.37
		For Hot Dip Galvanizing, Add	*15.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.34*	
05 12 23 00-0179	LF	W10 x 33 A992/A36 Structural Column	62.51	14.92
		For Hot Dip Galvanizing, Add	*12.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.50*	
05 12 23 00-0180	LF	W8 x 67 A992/A36 Structural Column	107.39	16.87
		For Hot Dip Galvanizing, Add	*24.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.48*	
05 12 23 00-0181	LF	W8 x 58 A992/A36 Structural Column	96.41	16.34
		For Hot Dip Galvanizing, Add	*21.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.28*	
05 12 23 00-0182	LF	W8 x 48 A992/A36 Structural Column	86.30	15.90
		For Hot Dip Galvanizing, Add	*19.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.26*	
05 12 23 00-0183	LF	W8 x 40 A992/A36 Structural Column	74.08	15.45
		For Hot Dip Galvanizing, Add	*16.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.82*	
05 12 23 00-0184	LF	W8 x 35 A992/A36 Structural Column	66.94	15.09
		For Hot Dip Galvanizing, Add	*14.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.39*	
05 12 23 00-0185	LF	W8 x 31 A992/A36 Structural Column	61.17	14.92
		For Hot Dip Galvanizing, Add	*12.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.23*	
05 12 23 00-0186	LF	W8 x 28 A992/A36 Structural Column	57.59	14.74
		For Hot Dip Galvanizing, Add	*11.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.52*	
05 12 23 00-0187	LF	W8 x 24 A992/A36 Structural Column	53.29	14.56
		For Hot Dip Galvanizing, Add	*10.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.66*	
05 12 23 00-0188	LF	W8 x 21 A992/A36 Structural Column	50.45	14.48
		For Hot Dip Galvanizing, Add	*9.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.09*	
05 12 23 00-0189	LF	W8 x 18 A992/A36 Structural Column	45.05	14.21
		For Hot Dip Galvanizing, Add	*8.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.01*	
05 12 23 00-0190	LF	W6 x 25 A992/A36 Structural Column	55.96	14.56
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.19*	
05 12 23 00-0191	LF	W6 x 20 A992/A36 Structural Column	47.31	14.30
		For Hot Dip Galvanizing, Add	*8.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.46*	
05 12 23 00-0192	LF	W6 x 15 A992/A36 Structural Column	40.56	13.85
		For Hot Dip Galvanizing, Add	*7.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.11*	
05 12 23 00-0193	LF	W6 x 12 A992/A36 Structural Column	38.01	13.85
		For Hot Dip Galvanizing, Add	*6.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.60*	
05 12 23 00-0194	LF	W6 x 9 A992/A36 Structural Column	34.77	13.77
		For Hot Dip Galvanizing, Add	*5.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.95*	
05 12 23 00-0195	LF	W5 x 19 A992/A36 Structural Column	46.58	14.30
		For Hot Dip Galvanizing, Add	*8.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.32*	
05 12 23 00-0196	LF	W5 x 16 A992/A36 Structural Column	42.88	14.21
		For Hot Dip Galvanizing, Add	*7.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.58*	
05 12 23 00-0197	LF	W4 x 13 A992/A36 Structural Column	40.17	14.03
		For Hot Dip Galvanizing, Add	*7.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0198		A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0117)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0199	LF	W36 x 300 A992/A36 Structural Beam Or Girder	375.73	60.02
		For Hot Dip Galvanizing, Add	*86.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.82*	
		For High Strength Low Alloy A588 Steel, Add	*75.15*	
		For Each Additional Top Copes >2, Add	*3.12*	
		For Structural Tees, WT, MT Or ST, Deduct	*-121.90*	
		For Skewed Or Sloped Connections, Add	*45.09*	
05 12 23 00-0200	LF	W36 x 280 A992/A36 Structural Beam Or Girder	361.98	66.61
		For Hot Dip Galvanizing, Add	*80.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.58*	
		For High Strength Low Alloy A588 Steel, Add	*72.40*	
		For Each Additional Top Copes >2, Add	*2.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.04*	
		For Skewed Or Sloped Connections, Add	*43.44*	
05 12 23 00-0201	LF	W36 x 260 A992/A36 Structural Beam Or Girder	343.01	65.81
		For Hot Dip Galvanizing, Add	*75.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.87*	
		For High Strength Low Alloy A588 Steel, Add	*68.60*	
		For Each Additional Top Copes >2, Add	*2.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-109.53*	
		For Skewed Or Sloped Connections, Add	*41.16*	
05 12 23 00-0202	LF	W36 x 240 A992/A36 Structural Beam Or Girder	320.81	57.85
		For Hot Dip Galvanizing, Add	*71.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.87*	
		For High Strength Low Alloy A588 Steel, Add	*64.16*	
		For Each Additional Top Copes >2, Add	*2.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-103.03*	
		For Skewed Or Sloped Connections, Add	*38.50*	
05 12 23 00-0203	LF	W36 x 230 A992/A36 Structural Beam Or Girder	310.89	58.66
		For Hot Dip Galvanizing, Add	*68.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.98*	
		For High Strength Low Alloy A588 Steel, Add	*62.18*	
		For Each Additional Top Copes >2, Add	*2.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-99.43*	
		For Skewed Or Sloped Connections, Add	*37.31*	
05 12 23 00-0204	LF	W36 x 210 A992/A36 Structural Beam Or Girder	294.66	63.68
		For Hot Dip Galvanizing, Add	*62.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.52*	
		For High Strength Low Alloy A588 Steel, Add	*58.93*	
		For Each Additional Top Copes >2, Add	*2.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.94*	
		For Skewed Or Sloped Connections, Add	*35.36*	
05 12 23 00-0205	LF	W36 x 194 A992/A36 Structural Beam Or Girder	278.82	56.11
		For Hot Dip Galvanizing, Add	*60.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.09*	
		For High Strength Low Alloy A588 Steel, Add	*55.76*	
		For Each Additional Top Copes >2, Add	*2.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.61*	
		For Skewed Or Sloped Connections, Add	*33.46*	
05 12 23 00-0206	LF	W36 x 182 A992/A36 Structural Beam Or Girder	264.85	55.69
		For Hot Dip Galvanizing, Add	*57.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.84*	
		For High Strength Low Alloy A588 Steel, Add	*52.97*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.79*	
		For Skewed Or Sloped Connections, Add	*31.78*	
05 12 23 00-0207	LF	W36 x 170 A992/A36 Structural Beam Or Girder	250.61	55.06
		For Hot Dip Galvanizing, Add	*53.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.55*	
		For High Strength Low Alloy A588 Steel, Add	*50.12*	
		For Each Additional Top Copes >2, Add	*1.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.91*	
		For Skewed Or Sloped Connections, Add	*30.07*	
05 12 23 00-0208	LF	W36 x 160 A992/A36 Structural Beam Or Girder	246.32	61.63
		For Hot Dip Galvanizing, Add	*50.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.17*	
		For High Strength Low Alloy A588 Steel, Add	*49.26*	
		For Each Additional Top Copes >2, Add	*1.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.35*	
		For Skewed Or Sloped Connections, Add	*29.56*	
05 12 23 00-0209	LF	W36 x 150 A992/A36 Structural Beam Or Girder	236.42	61.19
		For Hot Dip Galvanizing, Add	*47.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.28*	
		For High Strength Low Alloy A588 Steel, Add	*47.28*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.96*	
		For Skewed Or Sloped Connections, Add	*28.37*	
05 12 23 00-0210	LF	W36 x 135 A992/A36 Structural Beam Or Girder	222.56	60.66
		For Hot Dip Galvanizing, Add	*43.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.03*	
		For High Strength Low Alloy A588 Steel, Add	*44.51*	
		For Each Additional Top Copes >2, Add	*1.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.20*	
		For Skewed Or Sloped Connections, Add	*26.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0211	LF	W33 x 241 A992/A36 Structural Beam Or Girder	325.00	59.66
		For Hot Dip Galvanizing, Add	*72.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.25*	
		For High Strength Low Alloy A588 Steel, Add	*65.00*	
		For Each Additional Top Copes >2, Add	*2.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-104.20*	
		For Skewed Or Sloped Connections, Add	*39.00*	
05 12 23 00-0212	LF	W33 x 221 A992/A36 Structural Beam Or Girder	301.76	58.20
		For Hot Dip Galvanizing, Add	*66.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.16*	
		For High Strength Low Alloy A588 Steel, Add	*60.35*	
		For Each Additional Top Copes >2, Add	*2.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-96.30*	
		For Skewed Or Sloped Connections, Add	*36.21*	
05 12 23 00-0213	LF	W33 x 201 A992/A36 Structural Beam Or Girder	285.48	63.23
		For Hot Dip Galvanizing, Add	*60.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.69*	
		For High Strength Low Alloy A588 Steel, Add	*57.10*	
		For Each Additional Top Copes >2, Add	*2.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.79*	
		For Skewed Or Sloped Connections, Add	*34.26*	
05 12 23 00-0214	LF	W33 x 170 A992/A36 Structural Beam Or Girder	256.97	62.08
		For Hot Dip Galvanizing, Add	*52.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.13*	
		For High Strength Low Alloy A588 Steel, Add	*51.39*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-80.01*	
		For Skewed Or Sloped Connections, Add	*30.84*	
05 12 23 00-0215	LF	W33 x 152 A992/A36 Structural Beam Or Girder	234.91	54.88
		For Hot Dip Galvanizing, Add	*48.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.14*	
		For High Strength Low Alloy A588 Steel, Add	*46.98*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.44*	
		For Skewed Or Sloped Connections, Add	*28.19*	
05 12 23 00-0216	LF	W33 x 141 A992/A36 Structural Beam Or Girder	228.53	60.84
		For Hot Dip Galvanizing, Add	*45.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.57*	
		For High Strength Low Alloy A588 Steel, Add	*45.71*	
		For Each Additional Top Copes >2, Add	*1.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.25*	
		For Skewed Or Sloped Connections, Add	*27.42*	
05 12 23 00-0217	LF	W33 x 130 A992/A36 Structural Beam Or Girder	217.32	60.40
		For Hot Dip Galvanizing, Add	*42.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.56*	
		For High Strength Low Alloy A588 Steel, Add	*43.46*	
		For Each Additional Top Copes >2, Add	*1.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.40*	
		For Skewed Or Sloped Connections, Add	*26.08*	
05 12 23 00-0218	LF	W33 x 118 A992/A36 Structural Beam Or Girder	204.29	59.87
		For Hot Dip Galvanizing, Add	*38.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.39*	
		For High Strength Low Alloy A588 Steel, Add	*40.86*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.92*	
		For Skewed Or Sloped Connections, Add	*24.51*	
05 12 23 00-0219	LF	W30 x 211 A992/A36 Structural Beam Or Girder	289.64	58.09
		For Hot Dip Galvanizing, Add	*63.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.07*	
		For High Strength Low Alloy A588 Steel, Add	*57.93*	
		For Each Additional Top Copes >2, Add	*2.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.08*	
		For Skewed Or Sloped Connections, Add	*34.76*	
05 12 23 00-0220	LF	W30 x 191 A992/A36 Structural Beam Or Girder	273.15	62.79
		For Hot Dip Galvanizing, Add	*57.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.58*	
		For High Strength Low Alloy A588 Steel, Add	*54.63*	
		For Each Additional Top Copes >2, Add	*2.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.54*	
		For Skewed Or Sloped Connections, Add	*32.78*	
05 12 23 00-0221	LF	W30 x 173 A992/A36 Structural Beam Or Girder	251.53	55.44
		For Hot Dip Galvanizing, Add	*53.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.64*	
		For High Strength Low Alloy A588 Steel, Add	*50.31*	
		For Each Additional Top Copes >2, Add	*1.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.16*	
		For Skewed Or Sloped Connections, Add	*30.18*	
05 12 23 00-0222	LF	W30 x 154 A992/A36 Structural Beam Or Girder	236.62	61.29
		For Hot Dip Galvanizing, Add	*47.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.30*	
		For High Strength Low Alloy A588 Steel, Add	*47.32*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.01*	
		For Skewed Or Sloped Connections, Add	*28.39*	
05 12 23 00-0223	LF	W30 x 132 A992/A36 Structural Beam Or Girder	212.29	53.49
		For Hot Dip Galvanizing, Add	*43.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.11*	
		For High Strength Low Alloy A588 Steel, Add	*42.46*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.74*	
		For Skewed Or Sloped Connections, Add	*25.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0224	LF	W30 x 124 A992/A36 Structural Beam Or Girder	202.85	53.46
		For Hot Dip Galvanizing, Add	*40.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.26*	
		For High Strength Low Alloy A588 Steel, Add	*40.57*	
		For Each Additional Top Copes >2, Add	*1.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.44*	
		For Skewed Or Sloped Connections, Add	*24.34*	
05 12 23 00-0225	LF	W30 x 116 A992/A36 Structural Beam Or Girder	200.18	59.77
		For Hot Dip Galvanizing, Add	*37.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.02*	
		For High Strength Low Alloy A588 Steel, Add	*40.04*	
		For Each Additional Top Copes >2, Add	*1.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.50*	
		For Skewed Or Sloped Connections, Add	*24.02*	
05 12 23 00-0226	LF	W30 x 108 A992/A36 Structural Beam Or Girder	185.06	53.82
		For Hot Dip Galvanizing, Add	*35.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.66*	
		For High Strength Low Alloy A588 Steel, Add	*37.01*	
		For Each Additional Top Copes >2, Add	*1.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.16*	
		For Skewed Or Sloped Connections, Add	*22.21*	
05 12 23 00-0227	LF	W30 x 99 A992/A36 Structural Beam Or Girder	177.06	53.55
		For Hot Dip Galvanizing, Add	*33.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.94*	
		For High Strength Low Alloy A588 Steel, Add	*35.41*	
		For Each Additional Top Copes >2, Add	*1.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.42*	
		For Skewed Or Sloped Connections, Add	*21.25*	
05 12 23 00-0228	LF	W27 x 178 A992/A36 Structural Beam Or Girder	279.99	64.91
		For Hot Dip Galvanizing, Add	*58.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.20*	
		For High Strength Low Alloy A588 Steel, Add	*56.00*	
		For Each Additional Top Copes >2, Add	*2.11*	
		For Structural Tees, WT, MT Or ST, Deduct	*-87.61*	
		For Skewed Or Sloped Connections, Add	*33.60*	
05 12 23 00-0229	LF	W27 x 161 A992/A36 Structural Beam Or Girder	257.25	62.46
		For Hot Dip Galvanizing, Add	*52.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.15*	
		For High Strength Low Alloy A588 Steel, Add	*51.45*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-80.04*	
		For Skewed Or Sloped Connections, Add	*30.87*	
05 12 23 00-0230	LF	W27 x 146 A992/A36 Structural Beam Or Girder	237.13	60.25
		For Hot Dip Galvanizing, Add	*47.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.34*	
		For High Strength Low Alloy A588 Steel, Add	*47.43*	
		For Each Additional Top Copes >2, Add	*1.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.36*	
		For Skewed Or Sloped Connections, Add	*28.46*	
05 12 23 00-0231	LF	W27 x 114 A992/A36 Structural Beam Or Girder	188.36	50.05
		For Hot Dip Galvanizing, Add	*37.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.95*	
		For High Strength Low Alloy A588 Steel, Add	*37.67*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.92*	
		For Skewed Or Sloped Connections, Add	*22.60*	
05 12 23 00-0232	LF	W27 x 102 A992/A36 Structural Beam Or Girder	177.88	53.55
		For Hot Dip Galvanizing, Add	*33.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.01*	
		For High Strength Low Alloy A588 Steel, Add	*35.58*	
		For Each Additional Top Copes >2, Add	*1.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.69*	
		For Skewed Or Sloped Connections, Add	*21.35*	
05 12 23 00-0233	LF	W27 x 94 A992/A36 Structural Beam Or Girder	170.35	53.20
		For Hot Dip Galvanizing, Add	*31.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.33*	
		For High Strength Low Alloy A588 Steel, Add	*34.07*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.11*	
		For Skewed Or Sloped Connections, Add	*20.44*	
05 12 23 00-0234	LF	W27 x 84 A992/A36 Structural Beam Or Girder	161.18	52.84
		For Hot Dip Galvanizing, Add	*29.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.51*	
		For High Strength Low Alloy A588 Steel, Add	*32.24*	
		For Each Additional Top Copes >2, Add	*1.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.97*	
		For Skewed Or Sloped Connections, Add	*19.34*	
05 12 23 00-0235	LF	W24 x 162 A992/A36 Structural Beam Or Girder	247.74	59.88
		For Hot Dip Galvanizing, Add	*51.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.30*	
		For High Strength Low Alloy A588 Steel, Add	*49.55*	
		For Each Additional Top Copes >2, Add	*1.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.13*	
		For Skewed Or Sloped Connections, Add	*29.73*	
05 12 23 00-0236	LF	W24 x 146 A992/A36 Structural Beam Or Girder	226.94	57.41
		For Hot Dip Galvanizing, Add	*45.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.42*	
		For High Strength Low Alloy A588 Steel, Add	*45.39*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.24*	
		For Skewed Or Sloped Connections, Add	*27.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237	LF	W24 x 131 A992/A36 Structural Beam Or Girder	207.13	54.81
		For Hot Dip Galvanizing, Add	*41.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.64*	
		For High Strength Low Alloy A588 Steel, Add	*41.43*	
		For Each Additional Top Copes >2, Add	*1.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.73*	
		For Skewed Or Sloped Connections, Add	*24.86*	
05 12 23 00-0238	LF	W24 x 117 A992/A36 Structural Beam Or Girder	188.33	52.07
		For Hot Dip Galvanizing, Add	*36.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.95*	
		For High Strength Low Alloy A588 Steel, Add	*37.67*	
		For Each Additional Top Copes >2, Add	*1.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.58*	
		For Skewed Or Sloped Connections, Add	*22.60*	
05 12 23 00-0239	LF	W24 x 104 A992/A36 Structural Beam Or Girder	170.56	49.24
		For Hot Dip Galvanizing, Add	*32.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.35*	
		For High Strength Low Alloy A588 Steel, Add	*34.11*	
		For Each Additional Top Copes >2, Add	*1.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.82*	
		For Skewed Or Sloped Connections, Add	*20.47*	
05 12 23 00-0240	LF	W24 x 94 A992/A36 Structural Beam Or Girder	163.44	53.20
		For Hot Dip Galvanizing, Add	*29.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.71*	
		For High Strength Low Alloy A588 Steel, Add	*32.69*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.69*	
		For Skewed Or Sloped Connections, Add	*19.61*	
05 12 23 00-0241	LF	W24 x 84 A992/A36 Structural Beam Or Girder	148.91	47.16
		For Hot Dip Galvanizing, Add	*27.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.40*	
		For High Strength Low Alloy A588 Steel, Add	*29.78*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.56*	
		For Skewed Or Sloped Connections, Add	*17.87*	
05 12 23 00-0242	LF	W24 x 76 A992/A36 Structural Beam Or Girder	141.88	46.81
		For Hot Dip Galvanizing, Add	*25.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.77*	
		For High Strength Low Alloy A588 Steel, Add	*28.38*	
		For Each Additional Top Copes >2, Add	*0.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.16*	
		For Skewed Or Sloped Connections, Add	*17.03*	
05 12 23 00-0243	LF	W24 x 68 A992/A36 Structural Beam Or Girder	133.03	46.54
		For Hot Dip Galvanizing, Add	*23.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.97*	
		For High Strength Low Alloy A588 Steel, Add	*26.61*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.11*	
		For Skewed Or Sloped Connections, Add	*15.96*	
05 12 23 00-0244	LF	W24 x 62 A992/A36 Structural Beam Or Girder	128.39	46.28
		For Hot Dip Galvanizing, Add	*21.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.56*	
		For High Strength Low Alloy A588 Steel, Add	*25.68*	
		For Each Additional Top Copes >2, Add	*0.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.53*	
		For Skewed Or Sloped Connections, Add	*15.41*	
05 12 23 00-0245	LF	W24 x 55 A992/A36 Structural Beam Or Girder	122.05	46.10
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.98*	
		For High Strength Low Alloy A588 Steel, Add	*24.41*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.35*	
		For Skewed Or Sloped Connections, Add	*14.65*	
05 12 23 00-0246	LF	W21 x 147 A992/A36 Structural Beam Or Girder	216.37	49.25
		For Hot Dip Galvanizing, Add	*45.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.47*	
		For High Strength Low Alloy A588 Steel, Add	*43.27*	
		For Each Additional Top Copes >2, Add	*1.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.85*	
		For Skewed Or Sloped Connections, Add	*25.96*	
05 12 23 00-0247	LF	W21 x 132 A992/A36 Structural Beam Or Girder	197.30	47.05
		For Hot Dip Galvanizing, Add	*40.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.76*	
		For High Strength Low Alloy A588 Steel, Add	*39.46*	
		For Each Additional Top Copes >2, Add	*1.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.53*	
		For Skewed Or Sloped Connections, Add	*23.68*	
05 12 23 00-0248	LF	W21 x 122 A992/A36 Structural Beam Or Girder	185.31	46.26
		For Hot Dip Galvanizing, Add	*37.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.68*	
		For High Strength Low Alloy A588 Steel, Add	*37.06*	
		For Each Additional Top Copes >2, Add	*1.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.46*	
		For Skewed Or Sloped Connections, Add	*22.24*	
05 12 23 00-0249	LF	W21 x 111 A992/A36 Structural Beam Or Girder	171.47	44.78
		For Hot Dip Galvanizing, Add	*34.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.43*	
		For High Strength Low Alloy A588 Steel, Add	*34.29*	
		For Each Additional Top Copes >2, Add	*1.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.85*	
		For Skewed Or Sloped Connections, Add	*20.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0250	LF	W21 x 101 A992/A36 Structural Beam Or Girder	158.80	43.35
		For Hot Dip Galvanizing, Add	*31.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.29*	
		For High Strength Low Alloy A588 Steel, Add	*31.76*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.65*	
		For Skewed Or Sloped Connections, Add	*19.06*	
05 12 23 00-0251	LF	W21 x 93 A992/A36 Structural Beam Or Girder	154.54	47.70
		For Hot Dip Galvanizing, Add	*28.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.91*	
		For High Strength Low Alloy A588 Steel, Add	*30.91*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.46*	
		For Skewed Or Sloped Connections, Add	*18.54*	
05 12 23 00-0252	LF	W21 x 83 A992/A36 Structural Beam Or Girder	146.24	47.16
		For Hot Dip Galvanizing, Add	*26.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.16*	
		For High Strength Low Alloy A588 Steel, Add	*29.25*	
		For Each Additional Top Copes >2, Add	*0.96*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.63*	
		For Skewed Or Sloped Connections, Add	*17.55*	
05 12 23 00-0253	LF	W21 x 73 A992/A36 Structural Beam Or Girder	136.08	46.81
		For Hot Dip Galvanizing, Add	*23.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.25*	
		For High Strength Low Alloy A588 Steel, Add	*27.22*	
		For Each Additional Top Copes >2, Add	*0.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.14*	
		For Skewed Or Sloped Connections, Add	*16.33*	
05 12 23 00-0254	LF	W21 x 68 A992/A36 Structural Beam Or Girder	130.97	46.54
		For Hot Dip Galvanizing, Add	*22.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.79*	
		For High Strength Low Alloy A588 Steel, Add	*26.19*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.39*	
		For Skewed Or Sloped Connections, Add	*15.72*	
05 12 23 00-0255	LF	W21 x 62 A992/A36 Structural Beam Or Girder	126.33	46.28
		For Hot Dip Galvanizing, Add	*21.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Steel, Add	*25.27*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.81*	
		For Skewed Or Sloped Connections, Add	*15.16*	
05 12 23 00-0256	LF	W21 x 57 A992/A36 Structural Beam Or Girder	122.14	46.18
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.99*	
		For High Strength Low Alloy A588 Steel, Add	*24.43*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.37*	
		For Skewed Or Sloped Connections, Add	*14.66*	
05 12 23 00-0257	LF	W21 x 50 A992/A36 Structural Beam Or Girder	108.23	40.06
		For Hot Dip Galvanizing, Add	*18.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.74*	
		For High Strength Low Alloy A588 Steel, Add	*21.65*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.46*	
		For Skewed Or Sloped Connections, Add	*12.99*	
05 12 23 00-0258	LF	W21 x 44 A992/A36 Structural Beam Or Girder	103.35	39.88
		For Hot Dip Galvanizing, Add	*16.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.30*	
		For High Strength Low Alloy A588 Steel, Add	*20.67*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.79*	
		For Skewed Or Sloped Connections, Add	*12.40*	
05 12 23 00-0259	LF	W18 x 119 A992/A36 Structural Beam Or Girder	180.36	46.10
		For Hot Dip Galvanizing, Add	*36.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.23*	
		For High Strength Low Alloy A588 Steel, Add	*36.07*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.75*	
		For Skewed Or Sloped Connections, Add	*21.64*	
05 12 23 00-0260	LF	W18 x 106 A992/A36 Structural Beam Or Girder	163.45	43.69
		For Hot Dip Galvanizing, Add	*32.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.71*	
		For High Strength Low Alloy A588 Steel, Add	*32.69*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.22*	
		For Skewed Or Sloped Connections, Add	*19.61*	
05 12 23 00-0261	LF	W18 x 97 A992/A36 Structural Beam Or Girder	157.91	47.70
		For Hot Dip Galvanizing, Add	*29.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.21*	
		For High Strength Low Alloy A588 Steel, Add	*31.58*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.62*	
		For Skewed Or Sloped Connections, Add	*18.95*	
05 12 23 00-0262	LF	W18 x 86 A992/A36 Structural Beam Or Girder	148.40	47.25
		For Hot Dip Galvanizing, Add	*27.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.36*	
		For High Strength Low Alloy A588 Steel, Add	*29.68*	
		For Each Additional Top Copes >2, Add	*0.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.37*	
		For Skewed Or Sloped Connections, Add	*17.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF	W18 x 76 A992/A36 Structural Beam Or Girder	139.82	46.81
		For Hot Dip Galvanizing, Add	*24.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.58*	
		For High Strength Low Alloy A588 Steel, Add	*27.96*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.44*	
		For Skewed Or Sloped Connections, Add	*16.78*	
05 12 23 00-0264	LF	W18 x 71 A992/A36 Structural Beam Or Girder	133.58	46.72
		For Hot Dip Galvanizing, Add	*23.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.02*	
		For High Strength Low Alloy A588 Steel, Add	*26.72*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.28*	
		For Skewed Or Sloped Connections, Add	*16.03*	
05 12 23 00-0265	LF	W18 x 65 A992/A36 Structural Beam Or Girder	127.48	46.54
		For Hot Dip Galvanizing, Add	*21.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.47*	
		For High Strength Low Alloy A588 Steel, Add	*25.50*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.18*	
		For Skewed Or Sloped Connections, Add	*15.30*	
05 12 23 00-0266	LF	W18 x 60 A992/A36 Structural Beam Or Girder	121.99	46.18
		For Hot Dip Galvanizing, Add	*20.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.98*	
		For High Strength Low Alloy A588 Steel, Add	*24.40*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.30*	
		For Skewed Or Sloped Connections, Add	*14.64*	
05 12 23 00-0267	LF	W18 x 55 A992/A36 Structural Beam Or Girder	116.47	46.10
		For Hot Dip Galvanizing, Add	*18.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.48*	
		For High Strength Low Alloy A588 Steel, Add	*23.29*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.40*	
		For Skewed Or Sloped Connections, Add	*13.98*	
05 12 23 00-0268	LF	W18 x 50 A992/A36 Structural Beam Or Girder	104.83	40.06
		For Hot Dip Galvanizing, Add	*17.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.43*	
		For High Strength Low Alloy A588 Steel, Add	*20.97*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.27*	
		For Skewed Or Sloped Connections, Add	*12.58*	
05 12 23 00-0269	LF	W18 x 46 A992/A36 Structural Beam Or Girder	100.53	39.96
		For Hot Dip Galvanizing, Add	*16.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.05*	
		For High Strength Low Alloy A588 Steel, Add	*20.11*	
		For Each Additional Top Copes >2, Add	*0.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.79*	
		For Skewed Or Sloped Connections, Add	*12.06*	
05 12 23 00-0270	LF	W18 x 40 A992/A36 Structural Beam Or Girder	87.88	34.11
		For Hot Dip Galvanizing, Add	*14.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.91*	
		For High Strength Low Alloy A588 Steel, Add	*17.58*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.30*	
		For Skewed Or Sloped Connections, Add	*10.55*	
05 12 23 00-0271	LF	W18 x 35 A992/A36 Structural Beam Or Girder	82.48	34.01
		For Hot Dip Galvanizing, Add	*12.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.42*	
		For High Strength Low Alloy A588 Steel, Add	*16.50*	
		For Each Additional Top Copes >2, Add	*0.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.43*	
		For Skewed Or Sloped Connections, Add	*9.90*	
05 12 23 00-0272	LF	W16 x 100 A992/A36 Structural Beam Or Girder	147.98	30.99
		For Hot Dip Galvanizing, Add	*31.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.32*	
		For High Strength Low Alloy A588 Steel, Add	*29.60*	
		For Each Additional Top Copes >2, Add	*1.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.84*	
		For Skewed Or Sloped Connections, Add	*17.76*	
05 12 23 00-0273	LF	W16 x 89 A992/A36 Structural Beam Or Girder	135.80	30.46
		For Hot Dip Galvanizing, Add	*28.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.22*	
		For High Strength Low Alloy A588 Steel, Add	*27.16*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.65*	
		For Skewed Or Sloped Connections, Add	*16.30*	
05 12 23 00-0274	LF	W16 x 77 A992/A36 Structural Beam Or Girder	122.73	30.11
		For Hot Dip Galvanizing, Add	*25.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.05*	
		For High Strength Low Alloy A588 Steel, Add	*24.55*	
		For Each Additional Top Copes >2, Add	*0.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.15*	
		For Skewed Or Sloped Connections, Add	*14.73*	
05 12 23 00-0275	LF	W16 x 67 A992/A36 Structural Beam Or Girder	111.60	29.67
		For Hot Dip Galvanizing, Add	*22.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.04*	
		For High Strength Low Alloy A588 Steel, Add	*22.32*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.32*	
		For Skewed Or Sloped Connections, Add	*13.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0276	LF	W16 x 57 A992/A36 Structural Beam Or Girder	100.60	29.22
		For Hot Dip Galvanizing, Add	*19.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.05*	
		For High Strength Low Alloy A588 Steel, Add	*20.12*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.53*	
		For Skewed Or Sloped Connections, Add	*12.07*	
05 12 23 00-0277	LF	W16 x 50 A992/A36 Structural Beam Or Girder	92.93	28.96
		For Hot Dip Galvanizing, Add	*17.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.36*	
		For High Strength Low Alloy A588 Steel, Add	*18.59*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.89*	
		For Skewed Or Sloped Connections, Add	*11.15*	
05 12 23 00-0278	LF	W16 x 45 A992/A36 Structural Beam Or Girder	87.53	28.78
		For Hot Dip Galvanizing, Add	*15.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.88*	
		For High Strength Low Alloy A588 Steel, Add	*17.51*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.03*	
		For Skewed Or Sloped Connections, Add	*10.50*	
05 12 23 00-0279	LF	W16 x 40 A992/A36 Structural Beam Or Girder	81.92	28.51
		For Hot Dip Galvanizing, Add	*14.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.37*	
		For High Strength Low Alloy A588 Steel, Add	*16.38*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.10*	
		For Skewed Or Sloped Connections, Add	*9.83*	
05 12 23 00-0280	LF	W16 x 36 A992/A36 Structural Beam Or Girder	77.54	28.33
		For Hot Dip Galvanizing, Add	*13.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.98*	
		For High Strength Low Alloy A588 Steel, Add	*15.51*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.61*	
		For Skewed Or Sloped Connections, Add	*9.30*	
05 12 23 00-0281	LF	W16 x 31 A992/A36 Structural Beam Or Girder	66.05	22.56
		For Hot Dip Galvanizing, Add	*11.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.94*	
		For High Strength Low Alloy A588 Steel, Add	*13.21*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.51*	
		For Skewed Or Sloped Connections, Add	*7.93*	
05 12 23 00-0282	LF	W16 x 26 A992/A36 Structural Beam Or Girder	59.01	22.30
		For Hot Dip Galvanizing, Add	*9.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.31*	
		For High Strength Low Alloy A588 Steel, Add	*11.80*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.08*	
		For Skewed Or Sloped Connections, Add	*7.08*	
05 12 23 00-0283	LF	W14 x 99 A992/A36 Structural Beam Or Girder	140.93	25.40
		For Hot Dip Galvanizing, Add	*31.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.68*	
		For High Strength Low Alloy A588 Steel, Add	*28.19*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.26*	
		For Skewed Or Sloped Connections, Add	*16.91*	
05 12 23 00-0284	LF	W14 x 90 A992/A36 Structural Beam Or Girder	131.02	24.95
		For Hot Dip Galvanizing, Add	*28.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.79*	
		For High Strength Low Alloy A588 Steel, Add	*26.20*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.86*	
		For Skewed Or Sloped Connections, Add	*15.72*	
05 12 23 00-0285	LF	W14 x 82 A992/A36 Structural Beam Or Girder	122.17	24.69
		For Hot Dip Galvanizing, Add	*26.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.00*	
		For High Strength Low Alloy A588 Steel, Add	*24.43*	
		For Each Additional Top Copes >2, Add	*0.96*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.82*	
		For Skewed Or Sloped Connections, Add	*14.66*	
05 12 23 00-0286	LF	W14 x 74 A992/A36 Structural Beam Or Girder	113.34	24.34
		For Hot Dip Galvanizing, Add	*24.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.20*	
		For High Strength Low Alloy A588 Steel, Add	*22.67*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.78*	
		For Skewed Or Sloped Connections, Add	*13.60*	
05 12 23 00-0287	LF	W14 x 68 A992/A36 Structural Beam Or Girder	106.74	24.07
		For Hot Dip Galvanizing, Add	*22.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.61*	
		For High Strength Low Alloy A588 Steel, Add	*21.35*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.51*	
		For Skewed Or Sloped Connections, Add	*12.81*	
05 12 23 00-0288	LF	W14 x 61 A992/A36 Structural Beam Or Girder	99.07	23.80
		For Hot Dip Galvanizing, Add	*20.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.92*	
		For High Strength Low Alloy A588 Steel, Add	*19.81*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.86*	
		For Skewed Or Sloped Connections, Add	*11.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF	W14 x 53 A992/A36 Structural Beam Or Girder	90.35	23.45
		For Hot Dip Galvanizing, Add	*18.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.13*	
		For High Strength Low Alloy A588 Steel, Add	*18.07*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.87*	
		For Skewed Or Sloped Connections, Add	*10.84*	
05 12 23 00-0290	LF	W14 x 48 A992/A36 Structural Beam Or Girder	84.73	23.19
		For Hot Dip Galvanizing, Add	*16.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.63*	
		For High Strength Low Alloy A588 Steel, Add	*16.95*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.94*	
		For Skewed Or Sloped Connections, Add	*10.17*	
05 12 23 00-0291	LF	W14 x 43 A992/A36 Structural Beam Or Girder	79.22	23.09
		For Hot Dip Galvanizing, Add	*15.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.13*	
		For High Strength Low Alloy A588 Steel, Add	*15.84*	
		For Each Additional Top Copes >2, Add	*0.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.04*	
		For Skewed Or Sloped Connections, Add	*9.51*	
05 12 23 00-0292	LF	W14 x 38 A992/A36 Structural Beam Or Girder	73.74	22.91
		For Hot Dip Galvanizing, Add	*13.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.64*	
		For High Strength Low Alloy A588 Steel, Add	*14.75*	
		For Each Additional Top Copes >2, Add	*0.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.16*	
		For Skewed Or Sloped Connections, Add	*8.85*	
05 12 23 00-0293	LF	W14 x 34 A992/A36 Structural Beam Or Girder	69.31	22.65
		For Hot Dip Galvanizing, Add	*12.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.24*	
		For High Strength Low Alloy A588 Steel, Add	*13.86*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.63*	
		For Skewed Or Sloped Connections, Add	*8.32*	
05 12 23 00-0294	LF	W14 x 30 A992/A36 Structural Beam Or Girder	64.88	22.56
		For Hot Dip Galvanizing, Add	*11.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.84*	
		For High Strength Low Alloy A588 Steel, Add	*12.98*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.11*	
		For Skewed Or Sloped Connections, Add	*7.79*	
05 12 23 00-0295	LF	W14 x 26 A992/A36 Structural Beam Or Girder	60.45	22.30
		For Hot Dip Galvanizing, Add	*10.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.44*	
		For High Strength Low Alloy A588 Steel, Add	*12.09*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.59*	
		For Skewed Or Sloped Connections, Add	*7.25*	
05 12 23 00-0296	LF	W14 x 22 A992/A36 Structural Beam Or Girder	56.15	22.20
		For Hot Dip Galvanizing, Add	*9.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.05*	
		For High Strength Low Alloy A588 Steel, Add	*11.23*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.11*	
		For Skewed Or Sloped Connections, Add	*6.74*	
05 12 23 00-0297	LF	W12 x 87 A992/A36 Structural Beam Or Girder	127.77	24.87
		For Hot Dip Galvanizing, Add	*28.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.50*	
		For High Strength Low Alloy A588 Steel, Add	*25.55*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.74*	
		For Skewed Or Sloped Connections, Add	*15.33*	
05 12 23 00-0298	LF	W12 x 79 A992/A36 Structural Beam Or Girder	118.93	24.51
		For Hot Dip Galvanizing, Add	*25.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.70*	
		For High Strength Low Alloy A588 Steel, Add	*23.79*	
		For Each Additional Top Copes >2, Add	*0.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.70*	
		For Skewed Or Sloped Connections, Add	*14.27*	
05 12 23 00-0299	LF	W12 x 72 A992/A36 Structural Beam Or Girder	111.16	24.25
		For Hot Dip Galvanizing, Add	*23.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.00*	
		For High Strength Low Alloy A588 Steel, Add	*22.23*	
		For Each Additional Top Copes >2, Add	*0.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.03*	
		For Skewed Or Sloped Connections, Add	*13.34*	
05 12 23 00-0300	LF	W12 x 65 A992/A36 Structural Beam Or Girder	103.50	23.98
		For Hot Dip Galvanizing, Add	*21.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.32*	
		For High Strength Low Alloy A588 Steel, Add	*20.70*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.39*	
		For Skewed Or Sloped Connections, Add	*12.42*	
05 12 23 00-0301	LF	W12 x 58 A992/A36 Structural Beam Or Girder	95.74	23.62
		For Hot Dip Galvanizing, Add	*19.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.62*	
		For High Strength Low Alloy A588 Steel, Add	*19.15*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.73*	
		For Skewed Or Sloped Connections, Add	*11.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0302	LF	W12 x 53 A992/A36 Structural Beam Or Girder	90.35	23.45
		For Hot Dip Galvanizing, Add	*18.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.13*	
		For High Strength Low Alloy A588 Steel, Add	*18.07*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.87*	
		For Skewed Or Sloped Connections, Add	*10.84*	
05 12 23 00-0303	LF	W12 x 50 A992/A36 Structural Beam Or Girder	86.89	23.36
		For Hot Dip Galvanizing, Add	*17.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.82*	
		For High Strength Low Alloy A588 Steel, Add	*17.38*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.68*	
		For Skewed Or Sloped Connections, Add	*10.43*	
05 12 23 00-0304	LF	W12 x 45 A992/A36 Structural Beam Or Girder	81.49	23.19
		For Hot Dip Galvanizing, Add	*15.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.33*	
		For High Strength Low Alloy A588 Steel, Add	*16.30*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.82*	
		For Skewed Or Sloped Connections, Add	*9.78*	
05 12 23 00-0305	LF	W12 x 40 A992/A36 Structural Beam Or Girder	69.85	17.23
		For Hot Dip Galvanizing, Add	*14.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.29*	
		For High Strength Low Alloy A588 Steel, Add	*13.97*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.69*	
		For Skewed Or Sloped Connections, Add	*8.38*	
05 12 23 00-0306	LF	W12 x 35 A992/A36 Structural Beam Or Girder	64.45	17.14
		For Hot Dip Galvanizing, Add	*12.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.80*	
		For High Strength Low Alloy A588 Steel, Add	*12.89*	
		For Each Additional Top Copes >2, Add	*0.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.83*	
		For Skewed Or Sloped Connections, Add	*7.73*	
05 12 23 00-0307	LF	W12 x 30 A992/A36 Structural Beam Or Girder	58.84	16.87
		For Hot Dip Galvanizing, Add	*11.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.30*	
		For High Strength Low Alloy A588 Steel, Add	*11.77*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.90*	
		For Skewed Or Sloped Connections, Add	*7.06*	
05 12 23 00-0308	LF	W12 x 26 A992/A36 Structural Beam Or Girder	54.41	16.69
		For Hot Dip Galvanizing, Add	*10.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.90*	
		For High Strength Low Alloy A588 Steel, Add	*10.88*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.38*	
		For Skewed Or Sloped Connections, Add	*6.53*	
05 12 23 00-0309	LF	W12 x 22 A992/A36 Structural Beam Or Girder	50.11	16.52
		For Hot Dip Galvanizing, Add	*9.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.51*	
		For High Strength Low Alloy A588 Steel, Add	*10.02*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.90*	
		For Skewed Or Sloped Connections, Add	*6.01*	
05 12 23 00-0310	LF	W12 x 19 A992/A36 Structural Beam Or Girder	46.75	16.43
		For Hot Dip Galvanizing, Add	*8.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.21*	
		For High Strength Low Alloy A588 Steel, Add	*9.35*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.74*	
		For Skewed Or Sloped Connections, Add	*5.61*	
05 12 23 00-0311	LF	W12 x 16 A992/A36 Structural Beam Or Girder	43.42	16.16
		For Hot Dip Galvanizing, Add	*7.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.91*	
		For High Strength Low Alloy A588 Steel, Add	*8.68*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.60*	
		For Skewed Or Sloped Connections, Add	*5.21*	
05 12 23 00-0312	LF	W12 x 14 A992/A36 Structural Beam Or Girder	41.26	16.16
		For Hot Dip Galvanizing, Add	*6.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.71*	
		For High Strength Low Alloy A588 Steel, Add	*8.25*	
		For Each Additional Top Copes >2, Add	*0.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.86*	
		For Skewed Or Sloped Connections, Add	*4.95*	
05 12 23 00-0313	LF	W10 x 68 A992/A36 Structural Beam Or Girder	101.03	18.56
		For Hot Dip Galvanizing, Add	*22.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.09*	
		For High Strength Low Alloy A588 Steel, Add	*20.21*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.40*	
		For Skewed Or Sloped Connections, Add	*12.12*	
05 12 23 00-0314	LF	W10 x 60 A992/A36 Structural Beam Or Girder	92.30	18.21
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.31*	
		For High Strength Low Alloy A588 Steel, Add	*18.46*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.40*	
		For Skewed Or Sloped Connections, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF	W10 x 54 A992/A36 Structural Beam Or Girder	85.61	17.85
		For Hot Dip Galvanizing, Add	*18.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.70*	
		For High Strength Low Alloy A588 Steel, Add	*17.12*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.10*	
		For Skewed Or Sloped Connections, Add	*10.27*	
05 12 23 00-0316	LF	W10 x 49 A992/A36 Structural Beam Or Girder	80.12	17.68
		For Hot Dip Galvanizing, Add	*17.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.21*	
		For High Strength Low Alloy A588 Steel, Add	*16.02*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.22*	
		For Skewed Or Sloped Connections, Add	*9.61*	
05 12 23 00-0317	LF	W10 x 45 A992/A36 Structural Beam Or Girder	75.70	17.58
		For Hot Dip Galvanizing, Add	*15.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.81*	
		For High Strength Low Alloy A588 Steel, Add	*15.14*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.70*	
		For Skewed Or Sloped Connections, Add	*9.08*	
05 12 23 00-0318	LF	W10 x 39 A992/A36 Structural Beam Or Girder	69.12	17.23
		For Hot Dip Galvanizing, Add	*14.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.22*	
		For High Strength Low Alloy A588 Steel, Add	*13.82*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.43*	
		For Skewed Or Sloped Connections, Add	*8.29*	
05 12 23 00-0319	LF	W10 x 33 A992/A36 Structural Beam Or Girder	62.54	16.97
		For Hot Dip Galvanizing, Add	*12.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.63*	
		For High Strength Low Alloy A588 Steel, Add	*12.51*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.17*	
		For Skewed Or Sloped Connections, Add	*7.50*	
05 12 23 00-0320	LF	W10 x 30 A992/A36 Structural Beam Or Girder	59.18	16.87
		For Hot Dip Galvanizing, Add	*11.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.33*	
		For High Strength Low Alloy A588 Steel, Add	*11.84*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.01*	
		For Skewed Or Sloped Connections, Add	*7.10*	
05 12 23 00-0321	LF	W10 x 26 A992/A36 Structural Beam Or Girder	54.87	16.79
		For Hot Dip Galvanizing, Add	*10.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.94*	
		For High Strength Low Alloy A588 Steel, Add	*10.97*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.53*	
		For Skewed Or Sloped Connections, Add	*6.58*	
05 12 23 00-0322	LF	W10 x 22 A992/A36 Structural Beam Or Girder	50.35	16.52
		For Hot Dip Galvanizing, Add	*9.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.53*	
		For High Strength Low Alloy A588 Steel, Add	*10.07*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.99*	
		For Skewed Or Sloped Connections, Add	*6.04*	
05 12 23 00-0323	LF	W10 x 19 A992/A36 Structural Beam Or Girder	47.11	16.43
		For Hot Dip Galvanizing, Add	*8.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.24*	
		For High Strength Low Alloy A588 Steel, Add	*9.42*	
		For Each Additional Top Copes >2, Add	*0.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.86*	
		For Skewed Or Sloped Connections, Add	*5.65*	
05 12 23 00-0324	LF	W10 x 17 A992/A36 Structural Beam Or Girder	44.83	16.34
		For Hot Dip Galvanizing, Add	*7.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.03*	
		For High Strength Low Alloy A588 Steel, Add	*8.97*	
		For Each Additional Top Copes >2, Add	*0.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.08*	
		For Skewed Or Sloped Connections, Add	*5.38*	
05 12 23 00-0325	LF	W10 x 15 A992/A36 Structural Beam Or Girder	42.69	16.16
		For Hot Dip Galvanizing, Add	*7.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.84*	
		For High Strength Low Alloy A588 Steel, Add	*8.54*	
		For Each Additional Top Copes >2, Add	*0.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.34*	
		For Skewed Or Sloped Connections, Add	*5.12*	
05 12 23 00-0326	LF	W10 x 12 A992/A36 Structural Beam Or Girder	39.44	16.16
		For Hot Dip Galvanizing, Add	*6.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.55*	
		For High Strength Low Alloy A588 Steel, Add	*7.89*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.22*	
		For Skewed Or Sloped Connections, Add	*4.73*	
05 12 23 00-0327	LF	W8 x 35 A992/A36 Structural Beam Or Girder	64.70	17.14
		For Hot Dip Galvanizing, Add	*12.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.82*	
		For High Strength Low Alloy A588 Steel, Add	*12.94*	
		For Each Additional Top Copes >2, Add	*0.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.91*	
		For Skewed Or Sloped Connections, Add	*7.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W8 x 31 A992/A36 Structural Beam Or Girder	60.27	16.87
		For Hot Dip Galvanizing, Add	*11.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.42*	
		For High Strength Low Alloy A588 Steel, Add	*12.05*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.39*	
		For Skewed Or Sloped Connections, Add	*7.23*	
05 12 23 00-0329	LF	W8 x 28 A992/A36 Structural Beam Or Girder	56.05	15.90
		For Hot Dip Galvanizing, Add	*10.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.04*	
		For High Strength Low Alloy A588 Steel, Add	*11.21*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.07*	
		For Skewed Or Sloped Connections, Add	*6.73*	
05 12 23 00-0330	LF	W8 x 24 A992/A36 Structural Beam Or Girder	51.11	14.92
		For Hot Dip Galvanizing, Add	*9.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.60*	
		For High Strength Low Alloy A588 Steel, Add	*10.22*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.50*	
		For Skewed Or Sloped Connections, Add	*6.13*	
05 12 23 00-0331	LF	W8 x 21 A992/A36 Structural Beam Or Girder	47.56	13.85
		For Hot Dip Galvanizing, Add	*9.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.28*	
		For High Strength Low Alloy A588 Steel, Add	*9.51*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.42*	
		For Skewed Or Sloped Connections, Add	*5.71*	
05 12 23 00-0332	LF	W8 x 18 A992/A36 Structural Beam Or Girder	41.64	12.88
		For Hot Dip Galvanizing, Add	*7.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.75*	
		For High Strength Low Alloy A588 Steel, Add	*8.33*	
		For Each Additional Top Copes >2, Add	*0.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.51*	
		For Skewed Or Sloped Connections, Add	*5.00*	
05 12 23 00-0333	LF	W8 x 10 A992/A36 Structural Beam Or Girder	24.65	9.24
		For Hot Dip Galvanizing, Add	*4.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.22*	
		For High Strength Low Alloy A588 Steel, Add	*4.93*	
		For Each Additional Top Copes >2, Add	*0.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-7.16*	
		For Skewed Or Sloped Connections, Add	*2.96*	
05 12 23 00-0334	LF	W6 x 9 A992/A36 Structural Beam Or Girder	22.69	7.55
		For Hot Dip Galvanizing, Add	*4.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.04*	
		For High Strength Low Alloy A588 Steel, Add	*4.54*	
		For Each Additional Top Copes >2, Add	*0.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.74*	
		For Skewed Or Sloped Connections, Add	*2.72*	

05 12 23 00-0335 A992/A36 Structural Steel, M Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

05 12 23 00-0336	LF	M14 x 18 A992/A36 Structural Steel	46.73	12.15
		For Hot Dip Galvanizing, Add	*9.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.35*	
05 12 23 00-0337	LF	M12 x 11.8 A992/A36 Structural Steel	33.60	10.75
		For Hot Dip Galvanizing, Add	*6.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.72*	
05 12 23 00-0338	LF	M10 x 9 A992/A36 Structural Steel	26.09	8.62
		For Hot Dip Galvanizing, Add	*4.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.22*	
05 12 23 00-0339	LF	M8 x 6.5 A992/A36 Structural Steel	18.84	6.22
		For Hot Dip Galvanizing, Add	*3.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.77*	
05 12 23 00-0340	LF	M6 x 20 A992/A36 Structural Steel	52.64	14.30
		For Hot Dip Galvanizing, Add	*10.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.53*	
05 12 23 00-0341	LF	M6 x 4.4 A992/A36 Structural Steel	12.75	4.21
		For Hot Dip Galvanizing, Add	*2.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*2.55*	
05 12 23 00-0342	LF	M5 x 18.9 A992/A36 Structural Steel	50.69	14.30
		For Hot Dip Galvanizing, Add	*9.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.14*	
05 12 23 00-0343	LF	M4 x 13 A992/A36 Structural Steel	41.62	14.03
		For Hot Dip Galvanizing, Add	*7.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.32*	

05 12 23 00-0344 A992/A36 Structural Steel, S Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0345	LF	S24 x 121 A992/A36 Structural Steel	280.75	61.52
		For Hot Dip Galvanizing, Add	*59.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*56.15*	
05 12 23 00-0346	LF	S24 x 106 A992/A36 Structural Steel	248.98	56.73
		For Hot Dip Galvanizing, Add	*52.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.80*	
05 12 23 00-0347	LF	S24 x 100 A992/A36 Structural Steel	237.88	56.34
		For Hot Dip Galvanizing, Add	*49.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.58*	
05 12 23 00-0348	LF	S24 x 90 A992/A36 Structural Steel	216.94	53.38
		For Hot Dip Galvanizing, Add	*44.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.39*	
05 12 23 00-0349	LF	S24 x 80 A992/A36 Structural Steel	195.49	49.94
		For Hot Dip Galvanizing, Add	*39.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.10*	
05 12 23 00-0350	LF	S20 x 96 A992/A36 Structural Steel	228.38	54.08
		For Hot Dip Galvanizing, Add	*47.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.68*	
05 12 23 00-0351	LF	S20 x 86 A992/A36 Structural Steel	207.30	51.00
		For Hot Dip Galvanizing, Add	*42.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.46*	
05 12 23 00-0352	LF	S20 x 75 A992/A36 Structural Steel	183.28	46.82
		For Hot Dip Galvanizing, Add	*37.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.66*	
05 12 23 00-0353	LF	S20 x 66 A992/A36 Structural Steel	163.60	43.37
		For Hot Dip Galvanizing, Add	*32.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.72*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.72*	
05 12 23 00-0354	LF	S18 x 70 A992/A36 Structural Steel	173.53	45.99
		For Hot Dip Galvanizing, Add	*34.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.71*	
05 12 23 00-0355	LF	S18 x 54.7 A992/A36 Structural Steel	137.60	37.84
		For Hot Dip Galvanizing, Add	*26.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.52*	
05 12 23 00-0356	LF	S15 x 50 A992/A36 Structural Steel	127.72	36.41
		For Hot Dip Galvanizing, Add	*24.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.54*	
05 12 23 00-0357	LF	S15 x 42.9 A992/A36 Structural Steel	111.34	32.88
		For Hot Dip Galvanizing, Add	*21.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.27*	
05 12 23 00-0358	LF	S12 x 50 A992/A36 Structural Steel	125.78	34.58
		For Hot Dip Galvanizing, Add	*24.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.16*	
05 12 23 00-0359	LF	S12 x 40.8 A992/A36 Structural Steel	104.22	29.71
		For Hot Dip Galvanizing, Add	*20.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.84*	
05 12 23 00-0360	LF	S12 x 35 A992/A36 Structural Steel	90.83	26.83
		For Hot Dip Galvanizing, Add	*17.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.17*	
05 12 23 00-0361	LF	S12 x 31.8 A992/A36 Structural Steel	83.90	25.65
		For Hot Dip Galvanizing, Add	*15.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.78*	
05 12 23 00-0362	LF	S10 x 35 A992/A36 Structural Steel	92.34	28.24
		For Hot Dip Galvanizing, Add	*17.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.47*	
05 12 23 00-0363	LF	S10 x 25.4 A992/A36 Structural Steel	68.17	21.57
		For Hot Dip Galvanizing, Add	*12.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.63*	
05 12 23 00-0364	LF	S8 x 23 A992/A36 Structural Steel	61.73	19.53
		For Hot Dip Galvanizing, Add	*11.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.35*	
05 12 23 00-0365	LF	S8 x 18.4 A992/A36 Structural Steel	50.25	16.45
		For Hot Dip Galvanizing, Add	*9.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.05*	
05 12 23 00-0366	LF	S7 x 20 A992/A36 Structural Steel	54.62	17.88
		For Hot Dip Galvanizing, Add	*9.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0367	LF	S7 x 15.3 A992/A36 Structural Steel	42.56	14.40
		For Hot Dip Galvanizing, Add	*7.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.51*	
05 12 23 00-0368	LF	S6 x 17.25 A992/A36 Structural Steel	46.66	15.00
		For Hot Dip Galvanizing, Add	*8.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.33*	
05 12 23 00-0369	LF	S6 x 12.5 A992/A36 Structural Steel	39.99	13.85
		For Hot Dip Galvanizing, Add	*6.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.00*	
05 12 23 00-0370	LF	S5 x 14.75 A992/A36 Structural Steel	42.59	14.12
		For Hot Dip Galvanizing, Add	*7.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.52*	
05 12 23 00-0371	LF	S5 x 10 A992/A36 Structural Steel	36.15	13.77
		For Hot Dip Galvanizing, Add	*5.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.23*	
05 12 23 00-0372	LF	S4 x 9.5 A992/A36 Structural Steel	35.15	13.77
		For Hot Dip Galvanizing, Add	*5.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.03*	
05 12 23 00-0373	LF	S4 x 7.7 A992/A36 Structural Steel	32.87	13.77
		For Hot Dip Galvanizing, Add	*5.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.57*	
05 12 23 00-0374	LF	S3 x 7.5 A992/A36 Structural Steel	32.65	13.77
		For Hot Dip Galvanizing, Add	*4.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.53*	
05 12 23 00-0375	LF	S3 x 5.7 A992/A36 Structural Steel	29.90	13.67
		For Hot Dip Galvanizing, Add	*4.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.98*	

05 12 23 00-0376 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0117)*

Note: Includes material delivery and erection.

05 12 23 00-0377	LF	HP14 x 117 A992/A36 Structural Steel	172.25	18.23
		For Hot Dip Galvanizing, Add	*42.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.45*	
05 12 23 00-0378	LF	HP14 x 102 A992/A36 Structural Steel	150.76	16.96
		For Hot Dip Galvanizing, Add	*36.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.15*	
05 12 23 00-0379	LF	HP14 x 89 A992/A36 Structural Steel	134.34	15.91
		For Hot Dip Galvanizing, Add	*32.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.87*	
05 12 23 00-0380	LF	HP14 x 73 A992/A36 Structural Steel	111.29	15.00
		For Hot Dip Galvanizing, Add	*26.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.26*	
05 12 23 00-0381	LF	HP13 x 100 A992/A36 Structural Steel	147.80	16.63
		For Hot Dip Galvanizing, Add	*36.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.56*	
05 12 23 00-0382	LF	HP13 x 87 A992/A36 Structural Steel	131.33	15.55
		For Hot Dip Galvanizing, Add	*31.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.27*	
05 12 23 00-0383	LF	HP13 x 73 A992/A36 Structural Steel	111.29	15.00
		For Hot Dip Galvanizing, Add	*26.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.26*	
05 12 23 00-0384	LF	HP13 x 60 A992/A36 Structural Steel	94.35	14.37
		For Hot Dip Galvanizing, Add	*21.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.87*	
05 12 23 00-0385	LF	HP12 x 84 A992/A36 Structural Steel	123.95	16.40
		For Hot Dip Galvanizing, Add	*29.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.79*	
05 12 23 00-0386	LF	HP12 x 74 A992/A36 Structural Steel	109.55	15.47
		For Hot Dip Galvanizing, Add	*25.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.91*	
05 12 23 00-0387	LF	HP12 x 63 A992/A36 Structural Steel	94.34	14.23
		For Hot Dip Galvanizing, Add	*21.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.87*	
05 12 23 00-0388	LF	HP12 x 53 A992/A36 Structural Steel	86.51	13.53
		For Hot Dip Galvanizing, Add	*20.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0389	LF	HP10 x 57 A992/A36 Structural Steel	91.12	13.88
		For Hot Dip Galvanizing, Add	*21.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.22*	
05 12 23 00-0390	LF	HP10 x 42 A992/A36 Structural Steel	75.16	13.01
		For Hot Dip Galvanizing, Add	*17.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.03*	
05 12 23 00-0391	LF	HP8 x 36 A992/A36 Structural Steel	65.38	12.27
		For Hot Dip Galvanizing, Add	*14.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.08*	

05 12 23 00-0392 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0393 Angle Iron - L *(05 12 23 00-0392)*

05 12 23 00-0394 1/8" Thick *(05 12 23 00-0393)*

05 12 23 00-0395	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.11	1.25
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.37*	
		For 304 Stainless Steel, Add	*1.28*	
		For Galvanized Steel, Add	*0.28*	
		For High Strength Steel (HSS), Add	*0.42*	
05 12 23 00-0396	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.45	1.41
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.42*	
		For 304 Stainless Steel, Add	*1.62*	
		For Galvanized Steel, Add	*0.35*	
		For High Strength Steel (HSS), Add	*0.49*	
05 12 23 00-0397	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	2.77	1.55
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.47*	
		For 304 Stainless Steel, Add	*2.00*	
		For Galvanized Steel, Add	*0.43*	
		For High Strength Steel (HSS), Add	*0.55*	
05 12 23 00-0398	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	3.12	1.73
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.52*	
		For 304 Stainless Steel, Add	*2.31*	
		For Galvanized Steel, Add	*0.50*	
		For High Strength Steel (HSS), Add	*0.62*	
05 12 23 00-0399	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	3.43	1.86
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000, Deduct	*-0.57*	
		For 304 Stainless Steel, Add	*2.68*	
		For Galvanized Steel, Add	*0.58*	
		For High Strength Steel (HSS), Add	*0.69*	
05 12 23 00-0400	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	4.12	2.20
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.68*	
		For 304 Stainless Steel, Add	*3.39*	
		For Galvanized Steel, Add	*0.74*	
		For High Strength Steel (HSS), Add	*0.82*	
05 12 23 00-0401	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.12	2.20
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.68*	
		For 304 Stainless Steel, Add	*3.39*	
		For Galvanized Steel, Add	*0.74*	
		For High Strength Steel (HSS), Add	*0.82*	
05 12 23 00-0402	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	4.94	2.63
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.81*	
		For 304 Stainless Steel, Add	*4.10*	
		For Galvanized Steel, Add	*0.89*	
		For High Strength Steel (HSS), Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0403	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	6.72	3.58
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*5.56*	
		For Galvanized Steel, Add	*1.21*	
		For High Strength Steel (HSS), Add	*1.34*	
05 12 23 00-0404		3/16" Thick *(05 12 23 00-0393)*		
05 12 23 00-0405	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	4.85	2.33
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.75*	
		For 304 Stainless Steel, Add	*4.99*	
		For Galvanized Steel, Add	*1.09*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0406	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	4.85	2.33
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.75*	
		For 304 Stainless Steel, Add	*4.99*	
		For Galvanized Steel, Add	*1.09*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0407	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	5.44	2.49
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.82*	
		For 304 Stainless Steel, Add	*6.04*	
		For Galvanized Steel, Add	*1.31*	
		For High Strength Steel (HSS), Add	*1.09*	
05 12 23 00-0408	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	6.44	2.67
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.93*	
		For 304 Stainless Steel, Add	*8.24*	
		For Galvanized Steel, Add	*1.79*	
		For High Strength Steel (HSS), Add	*1.29*	
05 12 23 00-0409	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	7.06	2.86
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-1.01*	
		For 304 Stainless Steel, Add	*9.26*	
		For Galvanized Steel, Add	*2.02*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0410	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.72	3.06
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.09*	
		For 304 Stainless Steel, Add	*10.37*	
		For Galvanized Steel, Add	*2.26*	
		For High Strength Steel (HSS), Add	*1.54*	
05 12 23 00-0411	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	7.71	3.06
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.09*	
		For 304 Stainless Steel, Add	*10.35*	
		For Galvanized Steel, Add	*2.25*	
		For High Strength Steel (HSS), Add	*1.54*	
05 12 23 00-0412	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	8.52	3.38
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*11.43*	
		For Galvanized Steel, Add	*2.49*	
		For High Strength Steel (HSS), Add	*1.70*	
05 12 23 00-0413	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	9.32	3.71
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.32*	
		For 304 Stainless Steel, Add	*12.51*	
		For Galvanized Steel, Add	*2.72*	
		For High Strength Steel (HSS), Add	*1.86*	
05 12 23 00-0414		1/4" Thick *(05 12 23 00-0393)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0415	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	5.51	2.46
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.82*	
		For 304 Stainless Steel, Add	*6.38*	
		For Galvanized Steel, Add	*1.39*	
		For High Strength Steel (HSS), Add	*1.10*	
05 12 23 00-0416	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	6.24	2.63
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.91*	
		For 304 Stainless Steel, Add	*7.81*	
		For Galvanized Steel, Add	*1.70*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0417	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	7.51	2.80
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.03*	
		For 304 Stainless Steel, Add	*10.74*	
		For Galvanized Steel, Add	*2.34*	
		For High Strength Steel (HSS), Add	*1.50*	
05 12 23 00-0418	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	8.42	3.10
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000, Deduct	*-1.15*	
		For 304 Stainless Steel, Add	*12.20*	
		For Galvanized Steel, Add	*2.65*	
		For High Strength Steel (HSS), Add	*1.68*	
05 12 23 00-0419	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.37	3.40
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*13.79*	
		For Galvanized Steel, Add	*3.00*	
		For High Strength Steel (HSS), Add	*1.87*	
05 12 23 00-0420	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	9.37	3.40
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*13.79*	
		For Galvanized Steel, Add	*3.00*	
		For High Strength Steel (HSS), Add	*1.87*	
05 12 23 00-0421	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	10.36	3.78
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.41*	
		For 304 Stainless Steel, Add	*15.16*	
		For Galvanized Steel, Add	*3.30*	
		For High Strength Steel (HSS), Add	*2.07*	
05 12 23 00-0422	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	11.31	4.15
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.54*	
		For 304 Stainless Steel, Add	*16.47*	
		For Galvanized Steel, Add	*3.58*	
		For High Strength Steel (HSS), Add	*2.26*	
05 12 23 00-0423	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	12.32	4.46
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*18.15*	
		For Galvanized Steel, Add	*3.95*	
		For High Strength Steel (HSS), Add	*2.46*	
05 12 23 00-0424	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.07	0.46
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
		For 304 Stainless Steel, Add	*19.55*	
		For Galvanized Steel, Add	*4.25*	
		For High Strength Steel (HSS), Add	*2.61*	
05 12 23 00-0425	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	13.07	4.66
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
		For 304 Stainless Steel, Add	*19.55*	
		For Galvanized Steel, Add	*4.25*	
		For High Strength Steel (HSS), Add	*2.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0426	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.80	4.85
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.85*	
		For 304 Stainless Steel, Add	*20.86*	
		For Galvanized Steel, Add	*4.54*	
		For High Strength Steel (HSS), Add	*2.76*	
05 12 23 00-0427	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	14.56	5.07
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.94*	
		For 304 Stainless Steel, Add	*22.26*	
		For Galvanized Steel, Add	*4.84*	
		For High Strength Steel (HSS), Add	*2.91*	
05 12 23 00-0428	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.56	5.07
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.94*	
		For 304 Stainless Steel, Add	*22.26*	
		For Galvanized Steel, Add	*4.84*	
		For High Strength Steel (HSS), Add	*2.91*	
05 12 23 00-0429	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	15.37	5.34
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.04*	
		For 304 Stainless Steel, Add	*23.54*	
		For Galvanized Steel, Add	*5.12*	
		For High Strength Steel (HSS), Add	*3.07*	

05 12 23 00-0430 5/16" Thick *(05 12 23 00-0393)*

05 12 23 00-0431	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	10.12	3.61
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*15.16*	
		For Galvanized Steel, Add	*3.30*	
		For High Strength Steel (HSS), Add	*2.02*	
05 12 23 00-0432	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	11.02	3.83
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.46*	
		For 304 Stainless Steel, Add	*16.87*	
		For Galvanized Steel, Add	*3.67*	
		For High Strength Steel (HSS), Add	*2.20*	
05 12 23 00-0433	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	11.02	3.83
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.46*	
		For 304 Stainless Steel, Add	*16.87*	
		For Galvanized Steel, Add	*3.67*	
		For High Strength Steel (HSS), Add	*2.20*	
05 12 23 00-0434	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	12.22	4.19
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.62*	
		For 304 Stainless Steel, Add	*18.90*	
		For Galvanized Steel, Add	*4.11*	
		For High Strength Steel (HSS), Add	*2.44*	
05 12 23 00-0435	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	13.29	4.55
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
		For 304 Stainless Steel, Add	*20.58*	
		For Galvanized Steel, Add	*4.48*	
		For High Strength Steel (HSS), Add	*2.66*	
05 12 23 00-0436	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	14.19	4.78
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000, Deduct	*-1.86*	
		For 304 Stainless Steel, Add	*22.26*	
		For Galvanized Steel, Add	*4.84*	
		For High Strength Steel (HSS), Add	*2.84*	
05 12 23 00-0437	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.20	5.03
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*24.23*	
		For Galvanized Steel, Add	*5.27*	
		For High Strength Steel (HSS), Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	15.20	5.03
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*24.23*	
		For Galvanized Steel, Add	*5.27*	
		For High Strength Steel (HSS), Add	*3.04*	
05 12 23 00-0439	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.17	5.32
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.10*	
		For 304 Stainless Steel, Add	*25.91*	
		For Galvanized Steel, Add	*5.64*	
		For High Strength Steel (HSS), Add	*3.23*	
05 12 23 00-0440	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	17.10	5.55
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.21*	
		For 304 Stainless Steel, Add	*27.65*	
		For Galvanized Steel, Add	*6.01*	
		For High Strength Steel (HSS), Add	*3.42*	
05 12 23 00-0441	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.10	5.55
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.21*	
		For 304 Stainless Steel, Add	*27.65*	
		For Galvanized Steel, Add	*6.01*	
		For High Strength Steel (HSS), Add	*3.42*	
05 12 23 00-0442	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	17.97	5.78
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.31*	
		For 304 Stainless Steel, Add	*29.27*	
		For Galvanized Steel, Add	*6.37*	
		For High Strength Steel (HSS), Add	*3.59*	
05 12 23 00-0443	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	20.23	6.02
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.52*	
		For 304 Stainless Steel, Add	*34.74*	
		For Galvanized Steel, Add	*7.56*	
		For High Strength Steel (HSS), Add	*4.05*	
05 12 23 00-0444	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.94	6.27
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-1.83*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*32.97*	
		For Galvanized Steel, Add	*7.17*	
		For High Strength Steel (HSS), Add	*3.99*	

05 12 23 00-0445 3/8" Thick *(05 12 23 00-0393)*

05 12 23 00-0446	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	12.30	4.00
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000, Deduct	*-1.59*	
		For 304 Stainless Steel, Add	*19.84*	
		For Galvanized Steel, Add	*4.32*	
		For High Strength Steel (HSS), Add	*2.46*	
05 12 23 00-0447	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	13.59	4.33
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.74*	
		For 304 Stainless Steel, Add	*22.26*	
		For Galvanized Steel, Add	*4.84*	
		For High Strength Steel (HSS), Add	*2.72*	
05 12 23 00-0448	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	14.72	4.67
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000, Deduct	*-1.88*	
		For 304 Stainless Steel, Add	*24.23*	
		For Galvanized Steel, Add	*5.27*	
		For High Strength Steel (HSS), Add	*2.94*	
05 12 23 00-0449	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	15.74	4.79
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*26.65*	
		For Galvanized Steel, Add	*5.80*	
		For High Strength Steel (HSS), Add	*3.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0450	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	16.78	5.06
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.10*	
		For 304 Stainless Steel, Add	*28.59*	
		For Galvanized Steel, Add	*6.22*	
		For High Strength Steel (HSS), Add	*3.36*	
05 12 23 00-0451	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	16.78	5.06
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.10*	
		For 304 Stainless Steel, Add	*28.59*	
		For Galvanized Steel, Add	*6.22*	
		For High Strength Steel (HSS), Add	*3.36*	
05 12 23 00-0452	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	18.09	5.51
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000, Deduct	*-2.28*	
		For 304 Stainless Steel, Add	*30.61*	
		For Galvanized Steel, Add	*6.66*	
		For High Strength Steel (HSS), Add	*3.62*	
05 12 23 00-0453	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	19.13	5.67
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.38*	
		For 304 Stainless Steel, Add	*32.97*	
		For Galvanized Steel, Add	*7.17*	
		For High Strength Steel (HSS), Add	*3.83*	
05 12 23 00-0454	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.44	5.90
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000, Deduct	*-2.44*	
		For 304 Stainless Steel, Add	*32.97*	
		For Galvanized Steel, Add	*7.17*	
		For High Strength Steel (HSS), Add	*3.89*	
05 12 23 00-0455	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	20.76	6.35
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.62*	
		For 304 Stainless Steel, Add	*35.00*	
		For Galvanized Steel, Add	*7.61*	
		For High Strength Steel (HSS), Add	*4.15*	
05 12 23 00-0456	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	24.44	7.40
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-3.07*	
		For 304 Stainless Steel, Add	*41.50*	
		For Galvanized Steel, Add	*9.03*	
		For High Strength Steel (HSS), Add	*4.89*	
05 12 23 00-0457	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	22.99	6.89
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*39.36*	
		For Galvanized Steel, Add	*8.56*	
		For High Strength Steel (HSS), Add	*4.60*	
05 12 23 00-0458	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	24.44	7.40
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-3.07*	
		For 304 Stainless Steel, Add	*41.50*	
		For Galvanized Steel, Add	*9.03*	
		For High Strength Steel (HSS), Add	*4.89*	
05 12 23 00-0459	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	29.47	8.89
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.69*	
		For 304 Stainless Steel, Add	*50.25*	
		For Galvanized Steel, Add	*10.93*	
		For High Strength Steel (HSS), Add	*5.89*	
05 12 23 00-0460	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	26.96	8.15
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000, Deduct	*-3.38*	
		For 304 Stainless Steel, Add	*45.86*	
		For Galvanized Steel, Add	*9.98*	
		For High Strength Steel (HSS), Add	*5.39*	

05 12 23 00-0461 1/2" Thick *(05 12 23 00-0393)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0462	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	17.47	4.77
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.10*	
		For 304 Stainless Steel, Add	*31.69*	
		For Galvanized Steel, Add	*6.89*	
		For High Strength Steel (HSS), Add	*3.49*	
05 12 23 00-0463	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	20.64	5.63
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000, Deduct	*-2.49*	
		For 304 Stainless Steel, Add	*37.42*	
		For Galvanized Steel, Add	*8.14*	
		For High Strength Steel (HSS), Add	*4.13*	
05 12 23 00-0464	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	22.13	6.03
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.67*	
		For 304 Stainless Steel, Add	*40.13*	
		For Galvanized Steel, Add	*8.73*	
		For High Strength Steel (HSS), Add	*4.43*	
05 12 23 00-0465	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	23.81	6.50
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*43.18*	
		For Galvanized Steel, Add	*9.39*	
		For High Strength Steel (HSS), Add	*4.76*	
05 12 23 00-0466	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	23.81	6.50
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*43.18*	
		For Galvanized Steel, Add	*9.39*	
		For High Strength Steel (HSS), Add	*4.76*	
05 12 23 00-0467	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	25.28	6.90
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.32*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.04*	
		For 304 Stainless Steel, Add	*45.86*	
		For Galvanized Steel, Add	*9.98*	
		For High Strength Steel (HSS), Add	*5.06*	
05 12 23 00-0468	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	30.13	8.22
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*54.63*	
		For Galvanized Steel, Add	*11.89*	
		For High Strength Steel (HSS), Add	*6.03*	
05 12 23 00-0469	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.13	8.22
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*54.63*	
		For Galvanized Steel, Add	*11.89*	
		For High Strength Steel (HSS), Add	*6.03*	
05 12 23 00-0470	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	36.45	9.94
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.39*	
		For 304 Stainless Steel, Add	*66.09*	
		For Galvanized Steel, Add	*14.38*	
		For High Strength Steel (HSS), Add	*7.29*	
05 12 23 00-0471	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	33.28	9.08
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-4.01*	
		For 304 Stainless Steel, Add	*60.33*	
		For Galvanized Steel, Add	*13.13*	
		For High Strength Steel (HSS), Add	*6.66*	
05 12 23 00-0472	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	36.45	9.94
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.39*	
		For 304 Stainless Steel, Add	*66.09*	
		For Galvanized Steel, Add	*14.38*	
		For High Strength Steel (HSS), Add	*7.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0473	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	42.78	11.67
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-2.24*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000, Deduct	*-5.15*	
		For 304 Stainless Steel, Add	*77.58*	
		For Galvanized Steel, Add	*16.88*	
		For High Strength Steel (HSS), Add	*8.56*	
05 12 23 00-0474	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	49.10	13.39
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-5.92*	
		For 304 Stainless Steel, Add	*89.01*	
		For Galvanized Steel, Add	*19.36*	
		For High Strength Steel (HSS), Add	*9.82*	

05 12 23 00-0475 5/8" Thick *(05 12 23 00-0393)*

05 12 23 00-0476	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	28.51	7.44
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-2.42*	
		For >1,000, Deduct	*-3.38*	
		For Galvanized Steel, Add	*11.52*	
		For High Strength Steel (HSS), Add	*5.70*	
05 12 23 00-0477	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	30.50	7.97
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.59*	
		For >1,000, Deduct	*-3.62*	
		For Galvanized Steel, Add	*12.33*	
		For High Strength Steel (HSS), Add	*6.10*	
05 12 23 00-0478	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	36.31	9.49
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-4.30*	
		For Galvanized Steel, Add	*14.67*	
		For High Strength Steel (HSS), Add	*7.26*	
05 12 23 00-0479	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	36.31	9.49
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-4.30*	
		For Galvanized Steel, Add	*14.67*	
		For High Strength Steel (HSS), Add	*7.26*	
05 12 23 00-0480	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	43.94	11.47
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-5.21*	
		For Galvanized Steel, Add	*17.76*	
		For High Strength Steel (HSS), Add	*8.79*	
05 12 23 00-0481	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	40.12	10.48
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-2.05*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.76*	
		For Galvanized Steel, Add	*16.21*	
		For High Strength Steel (HSS), Add	*8.02*	
05 12 23 00-0482	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	51.74	13.52
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.65*	
		For >500 To 1,000, Deduct	*-4.39*	
		For >1,000, Deduct	*-6.13*	
		For Galvanized Steel, Add	*20.91*	
		For High Strength Steel (HSS), Add	*10.35*	
05 12 23 00-0483	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	59.38	15.51
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-3.04*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000, Deduct	*-7.04*	
		For Galvanized Steel, Add	*23.99*	
		For High Strength Steel (HSS), Add	*11.88*	

05 12 23 00-0484 3/4" Thick *(05 12 23 00-0393)*

05 12 23 00-0485	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	32.87	8.23
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.84*	
		For Galvanized Steel, Add	*13.58*	
		For High Strength Steel (HSS), Add	*6.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0486	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	35.16	8.80
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.93*	
		For >1,000, Deduct	*-4.10*	
		For Galvanized Steel, Add	*14.53*	
		For High Strength Steel (HSS), Add	*7.03*	
05 12 23 00-0487	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	41.92	10.49
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000, Deduct	*-4.89*	
		For Galvanized Steel, Add	*17.32*	
		For High Strength Steel (HSS), Add	*8.38*	
05 12 23 00-0488	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	41.92	10.49
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000, Deduct	*-4.89*	
		For Galvanized Steel, Add	*17.32*	
		For High Strength Steel (HSS), Add	*8.38*	
05 12 23 00-0489	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	50.98	12.76
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-5.95*	
		For Galvanized Steel, Add	*21.06*	
		For High Strength Steel (HSS), Add	*10.20*	
05 12 23 00-0490	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	46.53	11.65
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.33*	
		For >500 To 1,000, Deduct	*-3.88*	
		For >1,000, Deduct	*-5.43*	
		For Galvanized Steel, Add	*19.22*	
		For High Strength Steel (HSS), Add	*9.31*	
05 12 23 00-0491	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	50.98	12.76
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-5.95*	
		For Galvanized Steel, Add	*21.06*	
		For High Strength Steel (HSS), Add	*10.20*	
05 12 23 00-0492	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	60.03	15.03
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-5.00*	
		For >1,000, Deduct	*-7.01*	
		For Galvanized Steel, Add	*24.80*	
		For High Strength Steel (HSS), Add	*12.01*	
05 12 23 00-0493	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	69.09	17.29
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-3.46*	
		For >500 To 1,000, Deduct	*-5.76*	
		For >1,000, Deduct	*-8.06*	
		For Galvanized Steel, Add	*28.54*	
		For High Strength Steel (HSS), Add	*13.82*	
05 12 23 00-0494		7/8" Thick *(05 12 23 00-0393)*		
05 12 23 00-0495	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	47.23	11.29
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.31*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000, Deduct	*-5.42*	
		For Galvanized Steel, Add	*19.95*	
		For High Strength Steel (HSS), Add	*9.45*	
05 12 23 00-0496	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	47.23	11.29
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.31*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000, Deduct	*-5.42*	
		For Galvanized Steel, Add	*19.95*	
		For High Strength Steel (HSS), Add	*9.45*	
05 12 23 00-0497	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	57.48	13.74
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.81*	
		For >500 To 1,000, Deduct	*-4.71*	
		For >1,000, Deduct	*-6.60*	
		For Galvanized Steel, Add	*24.29*	
		For High Strength Steel (HSS), Add	*11.50*	
05 12 23 00-0498	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	67.90	16.22
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-3.32*	
		For >500 To 1,000, Deduct	*-5.56*	
		For >1,000, Deduct	*-7.80*	
		For Galvanized Steel, Add	*28.69*	
		For High Strength Steel (HSS), Add	*13.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0499	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	78.14	18.67
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.40*	
		For >1,000, Deduct	*-8.97*	
		For Galvanized Steel, Add	*33.01*	
		For High Strength Steel (HSS), Add	*15.63*	

05 12 23 00-0500 Bar Channel *(05 12 23 00-0392)*

05 12 23 00-0501	LF	1" x 1/2" x 1/8" Thick Bar Channel	3.78	
		For 304 Stainless Steel, Add	*3.68*	
		For 316 Stainless Steel, Add	*4.13*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.80*	
		For High Strength Steel (HSS), Add	*0.76*	
05 12 23 00-0502	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	4.25	
		For 304 Stainless Steel, Add	*4.39*	
		For 316 Stainless Steel, Add	*4.93*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
		For High Strength Steel (HSS), Add	*0.85*	
05 12 23 00-0503	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.64	
		For 304 Stainless Steel, Add	*4.87*	
		For 316 Stainless Steel, Add	*5.47*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.06*	
		For High Strength Steel (HSS), Add	*0.93*	
05 12 23 00-0504	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	5.28	
		For 304 Stainless Steel, Add	*5.07*	
		For 316 Stainless Steel, Add	*5.70*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.10*	
		For High Strength Steel (HSS), Add	*1.06*	
05 12 23 00-0505	LF	2" x 1/2" x 1/8" Thick Bar Channel	5.68	
		For 304 Stainless Steel, Add	*6.21*	
		For 316 Stainless Steel, Add	*6.98*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.35*	
05 12 23 00-0506	LF	2" x 1" x 1/8" Thick Bar Channel	7.45	
		For 304 Stainless Steel, Add	*6.93*	
		For 316 Stainless Steel, Add	*7.78*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.51*	

05 12 23 00-0507 Channels - C *(05 12 23 00-0392)*

05 12 23 00-0508	LF	C2 x 1.78 - 2" Wide Channel	6.19	3.09
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000, Deduct	*-0.98*	
		For 304 Stainless Steel, Add	*5.90*	
		For 316 Stainless Steel, Add	*6.62*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.28*	
05 12 23 00-0509	LF	C3 x 4.1 - 3" Wide Channel	10.78	4.44
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.55*	
		For 304 Stainless Steel, Add	*13.82*	
		For 316 Stainless Steel, Add	*15.52*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*3.01*	
05 12 23 00-0510	LF	C3 x 5 - 3" Wide Channel	13.15	5.42
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.89*	
		For 304 Stainless Steel, Add	*16.87*	
		For 316 Stainless Steel, Add	*18.94*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.67*	
05 12 23 00-0511	LF	C3 x 6 - 3" Wide Channel	15.78	6.51
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.27*	
		For 304 Stainless Steel, Add	*20.24*	
		For 316 Stainless Steel, Add	*22.72*	
		For Aluminum, Add	*1.28*	
		For Galvanized Steel, Add	*4.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0512	LF	C4 x 5.4 - 4" Wide Channel	13.50	5.34
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.90*	
		For 304 Stainless Steel, Add	*18.21*	
		For 316 Stainless Steel, Add	*20.45*	
		For Aluminum, Add	*1.15*	
		For Galvanized Steel, Add	*3.96*	
05 12 23 00-0513	LF	C4 x 7.25 - 4" Wide Channel	18.13	7.16
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-2.55*	
		For 304 Stainless Steel, Add	*24.45*	
		For 316 Stainless Steel, Add	*27.46*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.32*	
05 12 23 00-0514	LF	C5 x 6.7 - 5" Wide Channel	16.23	6.22
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000, Deduct	*-2.25*	
		For 304 Stainless Steel, Add	*22.60*	
		For 316 Stainless Steel, Add	*25.38*	
		For Aluminum, Add	*1.43*	
		For Galvanized Steel, Add	*4.92*	
05 12 23 00-0515	LF	C5 x 9 - 5" Wide Channel	21.80	8.36
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*30.35*	
		For 316 Stainless Steel, Add	*34.08*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.60*	
05 12 23 00-0516	LF	C6 x 8.2 - 6" Wide Channel	19.66	7.47
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000, Deduct	*-2.72*	
		For 304 Stainless Steel, Add	*27.65*	
		For 316 Stainless Steel, Add	*31.04*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.01*	
05 12 23 00-0517	LF	C6 x 10.5 - 6" Wide Channel	25.17	9.57
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-3.48*	
		For 304 Stainless Steel, Add	*35.40*	
		For 316 Stainless Steel, Add	*39.74*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.70*	
05 12 23 00-0518	LF	C6 x 13 - 6" Wide Channel	31.17	11.84
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.31*	
		For 304 Stainless Steel, Add	*43.83*	
		For 316 Stainless Steel, Add	*49.22*	
		For Aluminum, Add	*2.77*	
		For Galvanized Steel, Add	*9.54*	
05 12 23 00-0519	LF	C7 x 9.8 - 7" Wide Channel	23.44	8.89
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.24*	
		For 304 Stainless Steel, Add	*33.03*	
		For 316 Stainless Steel, Add	*37.09*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.19*	
05 12 23 00-0520	LF	C7 x 12.25 - 7" Wide Channel	29.30	11.11
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.84*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-4.05*	
		For 304 Stainless Steel, Add	*41.30*	
		For 316 Stainless Steel, Add	*46.37*	
		For Aluminum, Add	*2.61*	
		For Galvanized Steel, Add	*8.98*	
05 12 23 00-0521	LF	C7 x 14.75 - 7" Wide Channel	35.30	13.38
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000, Deduct	*-4.88*	
		For 304 Stainless Steel, Add	*49.73*	
		For 316 Stainless Steel, Add	*55.84*	
		For Aluminum, Add	*3.14*	
		For Galvanized Steel, Add	*10.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0522	LF	C8 x 11.5 - 8" Wide Channel	26.65	9.78
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*38.79*	
		For 316 Stainless Steel, Add	*43.55*	
		For Aluminum, Add	*2.45*	
		For Galvanized Steel, Add	*8.44*	
05 12 23 00-0523	LF	C8 x 13.75 - 8" Wide Channel	31.86	11.69
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.97*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.34*	
		For 304 Stainless Steel, Add	*46.37*	
		For 316 Stainless Steel, Add	*52.06*	
		For Aluminum, Add	*2.93*	
		For Galvanized Steel, Add	*10.09*	
05 12 23 00-0524	LF	C8 x 18.75 - 8" Wide Channel	43.44	15.95
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.68*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.92*	
		For 304 Stainless Steel, Add	*63.21*	
		For 316 Stainless Steel, Add	*70.98*	
		For Aluminum, Add	*3.99*	
		For Galvanized Steel, Add	*13.75*	
05 12 23 00-0525	LF	C9 x 13.4 - 9" Wide Channel	31.05	11.40
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000, Deduct	*-4.23*	
		For 304 Stainless Steel, Add	*45.17*	
		For 316 Stainless Steel, Add	*50.72*	
		For Aluminum, Add	*2.85*	
		For Galvanized Steel, Add	*9.83*	
05 12 23 00-0526	LF	C9 x 15 - 9" Wide Channel	34.76	12.76
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.44*	
		For >1,000, Deduct	*-4.73*	
		For 304 Stainless Steel, Add	*50.59*	
		For 316 Stainless Steel, Add	*56.80*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0527	LF	C9 x 20 - 9" Wide Channel	46.34	17.01
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000, Deduct	*-6.31*	
		For 304 Stainless Steel, Add	*67.43*	
		For 316 Stainless Steel, Add	*75.71*	
		For Aluminum, Add	*4.26*	
		For Galvanized Steel, Add	*14.67*	
05 12 23 00-0528	LF	C10 x 15.3 - 10" Wide Channel	35.45	13.01
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.19*	
		For >500 To 1,000, Deduct	*-3.51*	
		For >1,000, Deduct	*-4.83*	
		For 304 Stainless Steel, Add	*51.59*	
		For 316 Stainless Steel, Add	*57.92*	
		For Aluminum, Add	*3.26*	
		For Galvanized Steel, Add	*11.22*	
05 12 23 00-0529	LF	C10 x 20 - 10" Wide Channel	46.34	17.01
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000, Deduct	*-6.31*	
		For 304 Stainless Steel, Add	*67.43*	
		For 316 Stainless Steel, Add	*75.71*	
		For Aluminum, Add	*4.26*	
		For Galvanized Steel, Add	*14.67*	
05 12 23 00-0530	LF	C10 x 25 - 10" Wide Channel	57.93	21.26
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000, Deduct	*-7.89*	
		For 304 Stainless Steel, Add	*84.30*	
		For 316 Stainless Steel, Add	*94.66*	
		For Aluminum, Add	*5.32*	
		For Galvanized Steel, Add	*18.34*	
05 12 23 00-0531	LF	C10 x 30 - 10" Wide Channel	69.51	25.51
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-6.88*	
		For >1,000, Deduct	*-9.47*	
		For 304 Stainless Steel, Add	*101.15*	
		For 316 Stainless Steel, Add	*113.57*	
		For Aluminum, Add	*6.39*	
		For Galvanized Steel, Add	*22.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0532	LF	C12 x 20.7 - 12" Wide Channel	47.97	17.60
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-6.53*	
		For 304 Stainless Steel, Add	*69.80*	
		For 316 Stainless Steel, Add	*78.37*	
		For Aluminum, Add	*4.41*	
		For Galvanized Steel, Add	*15.18*	
05 12 23 00-0533	LF	C12 x 25 - 12" Wide Channel	57.93	21.26
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000, Deduct	*-7.89*	
		For 304 Stainless Steel, Add	*84.30*	
		For 316 Stainless Steel, Add	*94.66*	
		For Aluminum, Add	*5.32*	
		For Galvanized Steel, Add	*18.34*	
05 12 23 00-0534	LF	C12 x 30 - 12" Wide Channel	69.51	25.51
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-6.88*	
		For >1,000, Deduct	*-9.47*	
		For 304 Stainless Steel, Add	*101.15*	
		For 316 Stainless Steel, Add	*113.57*	
		For Aluminum, Add	*6.39*	
		For Galvanized Steel, Add	*22.00*	
05 12 23 00-0535	LF	C15 x 33.9 - 15" Wide Channel	78.55	28.83
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.77*	
		For >1,000, Deduct	*-10.70*	
		For 304 Stainless Steel, Add	*114.31*	
		For 316 Stainless Steel, Add	*128.35*	
		For Aluminum, Add	*7.22*	
		For Galvanized Steel, Add	*24.87*	
05 12 23 00-0536	LF	C15 x 40 - 15" Wide Channel	92.68	34.02
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 500, Deduct	*-5.72*	
		For >500 To 1,000, Deduct	*-9.17*	
		For >1,000, Deduct	*-12.62*	
		For 304 Stainless Steel, Add	*134.86*	
		For 316 Stainless Steel, Add	*151.42*	
		For Aluminum, Add	*8.52*	
		For Galvanized Steel, Add	*29.34*	
05 12 23 00-0537	LF	C15 x 50 - 15" Wide Channel	115.85	42.52
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.15*	
		For >500 To 1,000, Deduct	*-11.46*	
		For >1,000, Deduct	*-15.78*	
		For 304 Stainless Steel, Add	*168.58*	
		For 316 Stainless Steel, Add	*189.28*	
		For Aluminum, Add	*10.65*	
		For Galvanized Steel, Add	*36.67*	

05 12 23 00-0538 Miscellaneous Channels - MC *(05 12 23 00-0392)*

05 12 23 00-0539	LF	MC6 x 12 - 6" Wide Channel	28.77	10.93
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.98*	
		For 304 Stainless Steel, Add	*40.47*	
		For 316 Stainless Steel, Add	*45.44*	
		For Aluminum, Add	*2.56*	
		For Galvanized Steel, Add	*8.80*	
05 12 23 00-0540	LF	MC6 x 15.1 - 6" Wide Channel	36.20	13.76
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-5.01*	
		For 304 Stainless Steel, Add	*50.90*	
		For 316 Stainless Steel, Add	*57.15*	
		For Aluminum, Add	*3.21*	
		For Galvanized Steel, Add	*11.07*	
05 12 23 00-0541	LF	MC6 x 15.3 - 6" Wide Channel	36.68	13.94
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.31*	
		For >500 To 1,000, Deduct	*-3.69*	
		For >1,000, Deduct	*-5.07*	
		For 304 Stainless Steel, Add	*51.59*	
		For 316 Stainless Steel, Add	*57.92*	
		For Aluminum, Add	*3.26*	
		For Galvanized Steel, Add	*11.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0542	LF	MC6 x 16.3 - 6" Wide Channel	39.08	14.84
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.46*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000, Deduct	*-5.41*	
		For 304 Stainless Steel, Add	*54.95*	
		For 316 Stainless Steel, Add	*61.70*	
		For Aluminum, Add	*3.47*	
		For Galvanized Steel, Add	*11.95*	
05 12 23 00-0543	LF	MC6 x 18 - 6" Wide Channel	43.16	16.40
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-4.34*	
		For >1,000, Deduct	*-5.97*	
		For 304 Stainless Steel, Add	*60.71*	
		For 316 Stainless Steel, Add	*68.16*	
		For Aluminum, Add	*3.83*	
		For Galvanized Steel, Add	*13.21*	
05 12 23 00-0544	LF	MC7 x 17.6 - 7" Wide Channel	42.11	15.97
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.65*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000, Deduct	*-5.82*	
		For 304 Stainless Steel, Add	*59.34*	
		For 316 Stainless Steel, Add	*66.62*	
		For Aluminum, Add	*3.75*	
		For Galvanized Steel, Add	*12.91*	
05 12 23 00-0545	LF	MC7 x 19.1 - 7" Wide Channel	45.71	17.33
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.88*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000, Deduct	*-6.32*	
		For 304 Stainless Steel, Add	*64.41*	
		For 316 Stainless Steel, Add	*72.32*	
		For Aluminum, Add	*4.07*	
		For Galvanized Steel, Add	*14.01*	
05 12 23 00-0546	LF	MC7 x 22.7 - 7" Wide Channel	54.32	20.59
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.42*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000, Deduct	*-7.51*	
		For 304 Stainless Steel, Add	*76.55*	
		For 316 Stainless Steel, Add	*85.95*	
		For Aluminum, Add	*4.83*	
		For Galvanized Steel, Add	*16.65*	
05 12 23 00-0547	LF	MC8 x 8.5 - 8" Wide Channel	19.70	7.23
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.68*	
		For 304 Stainless Steel, Add	*28.67*	
		For 316 Stainless Steel, Add	*32.19*	
		For Aluminum, Add	*1.81*	
		For Galvanized Steel, Add	*6.24*	
05 12 23 00-0548	LF	MC8 x 18.7 - 8" Wide Channel	43.33	15.90
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.67*	
		For >500 To 1,000, Deduct	*-4.29*	
		For >1,000, Deduct	*-5.90*	
		For 304 Stainless Steel, Add	*63.04*	
		For 316 Stainless Steel, Add	*70.78*	
		For Aluminum, Add	*3.98*	
		For Galvanized Steel, Add	*13.71*	
05 12 23 00-0549	LF	MC8 x 20 - 8" Wide Channel	46.34	17.01
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000, Deduct	*-6.31*	
		For 304 Stainless Steel, Add	*67.43*	
		For 316 Stainless Steel, Add	*75.71*	
		For Aluminum, Add	*4.26*	
		For Galvanized Steel, Add	*14.67*	
05 12 23 00-0550	LF	MC8 x 21.4 - 8" Wide Channel	49.59	18.20
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-3.06*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.75*	
		For 304 Stainless Steel, Add	*72.16*	
		For 316 Stainless Steel, Add	*81.02*	
		For Aluminum, Add	*4.56*	
		For Galvanized Steel, Add	*15.70*	
05 12 23 00-0551	LF	MC8 x 22.8 - 8" Wide Channel	52.82	19.40
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.26*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-7.19*	
		For 304 Stainless Steel, Add	*76.86*	
		For 316 Stainless Steel, Add	*86.30*	
		For Aluminum, Add	*4.85*	
		For Galvanized Steel, Add	*16.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF	MC9 x 23.9 - 9" Wide Channel	55.38	20.32
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.42*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.54*	
		For 304 Stainless Steel, Add	*80.60*	
		For 316 Stainless Steel, Add	*90.50*	
		For Aluminum, Add	*5.09*	
		For Galvanized Steel, Add	*17.53*	
05 12 23 00-0553	LF	MC9 x 25.4 - 9" Wide Channel	58.85	21.60
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-3.63*	
		For >500 To 1,000, Deduct	*-5.82*	
		For >1,000, Deduct	*-8.01*	
		For 304 Stainless Steel, Add	*85.64*	
		For 316 Stainless Steel, Add	*96.16*	
		For Aluminum, Add	*5.41*	
		For Galvanized Steel, Add	*18.63*	
05 12 23 00-0554	LF	MC10 x 6.5 - 10" Wide Channel	15.06	5.53
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.05*	
		For 304 Stainless Steel, Add	*21.92*	
		For 316 Stainless Steel, Add	*24.61*	
		For Aluminum, Add	*1.38*	
		For Galvanized Steel, Add	*4.77*	
05 12 23 00-0555	LF	MC10 x 8.4 - 10" Wide Channel	19.47	7.14
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.65*	
		For 304 Stainless Steel, Add	*28.33*	
		For 316 Stainless Steel, Add	*31.81*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
05 12 23 00-0556	LF	MC10 x 21.9 - 10" Wide Channel	50.74	18.63
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-3.13*	
		For >500 To 1,000, Deduct	*-5.02*	
		For >1,000, Deduct	*-6.91*	
		For 304 Stainless Steel, Add	*73.84*	
		For 316 Stainless Steel, Add	*82.91*	
		For Aluminum, Add	*4.66*	
		For Galvanized Steel, Add	*16.06*	
05 12 23 00-0557	LF	MC10 x 24.9 - 10" Wide Channel	57.70	21.18
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.56*	
		For >500 To 1,000, Deduct	*-5.71*	
		For >1,000, Deduct	*-7.86*	
		For 304 Stainless Steel, Add	*83.96*	
		For 316 Stainless Steel, Add	*94.27*	
		For Aluminum, Add	*5.30*	
		For Galvanized Steel, Add	*18.27*	
05 12 23 00-0558	LF	MC10 x 25.3 - 10" Wide Channel	58.62	21.52
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.62*	
		For >500 To 1,000, Deduct	*-5.80*	
		For >1,000, Deduct	*-7.98*	
		For 304 Stainless Steel, Add	*85.30*	
		For 316 Stainless Steel, Add	*95.78*	
		For Aluminum, Add	*5.39*	
		For Galvanized Steel, Add	*18.56*	
05 12 23 00-0559	LF	MC10 x 28.3 - 10" Wide Channel	65.58	24.07
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-4.05*	
		For >500 To 1,000, Deduct	*-6.49*	
		For >1,000, Deduct	*-8.93*	
		For 304 Stainless Steel, Add	*95.42*	
		For 316 Stainless Steel, Add	*107.14*	
		For Aluminum, Add	*6.03*	
		For Galvanized Steel, Add	*20.76*	
05 12 23 00-0560	LF	MC10 x 28.5 - 10" Wide Channel	66.04	24.24
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-4.08*	
		For >500 To 1,000, Deduct	*-6.53*	
		For >1,000, Deduct	*-8.99*	
		For 304 Stainless Steel, Add	*96.10*	
		For 316 Stainless Steel, Add	*107.90*	
		For Aluminum, Add	*6.07*	
		For Galvanized Steel, Add	*20.91*	
05 12 23 00-0561	LF	MC10 x 33.6 - 10" Wide Channel	77.85	28.58
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.80*	
		For >500 To 1,000, Deduct	*-7.70*	
		For >1,000, Deduct	*-10.60*	
		For 304 Stainless Steel, Add	*113.29*	
		For 316 Stainless Steel, Add	*127.20*	
		For Aluminum, Add	*7.16*	
		For Galvanized Steel, Add	*24.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562	LF	MC10 x 41.1 - 10" Wide Channel	95.23	34.96
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.88*	
		For >500 To 1,000, Deduct	*-9.42*	
		For >1,000, Deduct	*-12.97*	
		For 304 Stainless Steel, Add	*138.57*	
		For 316 Stainless Steel, Add	*155.58*	
		For Aluminum, Add	*8.75*	
		For Galvanized Steel, Add	*30.14*	
05 12 23 00-0563	LF	MC12 x 30.9 - 12" Wide Channel	71.61	26.27
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.42*	
		For >500 To 1,000, Deduct	*-7.09*	
		For >1,000, Deduct	*-9.75*	
		For 304 Stainless Steel, Add	*104.20*	
		For 316 Stainless Steel, Add	*116.99*	
		For Aluminum, Add	*6.58*	
		For Galvanized Steel, Add	*22.67*	
05 12 23 00-0564	LF	MC12 x 32.9 - 12" Wide Channel	76.23	27.98
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.70*	
		For >500 To 1,000, Deduct	*-7.54*	
		For >1,000, Deduct	*-10.38*	
		For 304 Stainless Steel, Add	*110.92*	
		For 316 Stainless Steel, Add	*124.54*	
		For Aluminum, Add	*7.01*	
		For Galvanized Steel, Add	*24.13*	
05 12 23 00-0565	LF	MC12 x 35 - 12" Wide Channel	81.10	29.76
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-5.00*	
		For >500 To 1,000, Deduct	*-8.02*	
		For >1,000, Deduct	*-11.04*	
		For 304 Stainless Steel, Add	*118.02*	
		For 316 Stainless Steel, Add	*132.51*	
		For Aluminum, Add	*7.45*	
		For Galvanized Steel, Add	*25.67*	
05 12 23 00-0566	LF	MC12 x 37 - 12" Wide Channel	85.73	31.47
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 500, Deduct	*-5.29*	
		For >500 To 1,000, Deduct	*-8.48*	
		For >1,000, Deduct	*-11.67*	
		For 304 Stainless Steel, Add	*124.74*	
		For 316 Stainless Steel, Add	*140.06*	
		For Aluminum, Add	*7.88*	
		For Galvanized Steel, Add	*27.14*	
05 12 23 00-0567	LF	MC12 x 40 - 12" Wide Channel	92.68	34.02
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 500, Deduct	*-5.72*	
		For >500 To 1,000, Deduct	*-9.17*	
		For >1,000, Deduct	*-12.62*	
		For 304 Stainless Steel, Add	*134.86*	
		For 316 Stainless Steel, Add	*151.42*	
		For Aluminum, Add	*8.52*	
		For Galvanized Steel, Add	*29.34*	
05 12 23 00-0568	LF	MC12 x 45 - 12" Wide Channel	104.27	38.28
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.43*	
		For >500 To 1,000, Deduct	*-10.32*	
		For >1,000, Deduct	*-14.20*	
		For 304 Stainless Steel, Add	*151.73*	
		For 316 Stainless Steel, Add	*170.37*	
		For Aluminum, Add	*9.58*	
		For Galvanized Steel, Add	*33.01*	
05 12 23 00-0569	LF	MC12 x 50 - 12" Wide Channel	115.85	42.53
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.15*	
		For >500 To 1,000, Deduct	*-11.46*	
		For >1,000, Deduct	*-15.78*	
		For 304 Stainless Steel, Add	*168.58*	
		For 316 Stainless Steel, Add	*189.28*	
		For Aluminum, Add	*10.65*	
		For Galvanized Steel, Add	*36.67*	
05 12 23 00-0570	LF	MC13 x 31.8 - 13" Wide Channel	73.68	27.04
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000, Deduct	*-10.03*	
		For 304 Stainless Steel, Add	*107.22*	
		For 316 Stainless Steel, Add	*120.38*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
05 12 23 00-0571	LF	MC13 x 35 - 13" Wide Channel	81.10	29.76
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-5.00*	
		For >500 To 1,000, Deduct	*-8.02*	
		For >1,000, Deduct	*-11.04*	
		For 304 Stainless Steel, Add	*118.02*	
		For 316 Stainless Steel, Add	*132.51*	
		For Aluminum, Add	*7.45*	
		For Galvanized Steel, Add	*25.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0572	LF	MC13 x 40 - 13" Wide Channel	92.68	34.02
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 500, Deduct	*-5.72*	
		For >500 To 1,000, Deduct	*-9.17*	
		For >1,000, Deduct	*-12.62*	
		For 304 Stainless Steel, Add	*134.86*	
		For 316 Stainless Steel, Add	*151.42*	
		For Aluminum, Add	*8.52*	
		For Galvanized Steel, Add	*29.34*	
05 12 23 00-0573	LF	MC13 x 50 - 13" Wide Channel	115.85	42.53
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.15*	
		For >500 To 1,000, Deduct	*-11.46*	
		For >1,000, Deduct	*-15.78*	
		For 304 Stainless Steel, Add	*168.58*	
		For 316 Stainless Steel, Add	*189.28*	
		For Aluminum, Add	*10.65*	
		For Galvanized Steel, Add	*36.67*	
05 12 23 00-0574	LF	MC18 x 42.7 - 18" Wide Channel	98.94	36.32
		For >100 To 250, Deduct	*-3.63*	
		For >250 To 500, Deduct	*-6.11*	
		For >500 To 1,000, Deduct	*-9.79*	
		For >1,000, Deduct	*-13.47*	
		For 304 Stainless Steel, Add	*143.98*	
		For 316 Stainless Steel, Add	*161.66*	
		For Aluminum, Add	*9.09*	
		For Galvanized Steel, Add	*31.32*	
05 12 23 00-0575	LF	MC18 x 45.8 - 18" Wide Channel	106.13	38.95
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-6.55*	
		For >500 To 1,000, Deduct	*-10.50*	
		For >1,000, Deduct	*-14.45*	
		For 304 Stainless Steel, Add	*154.44*	
		For 316 Stainless Steel, Add	*173.41*	
		For Aluminum, Add	*9.75*	
		For Galvanized Steel, Add	*33.60*	
05 12 23 00-0576	LF	MC18 x 51.9 - 18" Wide Channel	120.25	44.14
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.42*	
		For >500 To 1,000, Deduct	*-11.90*	
		For >1,000, Deduct	*-16.38*	
		For 304 Stainless Steel, Add	*174.99*	
		For 316 Stainless Steel, Add	*196.48*	
		For Aluminum, Add	*11.05*	
		For Galvanized Steel, Add	*38.07*	
05 12 23 00-0577	LF	MC18 x 58 - 18" Wide Channel	134.39	49.33
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 500, Deduct	*-8.29*	
		For >500 To 1,000, Deduct	*-13.30*	
		For >1,000, Deduct	*-18.30*	
		For 304 Stainless Steel, Add	*195.57*	
		For 316 Stainless Steel, Add	*219.58*	
		For Aluminum, Add	*12.35*	
		For Galvanized Steel, Add	*42.54*	

05 12 23 00-0578 Structural Bar Tees *(05 12 23 00-0392)*

05 12 23 00-0579	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	3.98	2.27
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.68*	
		For 304 Stainless Steel, Add	*2.74*	
		For 316 Stainless Steel, Add	*3.07*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.60*	
05 12 23 00-0580	LF	1" x 1" x 1/8" Structural Bar Tee	4.86	2.67
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.81*	
		For 304 Stainless Steel, Add	*3.73*	
		For 316 Stainless Steel, Add	*4.19*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.81*	
05 12 23 00-0581	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	7.86	3.08
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*10.69*	
		For 316 Stainless Steel, Add	*12.00*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0582	LF	2" x 2" x 1/4" Structural Bar Tee	10.97	4.03
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.50*	
		For 304 Stainless Steel, Add	*15.93*	
		For 316 Stainless Steel, Add	*17.89*	
		For Aluminum, Add	*1.01*	
		For Galvanized Steel, Add	*3.47*	
05 12 23 00-0583	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	16.52	4.86
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.05*	
		For 304 Stainless Steel, Add	*28.59*	
		For 316 Stainless Steel, Add	*32.10*	
		For Aluminum, Add	*1.81*	
		For Galvanized Steel, Add	*6.22*	
05 12 23 00-0584	LF	3" x 3" x 3/8" Structural Bar Tee	20.34	6.22
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.56*	
		For 304 Stainless Steel, Add	*34.31*	
		For 316 Stainless Steel, Add	*38.53*	
		For Aluminum, Add	*2.17*	
		For Galvanized Steel, Add	*7.46*	

05 12 23 00-0585 Structural Zees *(05 12 23 00-0392)*

05 12 23 00-0586	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	9.70	3.08
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.24*	
		For 304 Stainless Steel, Add	*15.93*	
		For 316 Stainless Steel, Add	*17.89*	
		For Aluminum, Add	*1.01*	
		For Galvanized Steel, Add	*3.47*	
05 12 23 00-0587	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	18.27	3.68
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*38.13*	
		For 316 Stainless Steel, Add	*42.82*	
		For Aluminum, Add	*2.41*	
		For Galvanized Steel, Add	*8.30*	
05 12 23 00-0588	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	21.91	4.15
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.33*	
		For 304 Stainless Steel, Add	*46.68*	
		For 316 Stainless Steel, Add	*52.42*	
		For Aluminum, Add	*2.95*	
		For Galvanized Steel, Add	*10.16*	
05 12 23 00-0589	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	29.49	4.74
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-3.00*	
		For 304 Stainless Steel, Add	*66.03*	
		For 316 Stainless Steel, Add	*74.14*	
		For Aluminum, Add	*4.17*	
		For Galvanized Steel, Add	*14.37*	
05 12 23 00-0590	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	38.24	5.16
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.73*	
		For 304 Stainless Steel, Add	*89.38*	
		For 316 Stainless Steel, Add	*100.35*	
		For Aluminum, Add	*5.64*	
		For Galvanized Steel, Add	*19.44*	

05 12 23 00-0591 Junior I-Beams *(05 12 23 00-0392)*

05 12 23 00-0592	LF	3" Junior I-Beam, 2.9 LB/LF	13.30	4.44
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.74*	
		For 304 Stainless Steel, Add	*21.00*	
		For 316 Stainless Steel, Add	*23.58*	
		For Aluminum, Add	*1.33*	
		For Galvanized Steel, Add	*4.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0593	LF	4" Junior I-Beam, 3.2 LB/LF	14.63	4.86
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.91*	
		For 304 Stainless Steel, Add	*23.20*	
		For 316 Stainless Steel, Add	*26.05*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.05*	
05 12 23 00-0594	LF	5" Junior I-Beam, 3.8 LB/LF	16.77	5.34
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.15*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
05 12 23 00-0595	LF	6" Junior I-Beam, 4.4 LB/LF	18.93	5.81
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.39*	
		For 304 Stainless Steel, Add	*31.89*	
		For 316 Stainless Steel, Add	*35.81*	
		For Aluminum, Add	*2.01*	
		For Galvanized Steel, Add	*6.94*	
05 12 23 00-0596	LF	7" Junior I-Beam, 5.5 LB/LF	22.28	6.22
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.71*	
		For 304 Stainless Steel, Add	*39.84*	
		For 316 Stainless Steel, Add	*44.74*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.67*	
05 12 23 00-0597	LF	8" Junior I-Beam, 6.5 LB/LF	25.37	6.64
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.01*	
		For 304 Stainless Steel, Add	*47.08*	
		For 316 Stainless Steel, Add	*52.86*	
		For Aluminum, Add	*2.97*	
		For Galvanized Steel, Add	*10.24*	
05 12 23 00-0598	LF	10" Junior I-Beam, 9 LB/LF	33.00	7.58
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.74*	
		For 304 Stainless Steel, Add	*65.21*	
		For 316 Stainless Steel, Add	*73.22*	
		For Aluminum, Add	*4.12*	
		For Galvanized Steel, Add	*14.19*	
05 12 23 00-0599	LF	12" Junior I-Beam, 11.8 LB/LF	42.01	9.01
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.95*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-4.65*	
		For 304 Stainless Steel, Add	*85.50*	
		For 316 Stainless Steel, Add	*96.00*	
		For Aluminum, Add	*5.40*	
		For Galvanized Steel, Add	*18.60*	

05 12 23 00-0600 Round Stock *(05 12 23 00-0392)*

05 12 23 00-0601	LF	1/4" Carbon Steel Rounds, ASTM A108	1.57	
		For 304 Stainless Steel, Add	*2.22*	
		For 316 Stainless Steel, Add	*2.50*	
		For Aluminum, Add	*0.14*	
		For Galvanized Steel, Add	*0.48*	
05 12 23 00-0602	LF	3/8" Carbon Steel Rounds, ASTM A108	2.44	
		For 304 Stainless Steel, Add	*4.39*	
		For 316 Stainless Steel, Add	*4.93*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0603	LF	1/2" Carbon Steel Rounds, ASTM A108	3.34	
		For 304 Stainless Steel, Add	*6.70*	
		For 316 Stainless Steel, Add	*7.52*	
		For Aluminum, Add	*0.42*	
		For Galvanized Steel, Add	*1.46*	
05 12 23 00-0604	LF	5/8" Carbon Steel Rounds, ASTM A108	5.02	
		For 304 Stainless Steel, Add	*11.17*	
		For 316 Stainless Steel, Add	*12.54*	
		For Aluminum, Add	*0.71*	
		For Galvanized Steel, Add	*2.43*	
05 12 23 00-0605	LF	3/4" Carbon Steel Rounds, ASTM A108	5.98	
		For 304 Stainless Steel, Add	*13.28*	
		For 316 Stainless Steel, Add	*14.91*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0606	LF	7/8" Carbon Steel Rounds, ASTM A108	6.96	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*17.41*	
		For Aluminum, Add	*0.98*	
		For Galvanized Steel, Add	*3.37*	
05 12 23 00-0607	LF	1" Carbon Steel Rounds, ASTM A108	10.08	
		For 304 Stainless Steel, Add	*23.63*	
		For 316 Stainless Steel, Add	*26.53*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.14*	
05 12 23 00-0608	LF	1-1/8" Carbon Steel Rounds, ASTM A108	12.28	
		For 304 Stainless Steel, Add	*28.73*	
		For 316 Stainless Steel, Add	*32.26*	
		For Aluminum, Add	*1.81*	
		For Galvanized Steel, Add	*6.25*	
05 12 23 00-0609	LF	1-1/4" Carbon Steel Rounds, ASTM A108	14.68	
		For 304 Stainless Steel, Add	*33.80*	
		For 316 Stainless Steel, Add	*37.95*	
		For Aluminum, Add	*2.13*	
		For Galvanized Steel, Add	*7.35*	
05 12 23 00-0610	LF	1-3/8" Carbon Steel Rounds, ASTM A108	17.76	
		For 304 Stainless Steel, Add	*41.24*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
		For Galvanized Steel, Add	*8.97*	
05 12 23 00-0611	LF	1-1/2" Carbon Steel Rounds, ASTM A108	19.82	
		For 304 Stainless Steel, Add	*45.23*	
		For 316 Stainless Steel, Add	*50.78*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.84*	
05 12 23 00-0612	LF	1-5/8" Carbon Steel Rounds, ASTM A108	22.92	
		For 304 Stainless Steel, Add	*51.27*	
		For 316 Stainless Steel, Add	*57.57*	
		For Aluminum, Add	*3.24*	
		For Galvanized Steel, Add	*11.15*	
05 12 23 00-0613	LF	1-3/4" Carbon Steel Rounds, ASTM A108	27.53	
		For 304 Stainless Steel, Add	*59.68*	
		For 316 Stainless Steel, Add	*67.01*	
		For Aluminum, Add	*3.77*	
		For Galvanized Steel, Add	*12.98*	
05 12 23 00-0614	LF	1-7/8" Carbon Steel Rounds, ASTM A108	33.21	
		For 304 Stainless Steel, Add	*69.88*	
		For 316 Stainless Steel, Add	*78.46*	
		For Aluminum, Add	*4.41*	
		For Galvanized Steel, Add	*15.20*	
05 12 23 00-0615	LF	2" Carbon Steel Rounds, ASTM A108	37.98	
		For 304 Stainless Steel, Add	*77.75*	
		For 316 Stainless Steel, Add	*87.30*	
		For Aluminum, Add	*4.91*	
		For Galvanized Steel, Add	*16.91*	
05 12 23 00-0616	LF	2-1/8" Carbon Steel Rounds, ASTM A108	44.45	
		For 304 Stainless Steel, Add	*88.78*	
		For 316 Stainless Steel, Add	*99.68*	
		For Aluminum, Add	*5.61*	
		For Galvanized Steel, Add	*19.31*	
05 12 23 00-0617	LF	2-1/4" Carbon Steel Rounds, ASTM A108	50.31	
		For 304 Stainless Steel, Add	*99.84*	
		For 316 Stainless Steel, Add	*112.10*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.72*	
05 12 23 00-0618	LF	2-3/8" Carbon Steel Rounds, ASTM A108	57.65	
		For 304 Stainless Steel, Add	*114.20*	
		For 316 Stainless Steel, Add	*128.22*	
		For Aluminum, Add	*7.21*	
		For Galvanized Steel, Add	*24.84*	
05 12 23 00-0619	LF	2-1/2" Carbon Steel Rounds, ASTM A108	63.83	
		For 304 Stainless Steel, Add	*123.06*	
		For 316 Stainless Steel, Add	*138.18*	
		For Aluminum, Add	*7.77*	
		For Galvanized Steel, Add	*26.77*	
05 12 23 00-0620	LF	2-5/8" Carbon Steel Rounds, ASTM A108	77.79	
		For 304 Stainless Steel, Add	*156.32*	
		For 316 Stainless Steel, Add	*175.52*	
		For Aluminum, Add	*9.87*	
		For Galvanized Steel, Add	*34.01*	
05 12 23 00-0621	LF	2-3/4" Carbon Steel Rounds, ASTM A108	88.55	
		For 304 Stainless Steel, Add	*178.27*	
		For 316 Stainless Steel, Add	*200.16*	
		For Aluminum, Add	*11.26*	
		For Galvanized Steel, Add	*38.78*	
05 12 23 00-0622	LF	2-7/8 Carbon Steel Rounds, ASTM A108	98.76	
		For 304 Stainless Steel, Add	*198.65*	
		For 316 Stainless Steel, Add	*223.04*	
		For Aluminum, Add	*12.55*	
		For Galvanized Steel, Add	*43.21*	
05 12 23 00-0623	LF	3" Carbon Steel Rounds, ASTM A108	103.90	
		For 304 Stainless Steel, Add	*204.60*	
		For 316 Stainless Steel, Add	*229.73*	
		For Aluminum, Add	*12.92*	
		For Galvanized Steel, Add	*44.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0624	LF	3-1/8" Carbon Steel Rounds, ASTM A108	108.55	
		For 304 Stainless Steel, Add	*209.13*	
		For 316 Stainless Steel, Add	*234.82*	
		For Aluminum, Add	*13.21*	
		For Galvanized Steel, Add	*45.50*	
05 12 23 00-0625	LF	3-1/4" Carbon Steel Rounds, ASTM A108	114.61	
		For 304 Stainless Steel, Add	*217.68*	
		For 316 Stainless Steel, Add	*244.42*	
		For Aluminum, Add	*13.75*	
		For Galvanized Steel, Add	*47.36*	
05 12 23 00-0626	LF	3-1/2" Carbon Steel Rounds, ASTM A108	138.96	
		For 304 Stainless Steel, Add	*276.19*	
		For 316 Stainless Steel, Add	*310.11*	
		For Aluminum, Add	*17.44*	
		For Galvanized Steel, Add	*60.08*	
05 12 23 00-0627	LF	3-5/8" Carbon Steel Rounds, ASTM A108	154.28	
		For 304 Stainless Steel, Add	*308.97*	
		For 316 Stainless Steel, Add	*346.91*	
		For Aluminum, Add	*19.51*	
		For Galvanized Steel, Add	*67.21*	
05 12 23 00-0628	LF	3-3/4" Carbon Steel Rounds, ASTM A108	165.67	
		For 304 Stainless Steel, Add	*330.51*	
		For 316 Stainless Steel, Add	*371.10*	
		For Aluminum, Add	*20.87*	
		For Galvanized Steel, Add	*71.90*	
05 12 23 00-0629	LF	4" Carbon Steel Rounds, ASTM A108	185.55	
		For 304 Stainless Steel, Add	*376.29*	
		For 316 Stainless Steel, Add	*422.50*	
		For Aluminum, Add	*23.77*	
		For Galvanized Steel, Add	*81.86*	

05 12 23 00-0630 Square Stock *(05 12 23 00-0392)*

05 12 23 00-0631	LF	3/8" Square Bar Stock	1.46	
		For 304 Stainless Steel, Add	*1.60*	
		For 316 Stainless Steel, Add	*1.79*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.35*	
05 12 23 00-0632	LF	1/2" Square Bar Stock	1.99	
		For 304 Stainless Steel, Add	*2.85*	
		For 316 Stainless Steel, Add	*3.20*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.62*	
05 12 23 00-0633	LF	5/8" Square Bar Stock	2.66	
		For 304 Stainless Steel, Add	*4.45*	
		For 316 Stainless Steel, Add	*4.99*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.97*	
05 12 23 00-0634	LF	3/4" Square Bar Stock	3.57	
		For 304 Stainless Steel, Add	*6.41*	
		For 316 Stainless Steel, Add	*7.20*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.40*	
05 12 23 00-0635	LF	7/8" Square Bar Stock	4.66	
		For 304 Stainless Steel, Add	*8.95*	
		For 316 Stainless Steel, Add	*10.05*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
05 12 23 00-0636	LF	1" Square Bar Stock	5.80	
		For 304 Stainless Steel, Add	*11.43*	
		For 316 Stainless Steel, Add	*12.83*	
		For Aluminum, Add	*0.72*	
		For Galvanized Steel, Add	*2.49*	
05 12 23 00-0637	LF	1-1/4" Square Bar Stock	9.08	
		For 304 Stainless Steel, Add	*17.84*	
		For 316 Stainless Steel, Add	*20.03*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.88*	
05 12 23 00-0638	LF	1-1/2" Square Bar Stock	12.97	
		For 304 Stainless Steel, Add	*25.71*	
		For 316 Stainless Steel, Add	*28.86*	
		For Aluminum, Add	*1.62*	
		For Galvanized Steel, Add	*5.59*	
05 12 23 00-0639	LF	1-3/4" Square Bar Stock	19.14	
		For 304 Stainless Steel, Add	*35.77*	
		For 316 Stainless Steel, Add	*40.16*	
		For Aluminum, Add	*2.26*	
		For Galvanized Steel, Add	*7.78*	
05 12 23 00-0640	LF	2" Square Bar Stock	27.12	
		For 304 Stainless Steel, Add	*45.74*	
		For 316 Stainless Steel, Add	*51.36*	
		For Aluminum, Add	*2.89*	
		For Galvanized Steel, Add	*9.95*	

05 12 23 00-0641 Steel Tubing *(05 12 23 00-0392)*

Note: General purpose low-carbon steel.

05 12 23 00-0642 Square Steel Tubing *(05 12 23 00-0641)*

05 12 23 00-0643 0.06" Wall Thickness *(05 12 23 00-0642)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0644	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.03	0.42
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000, Deduct	*-0.22*	
		For Galvanized Steel, Add	*0.91*	
05 12 23 00-0645	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	3.15	0.66
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.35*	
		For Galvanized Steel, Add	*1.40*	
05 12 23 00-0646	LF	1" x 1" x 0.06" Square Steel Tubing	4.22	1.22
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.47*	
		For Galvanized Steel, Add	*1.86*	
05 12 23 00-0647	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	5.59	1.15
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.61*	
		For Galvanized Steel, Add	*2.51*	
05 12 23 00-0648	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	6.61	1.39
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.73*	
		For Galvanized Steel, Add	*2.95*	

05 12 23 00-0649 0.083" Wall Thickness *(05 12 23 00-0642)*

05 12 23 00-0650	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	3.66	0.79
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.41*	
		For Galvanized Steel, Add	*1.62*	
05 12 23 00-0651	LF	1" x 1" x 0.083" Square Steel Tubing	5.33	1.08
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000, Deduct	*-0.58*	
		For Galvanized Steel, Add	*2.42*	
05 12 23 00-0652	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	6.42	1.37
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.71*	
		For Galvanized Steel, Add	*2.85*	
05 12 23 00-0653	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	7.77	1.66
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.86*	
		For Galvanized Steel, Add	*3.44*	
05 12 23 00-0654	LF	2" x 2" x 0.083" Square Steel Tubing	9.94	2.22
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.11*	
		For Galvanized Steel, Add	*4.33*	

05 12 23 00-0655 0.12" Wall Thickness *(05 12 23 00-0642)*

05 12 23 00-0656	LF	1" x 1" x 0.12" Square Steel Tubing	5.85	1.28
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.65*	
		For Galvanized Steel, Add	*2.57*	
05 12 23 00-0657	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	7.55	1.64
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.84*	
		For Galvanized Steel, Add	*3.32*	
05 12 23 00-0658	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	9.27	2.00
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-1.03*	
		For Galvanized Steel, Add	*4.09*	
05 12 23 00-0659	LF	2" x 2" x 0.12" Square Steel Tubing	12.55	2.73
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.40*	
		For Galvanized Steel, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0660		**1/8" Wall Thickness** *(05 12 23 00-0642)*		
05 12 23 00-0661	LF	2" x 2" x 1/8" Square Steel Tubing	11.21	2.84
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.31*	
		For Galvanized Steel, Add	*4.60*	
05 12 23 00-0662	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	14.81	3.60
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.71*	
		For Galvanized Steel, Add	*6.21*	
05 12 23 00-0663	LF	3" x 3" x 1/8" Square Steel Tubing	17.33	4.35
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-2.02*	
		For Galvanized Steel, Add	*7.15*	
05 12 23 00-0664	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	20.06	5.11
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.36*	
		For Galvanized Steel, Add	*8.22*	
05 12 23 00-0665	LF	4" x 4" x 1/8" Square Steel Tubing	22.05	5.86
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.63*	
		For Galvanized Steel, Add	*8.82*	
05 12 23 00-0666		**3/16" Wall Thickness** *(05 12 23 00-0642)*		
05 12 23 00-0667	LF	2" x 2" x 3/16" Square Steel Tubing	12.71	3.20
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.49*	
		For Galvanized Steel, Add	*5.23*	
05 12 23 00-0668	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	16.45	4.14
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000, Deduct	*-1.92*	
		For Galvanized Steel, Add	*6.78*	
05 12 23 00-0669	LF	3" x 3" x 3/16" Square Steel Tubing	20.22	5.09
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.37*	
		For Galvanized Steel, Add	*8.33*	
05 12 23 00-0670	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	23.98	6.04
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.80*	
		For Galvanized Steel, Add	*9.88*	
05 12 23 00-0671	LF	4" x 4" x 3/16" Square Steel Tubing	27.72	6.98
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.24*	
		For Galvanized Steel, Add	*11.41*	
05 12 23 00-0672	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	31.49	7.93
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.68*	
		For Galvanized Steel, Add	*12.97*	
05 12 23 00-0673	LF	5" x 5" x 3/16" Square Steel Tubing	35.22	8.87
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000, Deduct	*-4.12*	
		For Galvanized Steel, Add	*14.51*	
05 12 23 00-0674	LF	6" x 6" x 3/16" Square Steel Tubing	42.75	10.77
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-5.00*	
		For Galvanized Steel, Add	*17.61*	
05 12 23 00-0675		**1/4" Wall Thickness** *(05 12 23 00-0642)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0676	LF	2" x 2" x 1/4" Square Steel Tubing	13.61	3.20
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.56*	
		For Galvanized Steel, Add	*5.78*	
05 12 23 00-0677	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	17.89	4.21
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.04*	
		For Galvanized Steel, Add	*7.61*	
05 12 23 00-0678	LF	3" x 3" x 1/4" Square Steel Tubing	22.16	5.23
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.53*	
		For Galvanized Steel, Add	*9.42*	
05 12 23 00-0679	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	26.44	6.23
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.02*	
		For Galvanized Steel, Add	*11.24*	
05 12 23 00-0680	LF	4" x 4" x 1/4" Square Steel Tubing	30.72	7.24
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.51*	
		For Galvanized Steel, Add	*13.06*	
05 12 23 00-0681	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	35.00	8.25
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-4.00*	
		For Galvanized Steel, Add	*14.88*	
05 12 23 00-0682	LF	5" x 5" x 1/4" Square Steel Tubing	39.30	9.26
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-4.49*	
		For Galvanized Steel, Add	*16.71*	
05 12 23 00-0683	LF	6" x 6" x 1/4" Square Steel Tubing	47.85	11.27
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000, Deduct	*-5.47*	
		For Galvanized Steel, Add	*20.34*	

05 12 23 00-0684 Rectangular Steel Tubing *(05 12 23 00-0641)*

05 12 23 00-0685 3/16" Wall Thickness *(05 12 23 00-0684)*

05 12 23 00-0686	LF	3" x 2" x 3/16" Square Steel Tubing	16.45	4.14
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000, Deduct	*-1.92*	
		For Galvanized Steel, Add	*6.78*	
05 12 23 00-0687	LF	4" x 2" x 3/16" Square Steel Tubing	20.22	5.09
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.37*	
		For Galvanized Steel, Add	*8.33*	
05 12 23 00-0688	LF	4" x 3" x 3/16" Square Steel Tubing	23.98	6.04
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.80*	
		For Galvanized Steel, Add	*9.88*	
05 12 23 00-0689	LF	5" x 2" x 3/16" Square Steel Tubing	23.98	6.04
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.80*	
		For Galvanized Steel, Add	*9.88*	
05 12 23 00-0690	LF	5" x 3" x 3/16" Square Steel Tubing	27.72	6.98
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.24*	
		For Galvanized Steel, Add	*11.41*	
05 12 23 00-0691	LF	5" x 4" x 3/16" Square Steel Tubing	31.49	7.93
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.68*	
		For Galvanized Steel, Add	*12.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0692	LF	6" x 2" x 3/16" Square Steel Tubing	27.72	6.98
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.24*	
		For Galvanized Steel, Add	*11.41*	
05 12 23 00-0693	LF	6" x 3" x 3/16" Square Steel Tubing	31.49	7.93
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.68*	
		For Galvanized Steel, Add	*12.97*	
05 12 23 00-0694	LF	6" x 4" x 3/16" Square Steel Tubing	35.22	8.87
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000, Deduct	*-4.12*	
		For Galvanized Steel, Add	*14.51*	

05 12 23 00-0695 1/4" Wall Thickness *(05 12 23 00-0684)*

05 12 23 00-0696	LF	3" x 2" x 1/4" Square Steel Tubing	17.89	4.21
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.04*	
		For Galvanized Steel, Add	*7.61*	
05 12 23 00-0697	LF	4" x 2" x 1/4" Square Steel Tubing	22.16	5.23
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.53*	
		For Galvanized Steel, Add	*9.42*	
05 12 23 00-0698	LF	4" x 3" x 1/4" Square Steel Tubing	26.44	6.23
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.02*	
		For Galvanized Steel, Add	*11.24*	
05 12 23 00-0699	LF	5" x 2" x 1/4" Square Steel Tubing	26.44	6.23
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.02*	
		For Galvanized Steel, Add	*11.24*	
05 12 23 00-0700	LF	5" x 3" x 1/4" Square Steel Tubing	30.72	7.24
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.51*	
		For Galvanized Steel, Add	*13.06*	
05 12 23 00-0701	LF	5" x 4" x 1/4" Square Steel Tubing	35.00	8.25
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-4.00*	
		For Galvanized Steel, Add	*14.88*	
05 12 23 00-0702	LF	6" x 2" x 1/4" Square Steel Tubing	30.72	7.24
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.51*	
		For Galvanized Steel, Add	*13.06*	
05 12 23 00-0703	LF	6" x 3" x 1/4" Square Steel Tubing	35.00	8.25
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-4.00*	
		For Galvanized Steel, Add	*14.88*	
05 12 23 00-0704	LF	6" x 4" x 1/4" Square Steel Tubing	39.30	9.26
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-4.49*	
		For Galvanized Steel, Add	*16.71*	

05 12 23 00-0705 Round Steel Tubing *(05 12 23 00-0641)*

05 12 23 00-0706 0.065" Wall Thickness *(05 12 23 00-0705)*

05 12 23 00-0707	LF	1" Diameter x 0.065" Round Steel Tubing	3.65	0.77
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.40*	
		For Galvanized Steel, Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0708	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	4.63	0.98
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.51*	
		For Galvanized Steel, Add	*2.06*	
05 12 23 00-0709	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	5.60	1.18
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.62*	
		For Galvanized Steel, Add	*2.50*	
05 12 23 00-0710	LF	2" Diameter x 0.065" Round Steel Tubing	7.55	1.59
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.83*	
		For Galvanized Steel, Add	*3.37*	
05 12 23 00-0711	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	9.50	2.00
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.05*	
		For Galvanized Steel, Add	*4.23*	
05 12 23 00-0712	LF	3" Diameter x 0.065" Round Steel Tubing	11.45	2.42
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.26*	
		For Galvanized Steel, Add	*5.10*	
05 12 23 00-0713	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	13.41	2.83
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.48*	
		For Galvanized Steel, Add	*5.98*	
05 12 23 00-0714	LF	4" Diameter x 0.065" Round Steel Tubing	15.36	3.24
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.69*	
		For Galvanized Steel, Add	*6.84*	

05 12 23 00-0715 0.083" Wall Thickness *(05 12 23 00-0705)*

05 12 23 00-0716	LF	1" Diameter x 0.083" Round Steel Tubing	3.97	0.85
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.44*	
		For Galvanized Steel, Add	*1.76*	
05 12 23 00-0717	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	5.04	1.08
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.56*	
		For Galvanized Steel, Add	*2.24*	
05 12 23 00-0718	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	6.11	1.30
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.67*	
		For Galvanized Steel, Add	*2.72*	
05 12 23 00-0719	LF	2" Diameter x 0.083" Round Steel Tubing	8.28	1.76
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.91*	
		For Galvanized Steel, Add	*3.68*	
05 12 23 00-0720	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	10.44	2.23
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.15*	
		For Galvanized Steel, Add	*4.64*	
05 12 23 00-0721	LF	3" Diameter x 0.083" Round Steel Tubing	12.61	2.68
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.39*	
		For Galvanized Steel, Add	*5.60*	
05 12 23 00-0722	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	14.76	3.14
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.63*	
		For Galvanized Steel, Add	*6.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0723	LF	4" Diameter x 0.083" Round Steel Tubing	16.92	3.61
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.87*	
		For Galvanized Steel, Add	*7.51*	

05 12 23 00-0724 0.125" Wall Thickness *(05 12 23 00-0705)*

05 12 23 00-0725	LF	2" Diameter x 0.125" Round Steel Tubing	8.79	2.23
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.03*	
		For Galvanized Steel, Add	*3.61*	
05 12 23 00-0726	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	11.13	2.82
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.30*	
		For Galvanized Steel, Add	*4.57*	
05 12 23 00-0727	LF	3" Diameter x 0.125" Round Steel Tubing	13.48	3.41
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.58*	
		For Galvanized Steel, Add	*5.54*	
05 12 23 00-0728	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	15.82	4.01
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.85*	
		For Galvanized Steel, Add	*6.50*	
05 12 23 00-0729	LF	4" Diameter x 0.125" Round Steel Tubing	18.16	4.60
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.13*	
		For Galvanized Steel, Add	*7.46*	

05 12 23 00-0730 Flat Steel Bar *(05 12 23 00-0392)*

05 12 23 00-0731 1/8" Thick *(05 12 23 00-0730)*

05 12 23 00-0732	LF	1/8" Thick x 1" Wide Flat Steel Bar	2.20	1.11
		For Galvanized Steel, Add	*0.33*	
05 12 23 00-0733	LF	1/8" Thick x 2" Wide Flat Steel Bar	3.40	1.66
		For Galvanized Steel, Add	*0.56*	
05 12 23 00-0734	LF	1/8" Thick x 4" Wide Flat Steel Bar	5.15	2.34
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0735	LF	1/8" Thick x 6" Wide Flat Steel Bar	6.98	3.17
		For Galvanized Steel, Add	*1.38*	

05 12 23 00-0736 3/16" Thick *(05 12 23 00-0730)*

05 12 23 00-0737	LF	3/16" Thick x 1" Wide Flat Steel Bar	2.89	1.38
		For Galvanized Steel, Add	*0.51*	
05 12 23 00-0738	LF	3/16" Thick x 2" Wide Flat Steel Bar	4.53	2.06
		For Galvanized Steel, Add	*0.89*	
05 12 23 00-0739	LF	3/16" Thick x 4" Wide Flat Steel Bar	5.96	2.37
		For Galvanized Steel, Add	*1.49*	
05 12 23 00-0740	LF	3/16" Thick x 6" Wide Flat Steel Bar	8.27	3.28
		For Galvanized Steel, Add	*2.07*	

05 12 23 00-0741 1/4" Thick *(05 12 23 00-0730)*

05 12 23 00-0742	LF	1/4" Thick x 1" Wide Flat Steel Bar	3.01	1.45
		For Galvanized Steel, Add	*0.51*	
05 12 23 00-0743	LF	1/4" Thick x 2" Wide Flat Steel Bar	4.93	2.19
		For Galvanized Steel, Add	*1.03*	
05 12 23 00-0744	LF	1/4" Thick x 4" Wide Flat Steel Bar	6.95	2.49
		For Galvanized Steel, Add	*1.99*	
05 12 23 00-0745	LF	1/4" Thick x 6" Wide Flat Steel Bar	10.07	3.69
		For Galvanized Steel, Add	*2.81*	

05 12 23 00-0746 3/8" Thick *(05 12 23 00-0730)*

05 12 23 00-0747	LF	3/8" Thick x 1" Wide Flat Steel Bar	3.74	1.63
		For Galvanized Steel, Add	*0.79*	
05 12 23 00-0748	LF	3/8" Thick x 2" Wide Flat Steel Bar	6.06	2.45
		For Galvanized Steel, Add	*1.47*	
05 12 23 00-0749	LF	3/8" Thick x 4" Wide Flat Steel Bar	8.95	2.80
		For Galvanized Steel, Add	*2.94*	
05 12 23 00-0750	LF	3/8" Thick x 6" Wide Flat Steel Bar	12.89	4.14
		For Galvanized Steel, Add	*4.14*	

05 12 23 00-0751 1/2" Thick *(05 12 23 00-0730)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0752	LF	1/2" Thick x 1" Wide Flat Steel Bar	4.35	1.79
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0753	LF	1/2" Thick x 2" Wide Flat Steel Bar	7.09	2.70
		For Galvanized Steel, Add	*1.88*	
05 12 23 00-0754	LF	1/2" Thick x 4" Wide Flat Steel Bar	9.77	3.07
		For Galvanized Steel, Add	*3.19*	
05 12 23 00-0755	LF	1/2" Thick x 6" Wide Flat Steel Bar	17.13	4.56
		For Galvanized Steel, Add	*6.37*	

05 12 23 00-0756 Flat Steel Plate *(05 12 23 00-0392)*

05 12 23 00-0757	SF	1/8" Thick Flat Steel Plate	11.03	4.76
		For 304 Stainless Steel, Add	*11.06*	
		For 316 Stainless Steel, Add	*12.42*	
		For Aluminum, Add	*0.70*	
		For Galvanized Steel, Add	*2.41*	
05 12 23 00-0758	SF	3/16" Thick Flat Steel Plate	12.25	4.93
		For 304 Stainless Steel, Add	*13.82*	
		For 316 Stainless Steel, Add	*15.52*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*3.01*	
05 12 23 00-0759	SF	1/4" Thick Flat Steel Plate	14.49	5.53
		For 304 Stainless Steel, Add	*17.64*	
		For 316 Stainless Steel, Add	*19.81*	
		For Aluminum, Add	*1.11*	
		For Galvanized Steel, Add	*3.84*	
05 12 23 00-0760	SF	3/8" Thick Flat Steel Plate	19.05	6.22
		For 304 Stainless Steel, Add	*27.67*	
		For 316 Stainless Steel, Add	*31.07*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.02*	
05 12 23 00-0761	SF	1/2" Thick Flat Steel Plate	22.36	6.84
		For 304 Stainless Steel, Add	*34.49*	
		For 316 Stainless Steel, Add	*38.72*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.50*	
05 12 23 00-0762	SF	3/4" Thick Flat Steel Plate	35.53	8.47
		For 304 Stainless Steel, Add	*64.70*	
		For 316 Stainless Steel, Add	*72.64*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.07*	
05 12 23 00-0763	SF	1" Thick Flat Steel Plate	47.12	10.58
		For 304 Stainless Steel, Add	*88.58*	
		For 316 Stainless Steel, Add	*99.46*	
		For Aluminum, Add	*5.59*	
		For Galvanized Steel, Add	*19.27*	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	5.70	0.62
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	5.03	0.58

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	9.63	2.57
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	10.17	2.57

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	10.70	2.68
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	11.52	4.35
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	13.44	4.74
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	15.51	5.53
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	17.79	5.93
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	42.35	7.51
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	35.24	6.72

05 20 Metal Joists *(05)*

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,380.65	135.18
		For Welded Cross Bridging, Add	*168.98*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*218.09*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,188.25	126.73
		For Welded Cross Bridging, Add	*150.20*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*202.51*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	2,658.69	126.73
		For Welded Cross Bridging, Add	*155.98*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*256.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,038.91	126.73
		For Welded Cross Bridging, Add	*155.98*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*302.28*	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,654.48	126.73
		For Welded Cross Bridging, Add	*168.98*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*250.95*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,371.61	126.73
		For Welded Cross Bridging, Add	*155.98*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*342.20*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.19	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Site Installed Insulation Between Ribs, Add	*0.87*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.63	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.99*	
		For Up To 100, Add	*1.29*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.55	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.23*	
		For Up To 100, Add	*1.59*	
		For >100 To 500, Add	*0.83*	
		For >500 To 1,500, Add	*0.32*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.51	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.95*	
		For Up To 100, Add	*1.25*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.25*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.03	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*1.10*	
		For Up To 100, Add	*1.43*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.29*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.06	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.37*	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.93*	
		For >500 To 1,500, Add	*0.35*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.94	0.53
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*1.07*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.58	0.60
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Site Installed Insulation Between Ribs, Add	*1.24*	
		For Up To 100, Add	*1.55*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.70	0.74
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.54*	
		For Up To 100, Add	*1.90*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.37*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	6.93	0.74
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.84*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.14*	
		For >500 To 1,500, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.38	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.18*	
		For Up To 100, Add	*1.44*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.10	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.37*	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.32*	
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.34	
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.70*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.10*	
		For >500 To 1,500, Add	*0.39*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.96	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Site Installed Insulation Between Ribs, Add	*2.13*	
		For Up To 100, Add	*2.49*	
		For >100 To 500, Add	*1.36*	
		For >500 To 1,500, Add	*0.47*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.36	
		For Painted, Deduct	*-0.48*	
		For Perforated Or Slotted, Add	*0.48*	
		For Site Installed Insulation Between Ribs, Add	*2.97*	
		For Up To 100, Add	*2.67*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.43*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.35	
		For Painted, Deduct	*-0.61*	
		For Perforated Or Slotted, Add	*0.61*	
		For Site Installed Insulation Between Ribs, Add	*3.74*	
		For Up To 100, Add	*3.30*	
		For >100 To 500, Add	*2.06*	
		For >500 To 1,500, Add	*0.52*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	12.86	
		For Painted, Deduct	*-0.57*	
		For Perforated Or Slotted, Add	*0.57*	
		For Site Installed Insulation Between Ribs, Add	*3.33*	
		For Up To 100, Add	*2.65*	
		For >100 To 500, Add	*1.74*	
		For >500 To 1,500, Add	*0.38*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	13.60	
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Site Installed Insulation Between Ribs, Add	*3.54*	
		For Up To 100, Add	*3.05*	
		For >100 To 500, Add	*1.92*	
		For >500 To 1,500, Add	*0.47*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	16.97	
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*4.42*	
		For Up To 100, Add	*3.76*	
		For >100 To 500, Add	*2.38*	
		For >500 To 1,500, Add	*0.57*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	15.04	
		For Painted, Deduct	*-0.65*	
		For Perforated Or Slotted, Add	*0.65*	
		For Site Installed Insulation Between Ribs, Add	*3.92*	
		For Up To 100, Add	*3.37*	
		For >100 To 500, Add	*2.13*	
		For >500 To 1,500, Add	*0.52*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.71	
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Site Installed Insulation Between Ribs, Add	*4.87*	
		For Up To 100, Add	*4.13*	
		For >100 To 500, Add	*2.62*	
		For >500 To 1,500, Add	*0.63*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.02	
		For Painted, Deduct	*-0.42*	
		For Perforated Or Slotted, Add	*0.42*	
		For Insulated Cells, Add	*1.90*	
		For Site Installed Insulation Between Ribs, Add	*2.63*	
		For Up To 100, Add	*2.43*	
		For >100 To 500, Add	*1.48*	
		For >500 To 1,500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.04	
		For Painted, Deduct	*-0.45*	
		For Perforated Or Slotted, Add	*0.45*	
		For Insulated Cells, Add	*2.01*	
		For Site Installed Insulation Between Ribs, Add	*2.92*	
		For Up To 100, Add	*3.00*	
		For >100 To 500, Add	*1.74*	
		For >500 To 1,500, Add	*0.53*	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	12.19	
		For Painted, Deduct	*-0.53*	
		For Perforated Or Slotted, Add	*0.53*	
		For Insulated Cells, Add	*2.37*	
		For Site Installed Insulation Between Ribs, Add	*3.17*	
		For Up To 100, Add	*2.71*	
		For >100 To 500, Add	*1.72*	
		For >500 To 1,500, Add	*0.42*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.35	
		For Painted, Deduct	*-0.56*	
		For Perforated Or Slotted, Add	*0.56*	
		For Insulated Cells, Add	*2.50*	
		For Site Installed Insulation Between Ribs, Add	*3.51*	
		For Up To 100, Add	*3.33*	
		For >100 To 500, Add	*2.00*	
		For >500 To 1,500, Add	*0.56*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.04	
		For Painted, Deduct	*-0.60*	
		For Perforated Or Slotted, Add	*0.60*	
		For Insulated Cells, Add	*2.70*	
		For Site Installed Insulation Between Ribs, Add	*3.66*	
		For Up To 100, Add	*3.24*	
		For >100 To 500, Add	*2.02*	
		For >500 To 1,500, Add	*0.51*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	16.71	
		For Painted, Deduct	*-0.72*	
		For Perforated Or Slotted, Add	*0.72*	
		For Insulated Cells, Add	*3.24*	
		For Site Installed Insulation Between Ribs, Add	*4.35*	
		For Up To 100, Add	*3.77*	
		For >100 To 500, Add	*2.37*	
		For >500 To 1,500, Add	*0.58*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	18.70	
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.64*	
		For Site Installed Insulation Between Ribs, Add	*4.87*	
		For Up To 100, Add	*4.13*	
		For >100 To 500, Add	*2.62*	
		For >500 To 1,500, Add	*0.63*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	20.36	
		For Painted, Deduct	*-0.88*	
		For Perforated Or Slotted, Add	*0.88*	
		For Insulated Cells, Add	*3.94*	
		For Site Installed Insulation Between Ribs, Add	*5.30*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*2.89*	
		For >500 To 1,500, Add	*0.71*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	21.29	
		For Painted, Deduct	*-0.96*	
		For Perforated Or Slotted, Add	*0.96*	
		For Insulated Cells, Add	*4.34*	
		For Site Installed Insulation Between Ribs, Add	*5.47*	
		For Up To 100, Add	*3.93*	
		For >100 To 500, Add	*2.73*	
		For >500 To 1,500, Add	*0.50*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	22.75	
		For Painted, Deduct	*-1.02*	
		For Perforated Or Slotted, Add	*1.02*	
		For Insulated Cells, Add	*4.59*	
		For Site Installed Insulation Between Ribs, Add	*5.87*	
		For Up To 100, Add	*4.41*	
		For >100 To 500, Add	*2.99*	
		For >500 To 1,500, Add	*0.59*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	24.06	
		For Painted, Deduct	*-1.08*	
		For Perforated Or Slotted, Add	*1.08*	
		For Insulated Cells, Add	*4.84*	
		For Site Installed Insulation Between Ribs, Add	*6.21*	
		For Up To 100, Add	*4.70*	
		For >100 To 500, Add	*3.17*	
		For >500 To 1,500, Add	*0.64*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	25.67	
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.16*	
		For Site Installed Insulation Between Ribs, Add	*6.62*	
		For Up To 100, Add	*5.03*	
		For >100 To 500, Add	*3.39*	
		For >500 To 1,500, Add	*0.69*	

05 31 23 Steel Roof Decking *(05 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31 33)*

05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.41	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.44*	
		For >500 To 1,500, Add	*0.17*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.56	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*0.89*	
		For >100 To 500, Add	*0.47*	
		For >500 To 1,500, Add	*0.18*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.82	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.20*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.04	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.13*	
		For >100 To 500, Add	*0.58*	
		For >500 To 1,500, Add	*0.23*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.92	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.50*	
		For >500 To 1,500, Add	*0.18*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.07	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.19*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.22	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.57*	
		For >500 To 1,500, Add	*0.20*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.42	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.17*	
		For >100 To 500, Add	*0.62*	
		For >500 To 1,500, Add	*0.23*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.61	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.23*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.24*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.96	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.30*	
		For >100 To 500, Add	*0.70*	
		For >500 To 1,500, Add	*0.25*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.55	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.42*	
		For >100 To 500, Add	*0.78*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	5.04	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*1.60*	
		For >100 To 500, Add	*0.87*	
		For >500 To 1,500, Add	*0.31*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	3.65	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.23*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	3.89	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.27*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	4.31	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.63*	
		For >100 To 500, Add	*0.83*	
		For >500 To 1,500, Add	*0.33*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	4.67	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.90*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.40*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	3.89	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.27*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.20	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.49*	
		For >100 To 500, Add	*0.78*	
		For >500 To 1,500, Add	*0.30*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	4.62	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.36*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.01	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.43*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.09	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.28*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.37	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.57*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.32*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	4.86	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.88*	
		For >100 To 500, Add	*0.95*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.38	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.20*	
		For >100 To 500, Add	*1.09*	
		For >500 To 1,500, Add	*0.46*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	6.70	
		For Painted, Deduct	*-0.25*	
		For Perforated Or Slotted, Add	*0.25*	
		For Insulated Cells, Add	*1.12*	
		For Up To 100, Add	*2.24*	
		For >100 To 500, Add	*1.19*	
		For >500 To 1,500, Add	*0.44*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	7.14	
		For Painted, Deduct	*-0.26*	
		For Perforated Or Slotted, Add	*0.26*	
		For Insulated Cells, Add	*1.17*	
		For Up To 100, Add	*2.44*	
		For >100 To 500, Add	*1.29*	
		For >500 To 1,500, Add	*0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	7.22	
		For Painted, Deduct	*-0.26*	
		For Perforated Or Slotted, Add	*0.26*	
		For Insulated Cells, Add	*1.17*	
		For Up To 100, Add	*2.52*	
		For >100 To 500, Add	*1.32*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	7.63	
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Insulated Cells, Add	*1.22*	
		For Up To 100, Add	*2.76*	
		For >100 To 500, Add	*1.43*	
		For >500 To 1,500, Add	*0.56*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	8.17	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.30*	
		For Up To 100, Add	*2.98*	
		For >100 To 500, Add	*1.54*	
		For >500 To 1,500, Add	*0.60*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	8.25	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.30*	
		For Up To 100, Add	*3.06*	
		For >100 To 500, Add	*1.57*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	8.67	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*1.68*	
		For >500 To 1,500, Add	*0.68*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	6.91	
		For Painted, Deduct	*-0.25*	
		For Perforated Or Slotted, Add	*0.25*	
		For Insulated Cells, Add	*1.14*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.25*	
		For >500 To 1,500, Add	*0.46*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	7.28	
		For Painted, Deduct	*-0.26*	
		For Perforated Or Slotted, Add	*0.26*	
		For Insulated Cells, Add	*1.19*	
		For Up To 100, Add	*2.53*	
		For >100 To 500, Add	*1.33*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	7.35	
		For Painted, Deduct	*-0.26*	
		For Perforated Or Slotted, Add	*0.26*	
		For Insulated Cells, Add	*1.19*	
		For Up To 100, Add	*2.60*	
		For >100 To 500, Add	*1.36*	
		For >500 To 1,500, Add	*0.52*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	7.87	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.47*	
		For >500 To 1,500, Add	*0.57*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	8.32	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.31*	
		For Up To 100, Add	*3.06*	
		For >100 To 500, Add	*1.58*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	8.43	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.31*	
		For Up To 100, Add	*3.17*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.65*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	8.87	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*1.72*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	6.94	
		For Painted, Deduct	*-0.25*	
		For Perforated Or Slotted, Add	*0.25*	
		For Insulated Cells, Add	*1.15*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.25*	
		For >500 To 1,500, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	7.32	
		For Painted, Deduct	*-0.26*	
		For Perforated Or Slotted, Add	*0.26*	
		For Insulated Cells, Add	*1.19*	
		For Up To 100, Add	*2.57*	
		For >100 To 500, Add	*1.34*	
		For >500 To 1,500, Add	*0.51*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	7.43	
		For Painted, Deduct	*-0.26*	
		For Perforated Or Slotted, Add	*0.26*	
		For Insulated Cells, Add	*1.19*	
		For Up To 100, Add	*2.68*	
		For >100 To 500, Add	*1.39*	
		For >500 To 1,500, Add	*0.54*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	7.94	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*2.89*	
		For >100 To 500, Add	*1.49*	
		For >500 To 1,500, Add	*0.58*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	8.44	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.10*	
		For >100 To 500, Add	*1.60*	
		For >500 To 1,500, Add	*0.63*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	8.59	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.25*	
		For >100 To 500, Add	*1.66*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	8.94	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*3.46*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.71*	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.33	0.66
		For Walls >10' High, Add	*0.67*	
		For Curved Wall, Add	*0.47*	
		For Up To 200, Add	*0.98*	
		For >200 To 500, Add	*0.49*	
		For 12" On Center, Add	*0.59*	
		For 24" On Center, Deduct	*-0.59*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.71	0.66
		For Walls >10' High, Add	*0.74*	
		For Curved Wall, Add	*0.49*	
		For Up To 200, Add	*1.07*	
		For >200 To 500, Add	*0.53*	
		For 12" On Center, Add	*0.66*	
		For 24" On Center, Deduct	*-0.66*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.87	0.66
		For Walls >10' High, Add	*0.77*	
		For Curved Wall, Add	*0.51*	
		For Up To 200, Add	*1.11*	
		For >200 To 500, Add	*0.56*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.90	0.73
		For Walls >10' High, Add	*0.98*	
		For Curved Wall, Add	*0.53*	
		For Up To 200, Add	*1.33*	
		For >200 To 500, Add	*0.67*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.48	0.81
		For Walls >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.56*	
		For Up To 200, Add	*1.47*	
		For >200 To 500, Add	*0.73*	
		For 12" On Center, Add	*1.00*	
		For 24" On Center, Deduct	*-1.00*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Runners *(05 41)*		
05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.57	0.66
		For Walls >10' High, Add	*0.71*	
		For Curved Wall, Add	*0.49*	
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.12	0.67
		For Walls >10' High, Add	*0.82*	
		For Curved Wall, Add	*0.51*	
		For Up To 200, Add	*1.17*	
		For >200 To 500, Add	*0.58*	
		For 12" On Center, Add	*0.74*	
		For 24" On Center, Deduct	*-0.74*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.35	0.67
		For Walls >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.53*	
		For Up To 200, Add	*1.23*	
		For >200 To 500, Add	*0.61*	
		For 12" On Center, Add	*0.78*	
		For 24" On Center, Deduct	*-0.78*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.49	0.81
		For Walls >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.56*	
		For Up To 200, Add	*1.47*	
		For >200 To 500, Add	*0.74*	
		For 12" On Center, Add	*1.00*	
		For 24" On Center, Deduct	*-1.00*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.04	0.88
		For Walls >10' High, Add	*1.21*	
		For Curved Wall, Add	*0.59*	
		For Up To 200, Add	*1.60*	
		For >200 To 500, Add	*0.80*	
		For 12" On Center, Add	*1.11*	
		For 24" On Center, Deduct	*-1.11*	
05 41 00 00-0013		**14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** *(05 41)*		
05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.90	0.92
		For Walls >10' High, Add	*0.98*	
		For Curved Wall, Add	*0.62*	
		For Up To 200, Add	*1.39*	
		For >200 To 500, Add	*0.70*	
		For 12" On Center, Add	*0.88*	
		For 24" On Center, Deduct	*-0.88*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.04	0.94
		For Walls >10' High, Add	*1.01*	
		For Curved Wall, Add	*0.63*	
		For Up To 200, Add	*1.43*	
		For >200 To 500, Add	*0.71*	
		For 12" On Center, Add	*0.90*	
		For 24" On Center, Deduct	*-0.90*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.30	0.99
		For Walls >10' High, Add	*1.26*	
		For Curved Wall, Add	*0.66*	
		For Up To 200, Add	*1.70*	
		For >200 To 500, Add	*0.85*	
		For 12" On Center, Add	*1.15*	
		For 24" On Center, Deduct	*-1.15*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.92	1.04
		For Walls >10' High, Add	*1.38*	
		For Curved Wall, Add	*0.69*	
		For Up To 200, Add	*1.84*	
		For >200 To 500, Add	*0.92*	
		For 12" On Center, Add	*1.27*	
		For 24" On Center, Deduct	*-1.27*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001		**Steel Joists, 18 Gauge** *(05 42 13)*		
05 42 13 00-0002	LF	5-1/2" - 18 Gauge Steel Joists	7.78	1.77
05 42 13 00-0003	LF	6" - 18 Gauge Steel Joists	8.52	2.21
05 42 13 00-0004	LF	7-1/4" - 18 Gauge Steel Joists	9.23	2.43
05 42 13 00-0005	LF	8" - 18 Gauge Steel Joists	9.50	2.58
05 42 13 00-0006		**Steel Joists, 16 Gauge** *(05 42 13)*		
05 42 13 00-0007	LF	7-1/4" - 16 Gauge Steel Joists	9.97	2.45
05 42 13 00-0008	LF	8" - 16 Gauge Steel Joists	10.53	2.58
05 42 13 00-0009		**Steel Joists, 14 Gauge** *(05 42 13)*		
05 42 13 00-0010	LF	9-1/4" - 14 Gauge Steel Joists	11.87	2.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0011	LF	11-1/2" - 14 Gauge Steel Joists	12.89	2.72

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Unistrut Channel *(05 43)*

Note: Excludes fasteners and accessories.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.01	1.78
		For Galvanizing, Add	*0.58*	
		For Powder Coating, Add	*0.52*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	7.17	1.78
		For Galvanizing, Add	*0.61*	
		For Powder Coating, Add	*0.54*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	7.43	1.78
		For Galvanizing, Add	*0.66*	
		For Powder Coating, Add	*0.58*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	6.67	1.78
		For Galvanizing, Add	*0.53*	
		For Powder Coating, Add	*0.47*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	5.94	1.78
		For Galvanizing, Add	*0.40*	
		For Powder Coating, Add	*0.36*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009 304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	20.50	1.78
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	24.63	1.78
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	23.60	1.78
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.99	1.78

05 43 00 00-0014 316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	33.91	1.78

05 43 00 00-0016 Unistrut Closure Strips *(05 43)*

05 43 00 00-0017	LF	Steel Raceway Closure Strip For Unistrut Channel	3.38	0.39

05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel *(05 43)*

Note: Includes hex bolt.

05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0018)*

Note: Includes hex bolt.

05 43 00 00-0020	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	4.95	
05 43 00 00-0021	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	5.30	
05 43 00 00-0022	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	5.57	
05 43 00 00-0023	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	7.01	

05 43 00 00-0024 Stainless Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0018)*

Note: Includes hex bolt.

05 43 00 00-0025	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	11.72	
05 43 00 00-0026	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	12.48	
05 43 00 00-0027	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	17.68	
05 43 00 00-0028	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	30.28	

05 43 00 00-0029 Lock Nuts Without Spring For Unistrut Channel *(05 43)*

Note: Includes hex bolt.

05 43 00 00-0030 Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0029)*

Note: Includes hex bolt.

05 43 00 00-0031	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	4.96	
05 43 00 00-0032	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	5.35	
05 43 00 00-0033	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	5.59	
05 43 00 00-0034	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	7.42	

05 43 00 00-0035 Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0029)*

Note: Includes hex bolt.

05 43 00 00-0036	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	8.38	
05 43 00 00-0037	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.12	
05 43 00 00-0038	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.03	
05 43 00 00-0039	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	29.49	

05 43 00 00-0040 Beam Clamp For Unistrut Channel *(05 43)*

05 43 00 00-0041	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	15.95	5.93
05 43 00 00-0042	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	19.77	5.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0043		Beam Clamp Clevis Hangers For Unistrut Channel *(05 43)*		
05 43 00 00-0044	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.28	5.93
05 43 00 00-0045	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	20.31	5.93
05 43 00 00-0046		Other Unistrut Channel Accessories *(05 43)*		
05 43 00 00-0047	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	106.33	7.91
05 43 00 00-0048		Pipe And Rigid Conduit Clamps *(05 43)*		
05 43 00 00-0049		Pipe And Rigid Conduit Clamps *(05 43 00 00-0048)*		
		Note: Includes stainless steel (316) hardware.		
05 43 00 00-0050	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	5.95	1.52
05 43 00 00-0051	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.13	1.52
05 43 00 00-0052	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.88	1.84
05 43 00 00-0053	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.26	1.99
05 43 00 00-0054	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.57	2.24
05 43 00 00-0055	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.57	2.24
05 43 00 00-0056	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	14.35	3.76
05 43 00 00-0057	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	14.70	3.76
05 43 00 00-0058	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	15.57	4.16
05 43 00 00-0059	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.32	4.48
05 43 00 00-0060		Pipe And Rigid Conduit Clamps *(05 43 00 00-0048)*		
		Note: Includes nylon hardware.		
05 43 00 00-0061	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.56	1.52
05 43 00 00-0062	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.78	1.52
05 43 00 00-0063	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.53	1.84
05 43 00 00-0064	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.93	1.99
05 43 00 00-0065	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.63	2.24
05 43 00 00-0066	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.63	2.24
05 43 00 00-0067	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	15.77	3.76
05 43 00 00-0068	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	16.20	3.76
05 43 00 00-0069	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.09	4.16
05 43 00 00-0070	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	19.05	4.48

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001		Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*		
		Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	611.61	22.94
		For Closed Riser, Add	*70.25*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	695.29	26.76
		For Closed Riser, Add	*79.76*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	775.14	31.35
		For Closed Riser, Add	*88.72*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing	66.79	3.83
		Note: Conventional shape.		

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001		Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*		
		Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	300.79	30.58
		For Closed Riser, Add	*35.74*	
		For Galvanized Steel, Add	*59.91*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	321.37	35.17
		For Closed Riser, Add	*37.91*	
		For Galvanized Steel, Add	*62.76*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	356.42	41.29
		For Closed Riser, Add	*41.79*	
		For Galvanized Steel, Add	*68.46*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail	56.37	3.83
		Note: Conventional shape.		
		For Galvanized Steel, Add	*10.27*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Vertical Steel Ladder Primed	70.15	9.18
		For Galvanized Steel, Add	*10.34*	
		For Aluminum, Add	*20.69*	
05 51 33 13-0003	VLF	24" Wide Vertical Steel Ladder Primed	80.63	9.18
		For Galvanized Steel, Add	*12.96*	
		For Aluminum, Add	*25.93*	
05 51 33 13-0004	VLF	20" Wide Vertical Steel Caged Ladder Primed	168.92	15.29
		For Galvanized Steel, Add	*30.05*	
		For Aluminum, Add	*60.09*	
05 51 33 13-0005	VLF	24" Wide Vertical Steel Caged Ladder Primed	189.88	15.29
		For Galvanized Steel, Add	*35.29*	
		For Aluminum, Add	*70.57*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	221.94	28.67
		For Galvanized Steel, Add	*41.15*	
		For Aluminum, Add	*82.30*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	242.71	30.58
		For Galvanized Steel, Add	*45.39*	
		For Aluminum, Add	*90.77*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	321.69	9.56
05 51 33 13-0010	EA	6' Security Ladder Guard	699.26	57.34
05 51 33 13-0011	EA	8' Security Ladder Guard	835.77	66.90
05 51 33 13-0012	EA	Safety Chain Attachment	126.64	

05 51 33 13-0013 Welded Steel Ladder Cages *(05 51 33 13)*

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,293.68	114.69
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,403.47	118.51
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,491.06	122.33
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,584.55	126.16
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,639.56	129.98
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,728.64	133.80
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,807.33	137.62
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,909.71	141.45
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,009.13	145.27
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,090.80	149.09
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,190.21	152.92
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,286.68	156.74
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,381.66	160.56
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,553.62	164.39
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,605.67	168.20
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,694.73	172.03
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,776.38	175.86
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,852.12	179.67
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,019.64	183.50
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,110.18	187.32
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,194.80	191.14

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,044.04	114.69
05 51 33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,250.92	118.51
05 51 33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,594.86	122.33
05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,764.99	126.16
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,908.28	129.98
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,098.21	133.80
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,439.32	137.62
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,612.28	141.45
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,790.90	145.27
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,986.47	149.09
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,334.64	152.92
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,509.03	156.74
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,674.92	160.56
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,949.62	164.39
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,258.24	168.20
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,429.79	172.03
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,605.57	175.86
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,770.06	179.67
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,191.72	183.50
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,356.20	187.32
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,524.93	191.14

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 16		**Inclined Metal Ladders** *(05 51 33)*		
05 51 33 16-0001		Industrial Ship Ladder, Incline Stairs *(05 51 33 16)*		
		Note: Includes factory prime.		
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	219.87	38.23
		For Aluminum, Add	*71.71*	
05 51 33 23		**Alternating Tread Ladders** *(05 51 33)*		
05 51 33 23-0001		Vertical Ladders With Alternating Tread *(05 51 33 23)*		
05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	1,295.72	114.69
		For Stainless Steel, Add	*196.80*	
		For Primed Steel, Deduct	*-191.42*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,476.26	121.57
		For Stainless Steel, Add	*240.90*	
		For Primed Steel, Deduct	*-223.30*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,627.46	121.57
		For Stainless Steel, Add	*288.67*	
		For Primed Steel, Deduct	*-241.55*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,869.26	152.77
		For Stainless Steel, Add	*347.24*	
		For Primed Steel, Deduct	*-256.61*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,044.35	158.18
		For Stainless Steel, Add	*388.99*	
		For Primed Steel, Deduct	*-298.53*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,177.96	158.18
		For Stainless Steel, Add	*453.51*	
		For Primed Steel, Deduct	*-293.53*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	2,394.08	176.44
		For Stainless Steel, Add	*497.40*	
		For Primed Steel, Deduct	*-327.55*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	2,543.77	176.44
		For Stainless Steel, Add	*546.61*	
		For Primed Steel, Deduct	*-347.07*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	2,660.24	176.44
		For Stainless Steel, Add	*623.99*	
		For Primed Steel, Deduct	*-346.65*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe And Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	39.50	7.64
		For Additional Off Set Handrail, ADA Attachment, Add	*11.55*	
		For Aluminum, Satin Finish, Add	*10.17*	
		For Aluminum, Clear Anodized Finish, Add	*15.74*	
		For Aluminum, Dark Anodized Finish, Add	*18.16*	
		For Galvanizing, Add	*9.68*	
		For Wrought Iron, Add	*3.95*	
		For Solid Steel Rails, Add	*7.90*	
		For 304 Stainless Steel, Add	*77.47*	
		For 316 Stainless Steel, Add	*87.16*	
		For 2" Wheel Guard, Add	*2.30*	
		For 4" High Kick Plate, Add	*3.03*	
		For 6" High Kick Plate, Add	*4.84*	
		For Curved Rail, Add	*19.11*	
		For Mounting On Stairs, Add	*4.71*	
		For Mounting On Slopes, Add	*1.53*	
		For Post Base Flange With Screws, Add Per Post	*19.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.79*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*15.93*	
		For Nylon Coating, Add	*3.63*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	43.67	7.64
		For Additional Off Set Handrail, ADA Attachment, Add	*11.55*	
		For Aluminum, Satin Finish, Add	*11.92*	
		For Aluminum, Clear Anodized Finish, Add	*18.45*	
		For Aluminum, Dark Anodized Finish, Add	*21.29*	
		For Galvanizing, Add	*11.35*	
		For Wrought Iron, Add	*4.37*	
		For Solid Steel Rails, Add	*8.73*	
		For 304 Stainless Steel, Add	*90.82*	
		For 316 Stainless Steel, Add	*102.17*	
		For 2" Wheel Guard, Add	*2.70*	
		For 4" High Kick Plate, Add	*3.55*	
		For 6" High Kick Plate, Add	*5.68*	
		For Curved Rail, Add	*21.62*	
		For Mounting On Stairs, Add	*5.13*	
		For Mounting On Slopes, Add	*1.53*	
		For Post Base Flange With Screws, Add Per Post	*19.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.79*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.01*	
		For Nylon Coating, Add	*4.26*	
		For Schedule 80 Handrail, Add	*4.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	47.84	7.64
		For Additional Off Set Handrail, ADA Attachment, Add	*11.55*	
		For Aluminum, Satin Finish, Add	*13.67*	
		For Aluminum, Clear Anodized Finish, Add	*21.16*	
		For Aluminum, Dark Anodized Finish, Add	*24.41*	
		For Galvanizing, Add	*13.02*	
		For Wrought Iron, Add	*4.78*	
		For Solid Steel Rails, Add	*9.57*	
		For 304 Stainless Steel, Add	*104.16*	
		For 316 Stainless Steel, Add	*117.18*	
		For 2" Wheel Guard, Add	*3.09*	
		For 4" High Kick Plate, Add	*4.07*	
		For 6" High Kick Plate, Add	*6.51*	
		For Curved Rail, Add	*24.12*	
		For Mounting On Stairs, Add	*5.55*	
		For Mounting On Slopes, Add	*1.53*	
		For Post Base Flange With Screws, Add Per Post	*19.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.79*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*20.10*	
		For Nylon Coating, Add	*4.88*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	55.07	7.64
		For Additional Off Set Handrail, ADA Attachment, Add	*11.55*	
		For Aluminum, Satin Finish, Add	*16.71*	
		For Aluminum, Clear Anodized Finish, Add	*25.86*	
		For Aluminum, Dark Anodized Finish, Add	*29.84*	
		For Galvanizing, Add	*15.91*	
		For Wrought Iron, Add	*5.51*	
		For Solid Steel Rails, Add	*11.01*	
		For 304 Stainless Steel, Add	*127.30*	
		For 316 Stainless Steel, Add	*143.21*	
		For 2" Wheel Guard, Add	*3.78*	
		For 4" High Kick Plate, Add	*4.97*	
		For 6" High Kick Plate, Add	*7.96*	
		For Curved Rail, Add	*28.46*	
		For Mounting On Stairs, Add	*6.27*	
		For Mounting On Slopes, Add	*1.53*	
		For Post Base Flange With Screws, Add Per Post	*19.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.79*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*23.71*	
		For Nylon Coating, Add	*5.97*	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	63.74	7.64
		For Additional Off Set Handrail, ADA Attachment, Add	*11.55*	
		For Aluminum, Satin Finish, Add	*20.35*	
		For Aluminum, Clear Anodized Finish, Add	*31.49*	
		For Aluminum, Dark Anodized Finish, Add	*36.34*	
		For Galvanizing, Add	*19.38*	
		For Wrought Iron, Add	*6.37*	
		For Solid Steel Rails, Add	*12.75*	
		For 304 Stainless Steel, Add	*155.04*	
		For 316 Stainless Steel, Add	*174.42*	
		For 2" Wheel Guard, Add	*4.60*	
		For 4" High Kick Plate, Add	*6.06*	
		For 6" High Kick Plate, Add	*9.69*	
		For Curved Rail, Add	*33.66*	
		For Mounting On Stairs, Add	*7.14*	
		For Mounting On Slopes, Add	*1.53*	
		For Post Base Flange With Screws, Add Per Post	*19.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.79*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*28.05*	
		For Nylon Coating, Add	*7.27*	

05 52 13 00-0008 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	52.95	9.18
		For Additional Off Set Handrail, ADA Attachment, Add	*12.16*	
		For Aluminum, Satin Finish, Add	*14.53*	
		For Aluminum, Clear Anodized Finish, Add	*22.49*	
		For Aluminum, Dark Anodized Finish, Add	*25.95*	
		For Galvanizing, Add	*13.84*	
		For Wrought Iron, Add	*5.30*	
		For Solid Steel Rails, Add	*10.59*	
		For 304 Stainless Steel, Add	*110.72*	
		For 316 Stainless Steel, Add	*124.56*	
		For 2" Wheel Guard, Add	*3.29*	
		For 4" High Kick Plate, Add	*4.33*	
		For 6" High Kick Plate, Add	*6.92*	
		For Curved Rail, Add	*26.27*	
		For Mounting On Stairs, Add	*6.21*	
		For Mounting On Slopes, Add	*1.84*	
		For Post Base Flange With Screws, Add Per Post	*19.34*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.25*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*21.89*	
		For Nylon Coating, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	58.91	9.18
		For Additional Off Set Handrail, ADA Attachment, Add	*12.16*	
		For Aluminum, Satin Finish, Add	*17.04*	
		For Aluminum, Clear Anodized Finish, Add	*26.36*	
		For Aluminum, Dark Anodized Finish, Add	*30.42*	
		For Galvanizing, Add	*16.22*	
		For Wrought Iron, Add	*5.89*	
		For Solid Steel Rails, Add	*11.78*	
		For 304 Stainless Steel, Add	*129.79*	
		For 316 Stainless Steel, Add	*146.02*	
		For 2" Wheel Guard, Add	*3.85*	
		For 4" High Kick Plate, Add	*5.07*	
		For 6" High Kick Plate, Add	*8.11*	
		For Curved Rail, Add	*29.84*	
		For Mounting On Stairs, Add	*6.81*	
		For Mounting On Slopes, Add	*1.84*	
		For Post Base Flange With Screws, Add Per Post	*19.34*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.25*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*24.87*	
		For Nylon Coating, Add	*6.08*	
		For Schedule 80 Handrail, Add	*6.09*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	64.87	9.18
		For Additional Off Set Handrail, ADA Attachment, Add	*12.16*	
		For Aluminum, Satin Finish, Add	*19.54*	
		For Aluminum, Clear Anodized Finish, Add	*30.24*	
		For Aluminum, Dark Anodized Finish, Add	*34.89*	
		For Galvanizing, Add	*18.61*	
		For Wrought Iron, Add	*6.49*	
		For Solid Steel Rails, Add	*12.97*	
		For 304 Stainless Steel, Add	*148.86*	
		For 316 Stainless Steel, Add	*167.47*	
		For 2" Wheel Guard, Add	*4.42*	
		For 4" High Kick Plate, Add	*5.82*	
		For 6" High Kick Plate, Add	*9.30*	
		For Curved Rail, Add	*33.42*	
		For Mounting On Stairs, Add	*7.40*	
		For Mounting On Slopes, Add	*1.84*	
		For Post Base Flange With Screws, Add Per Post	*19.34*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.25*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*27.85*	
		For Nylon Coating, Add	*6.98*	
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	75.23	9.18
		For Additional Off Set Handrail, ADA Attachment, Add	*12.16*	
		For Aluminum, Satin Finish, Add	*23.89*	
		For Aluminum, Clear Anodized Finish, Add	*36.97*	
		For Aluminum, Dark Anodized Finish, Add	*42.66*	
		For Galvanizing, Add	*22.75*	
		For Wrought Iron, Add	*7.52*	
		For Solid Steel Rails, Add	*15.05*	
		For 304 Stainless Steel, Add	*182.02*	
		For 316 Stainless Steel, Add	*204.77*	
		For 2" Wheel Guard, Add	*5.40*	
		For 4" High Kick Plate, Add	*7.11*	
		For 6" High Kick Plate, Add	*11.38*	
		For Curved Rail, Add	*39.63*	
		For Mounting On Stairs, Add	*8.44*	
		For Mounting On Slopes, Add	*1.84*	
		For Post Base Flange With Screws, Add Per Post	*19.34*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.25*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*33.03*	
		For Nylon Coating, Add	*8.53*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	87.56	9.18
		For Additional Off Set Handrail, ADA Attachment, Add	*12.16*	
		For Aluminum, Satin Finish, Add	*29.07*	
		For Aluminum, Clear Anodized Finish, Add	*44.99*	
		For Aluminum, Dark Anodized Finish, Add	*51.91*	
		For Galvanizing, Add	*27.68*	
		For Wrought Iron, Add	*8.76*	
		For Solid Steel Rails, Add	*17.51*	
		For 304 Stainless Steel, Add	*221.47*	
		For 316 Stainless Steel, Add	*249.16*	
		For 2" Wheel Guard, Add	*6.57*	
		For 4" High Kick Plate, Add	*8.65*	
		For 6" High Kick Plate, Add	*13.84*	
		For Curved Rail, Add	*47.03*	
		For Mounting On Stairs, Add	*9.67*	
		For Mounting On Slopes, Add	*1.84*	
		For Post Base Flange With Screws, Add Per Post	*19.34*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.25*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*39.19*	
		For Nylon Coating, Add	*10.38*	

05 52 13 00-0014 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and four rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	63.88	10.70
		For Additional Off Set Handrail, ADA Attachment, Add	*12.77*	
		For Aluminum, Satin Finish, Add	*17.84*	
		For Aluminum, Clear Anodized Finish, Add	*27.61*	
		For Aluminum, Dark Anodized Finish, Add	*31.85*	
		For Galvanizing, Add	*16.99*	
		For Wrought Iron, Add	*6.39*	
		For Solid Steel Rails, Add	*12.78*	
		For 304 Stainless Steel, Add	*135.90*	
		For 316 Stainless Steel, Add	*152.89*	
		For 2" Wheel Guard, Add	*4.03*	
		For 4" High Kick Plate, Add	*5.31*	
		For 6" High Kick Plate, Add	*8.49*	
		For Curved Rail, Add	*31.91*	
		For Mounting On Stairs, Add	*7.46*	
		For Mounting On Slopes, Add	*2.14*	
		For Post Base Flange With Screws, Add Per Post	*19.64*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.71*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*26.59*	
		For Nylon Coating, Add	*6.37*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	69.17	10.70
		For Additional Off Set Handrail, ADA Attachment, Add	*12.77*	
		For Aluminum, Satin Finish, Add	*20.06*	
		For Aluminum, Clear Anodized Finish, Add	*31.04*	
		For Aluminum, Dark Anodized Finish, Add	*35.82*	
		For Galvanizing, Add	*19.10*	
		For Wrought Iron, Add	*6.92*	
		For Solid Steel Rails, Add	*13.83*	
		For 304 Stainless Steel, Add	*152.83*	
		For 316 Stainless Steel, Add	*171.94*	
		For 2" Wheel Guard, Add	*4.54*	
		For 4" High Kick Plate, Add	*5.97*	
		For 6" High Kick Plate, Add	*9.55*	
		For Curved Rail, Add	*35.08*	
		For Mounting On Stairs, Add	*7.99*	
		For Mounting On Slopes, Add	*2.14*	
		For Post Base Flange With Screws, Add Per Post	*19.64*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.71*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*29.23*	
		For Nylon Coating, Add	*7.16*	
		For Schedule 80 Handrail, Add	*8.09*	
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	74.46	10.70
		For Additional Off Set Handrail, ADA Attachment, Add	*12.77*	
		For Aluminum, Satin Finish, Add	*22.28*	
		For Aluminum, Clear Anodized Finish, Add	*34.48*	
		For Aluminum, Dark Anodized Finish, Add	*39.79*	
		For Galvanizing, Add	*21.22*	
		For Wrought Iron, Add	*7.45*	
		For Solid Steel Rails, Add	*14.89*	
		For 304 Stainless Steel, Add	*169.76*	
		For 316 Stainless Steel, Add	*190.98*	
		For 2" Wheel Guard, Add	*5.04*	
		For 4" High Kick Plate, Add	*6.63*	
		For 6" High Kick Plate, Add	*10.61*	
		For Curved Rail, Add	*38.25*	
		For Mounting On Stairs, Add	*8.52*	
		For Mounting On Slopes, Add	*2.14*	
		For Post Base Flange With Screws, Add Per Post	*19.64*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.71*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*31.88*	
		For Nylon Coating, Add	*7.96*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	86.25	10.70
		For Additional Off Set Handrail, ADA Attachment, Add	*12.77*	
		For Aluminum, Satin Finish, Add	*27.23*	
		For Aluminum, Clear Anodized Finish, Add	*42.15*	
		For Aluminum, Dark Anodized Finish, Add	*48.63*	
		For Galvanizing, Add	*25.94*	
		For Wrought Iron, Add	*8.63*	
		For Solid Steel Rails, Add	*17.25*	
		For 304 Stainless Steel, Add	*207.49*	
		For 316 Stainless Steel, Add	*233.42*	
		For 2" Wheel Guard, Add	*6.16*	
		For 4" High Kick Plate, Add	*8.11*	
		For 6" High Kick Plate, Add	*12.97*	
		For Curved Rail, Add	*45.33*	
		For Mounting On Stairs, Add	*9.70*	
		For Mounting On Slopes, Add	*2.14*	
		For Post Base Flange With Screws, Add Per Post	*19.64*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.71*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*37.77*	
		For Nylon Coating, Add	*9.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	100.06	10.70
		For Additional Off Set Handrail, ADA Attachment, Add	*12.77*	
		For Aluminum, Satin Finish, Add	*33.03*	
		For Aluminum, Clear Anodized Finish, Add	*51.12*	
		For Aluminum, Dark Anodized Finish, Add	*58.99*	
		For Galvanizing, Add	*31.46*	
		For Wrought Iron, Add	*10.01*	
		For Solid Steel Rails, Add	*20.01*	
		For 304 Stainless Steel, Add	*251.68*	
		For 316 Stainless Steel, Add	*283.14*	
		For 2" Wheel Guard, Add	*7.47*	
		For 4" High Kick Plate, Add	*9.83*	
		For 6" High Kick Plate, Add	*15.73*	
		For Curved Rail, Add	*53.61*	
		For Mounting On Stairs, Add	*11.08*	
		For Mounting On Slopes, Add	*2.14*	
		For Post Base Flange With Screws, Add Per Post	*19.64*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.71*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*44.68*	
		For Nylon Coating, Add	*11.80*	

05 52 13 00-0020 Railing Infill Panels *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0021 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0020)*

Note: Square weave or square welded wire mesh.

05 52 13 00-0022	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.58
05 52 13 00-0023	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	9.11
05 52 13 00-0024	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	9.58
05 52 13 00-0025	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.20

05 52 13 00-0026 Perforated Metal, Railing Infill Panels *(05 52 13 00-0020)*

05 52 13 00-0027	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	8.42
05 52 13 00-0028	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	8.70
05 52 13 00-0029	SF	Aluminum, Perforated Metal, Railing Infill Panel	9.32
05 52 13 00-0030	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	18.70

05 52 13 00-0031 Expanded Metal, Railing Infill Panels *(05 52 13 00-0020)*

05 52 13 00-0032	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	3.80
05 52 13 00-0033	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	7.76
05 52 13 00-0034	SF	Aluminum, Expanded Metal, Railing Infill Panel	10.19
05 52 13 00-0035	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	15.19

05 52 13 00-0036 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0037	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.00	4.58
		For Stainless Steel, Add	*37.06*	
		For Aluminum, Satin Finish, Add	*7.78*	
		For Curved Rail, Add	*9.00*	
		For Aluminum, Clear Anodized Finish, Add	*12.04*	
		For Aluminum, Dark Anodized Finish, Add	*13.90*	
		For Galvanized Finish, Add	*5.56*	
05 52 13 00-0038	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.60	4.58
		For Stainless Steel, Add	*38.26*	
		For Aluminum, Satin Finish, Add	*8.03*	
		For Curved Rail, Add	*9.18*	
		For Aluminum, Clear Anodized Finish, Add	*12.43*	
		For Aluminum, Dark Anodized Finish, Add	*14.35*	
		For Galvanized Finish, Add	*5.74*	
05 52 13 00-0039	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	31.20	4.58
		For Stainless Steel, Add	*39.46*	
		For Aluminum, Satin Finish, Add	*8.29*	
		For Curved Rail, Add	*9.36*	
		For Aluminum, Clear Anodized Finish, Add	*12.82*	
		For Aluminum, Dark Anodized Finish, Add	*14.80*	
		For Galvanized Finish, Add	*5.92*	
05 52 13 00-0040	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.07	4.58
		For Stainless Steel, Add	*53.20*	
		For Aluminum, Satin Finish, Add	*11.17*	
		For Curved Rail, Add	*11.42*	
		For Aluminum, Clear Anodized Finish, Add	*17.29*	
		For Aluminum, Dark Anodized Finish, Add	*19.95*	
		For Galvanized Finish, Add	*7.98*	
05 52 13 00-0041	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	43.75	4.58
		For Stainless Steel, Add	*64.56*	
		For Aluminum, Satin Finish, Add	*13.56*	
		For Curved Rail, Add	*13.13*	
		For Aluminum, Clear Anodized Finish, Add	*20.98*	
		For Aluminum, Dark Anodized Finish, Add	*24.21*	
		For Galvanized Finish, Add	*9.68*	

05 52 13 00-0042 Remove/Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0043	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	17.21
05 52 13 00-0044	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	22.71

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0045	EA	Install New Galvanized Steel Pipe Railing Bracket	41.83	
		For Stainless Steel, Add	*37.78*	

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	7.34	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*0.96*	
		For 304 Stainless Steel, Add	*18.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*1.65*	
		For Crossbars At 2" On-Center, Add	*0.61*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.27*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	9.68	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.36*	
		For 304 Stainless Steel, Add	*25.68*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*2.34*	
		For Crossbars At 2" On-Center, Add	*0.86*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.33*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	8.84	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.22*	
		For 304 Stainless Steel, Add	*22.98*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*2.09*	
		For Crossbars At 2" On-Center, Add	*0.77*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.30*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	12.02	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.76*	
		For 304 Stainless Steel, Add	*33.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.02*	
		For Crossbars At 2" On-Center, Add	*1.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.38*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	15.20	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.30*	
		For 304 Stainless Steel, Add	*43.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.95*	
		For Crossbars At 2" On-Center, Add	*1.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.46*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	10.36	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.48*	
		For 304 Stainless Steel, Add	*27.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*2.53*	
		For Crossbars At 2" On-Center, Add	*0.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.34*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	14.23	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.13*	
		For 304 Stainless Steel, Add	*40.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.66*	
		For Crossbars At 2" On-Center, Add	*1.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.44*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	11.89	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.74*	
		For 304 Stainless Steel, Add	*32.77*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*2.98*	
		For Crossbars At 2" On-Center, Add	*1.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	16.95	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.53*	
		For 304 Stainless Steel, Add	*47.76*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.34*	
		For Crossbars At 2" On-Center, Add	*1.61*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.76*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	21.78	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.35*	
		For 304 Stainless Steel, Add	*63.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.76*	
		For Crossbars At 2" On-Center, Add	*2.13*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.88*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	19.31	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.93*	
		For 304 Stainless Steel, Add	*55.34*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.03*	
		For Crossbars At 2" On-Center, Add	*1.86*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.82*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	21.52	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.31*	
		For 304 Stainless Steel, Add	*62.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.68*	
		For Crossbars At 2" On-Center, Add	*2.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.87*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	23.86	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.70*	
		For 304 Stainless Steel, Add	*69.95*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.36*	
		For Crossbars At 2" On-Center, Add	*2.35*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.93*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	26.07	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.08*	
		For 304 Stainless Steel, Add	*77.04*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.01*	
		For Crossbars At 2" On-Center, Add	*2.59*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.99*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	13.48	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.94*	
		For 304 Stainless Steel, Add	*22.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.27*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.42*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	16.49	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.43*	
		For 304 Stainless Steel, Add	*27.71*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.32*	
		For Crossbars At 2" On-Center, Add	*1.60*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.50*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	14.77	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.15*	
		For 304 Stainless Steel, Add	*24.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.82*	
		For Crossbars At 2" On-Center, Add	*1.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	19.94	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.99*	
		For 304 Stainless Steel, Add	*34.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*26.48*	
		For Bearing Bars At 15/16" On-Center, Add	*5.33*	
		For Crossbars At 2" On-Center, Add	*1.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.58*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	16.49	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.43*	
		For 304 Stainless Steel, Add	*27.71*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.32*	
		For Crossbars At 2" On-Center, Add	*1.60*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.50*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	22.33	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.39*	
		For 304 Stainless Steel, Add	*38.64*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.03*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.64*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	18.30	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.73*	
		For 304 Stainless Steel, Add	*31.10*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.85*	
		For Crossbars At 2" On-Center, Add	*1.79*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.54*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	25.23	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.80*	
		For 304 Stainless Steel, Add	*43.33*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*33.58*	
		For Bearing Bars At 15/16" On-Center, Add	*6.76*	
		For Crossbars At 2" On-Center, Add	*2.50*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.97*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	27.76	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.21*	
		For 304 Stainless Steel, Add	*48.07*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.50*	
		For Crossbars At 2" On-Center, Add	*2.77*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.03*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	29.82	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*51.92*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.10*	
		For Crossbars At 2" On-Center, Add	*3.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.08*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	31.79	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.87*	
		For 304 Stainless Steel, Add	*55.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.68*	
		For Crossbars At 2" On-Center, Add	*3.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.13*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	33.50	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.15*	
		For 304 Stainless Steel, Add	*58.81*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.18*	
		For Crossbars At 2" On-Center, Add	*3.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.17*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	14.08	0.84
		For Bearing Bars At 15/16" On-Center, Add	*3.62*	
		For Crossbars At 2" On-Center, Add	*1.34*	
		For Set In Place Without Bolting, Deduct	*-1.44*	
		For Powder Coating, Add	*1.86*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	19.16	0.84
		For Bearing Bars At 15/16" On-Center, Add	*5.10*	
		For Crossbars At 2" On-Center, Add	*1.89*	
		For Set In Place Without Bolting, Deduct	*-1.56*	
		For Powder Coating, Add	*2.62*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	18.07	0.84
		For Bearing Bars At 15/16" On-Center, Add	*4.79*	
		For Crossbars At 2" On-Center, Add	*1.77*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.54*	
		For Powder Coating, Add	*2.46*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	24.64	0.84
		For Bearing Bars At 7/16" On-Center, Add	*33.29*	
		For Bearing Bars At 15/16" On-Center, Add	*6.70*	
		For Crossbars At 2" On-Center, Add	*2.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.70*	
		For Powder Coating, Add	*3.44*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	20.96	0.84
		For Bearing Bars At 15/16" On-Center, Add	*5.63*	
		For Crossbars At 2" On-Center, Add	*2.08*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.61*	
		For Powder Coating, Add	*2.89*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	28.12	0.84
		For Bearing Bars At 15/16" On-Center, Add	*7.72*	
		For Crossbars At 2" On-Center, Add	*2.86*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.79*	
		For Powder Coating, Add	*3.97*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	23.67	0.84
		For Bearing Bars At 15/16" On-Center, Add	*6.42*	
		For Crossbars At 2" On-Center, Add	*2.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.68*	
		For Powder Coating, Add	*3.30*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.71	0.84
		For Bearing Bars At 7/16" On-Center, Add	*43.54*	
		For Bearing Bars At 15/16" On-Center, Add	*8.77*	
		For Crossbars At 2" On-Center, Add	*3.24*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.88*	
		For Powder Coating, Add	*4.50*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	35.15	0.84
		For Bearing Bars At 15/16" On-Center, Add	*9.77*	
		For Crossbars At 2" On-Center, Add	*3.61*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.96*	
		For Powder Coating, Add	*5.02*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	39.23	0.84
		For Bearing Bars At 15/16" On-Center, Add	*10.96*	
		For Crossbars At 2" On-Center, Add	*4.06*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.06*	
		For Powder Coating, Add	*5.63*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	42.42	0.84
		For Bearing Bars At 15/16" On-Center, Add	*11.90*	
		For Crossbars At 2" On-Center, Add	*4.40*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.14*	
		For Powder Coating, Add	*6.11*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	46.24	0.84
		For Bearing Bars At 15/16" On-Center, Add	*13.01*	
		For Crossbars At 2" On-Center, Add	*4.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
		For Powder Coating, Add	*6.68*	

05 53 13 00-0044 **Swage Locked Grating** *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 **Steel, Swage Locked Grating** *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	21.78	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.85*	
		For 304 Stainless Steel, Add	*33.33*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.86*	
		For Crossbars At 2" On-Center, Add	*1.61*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.63*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	24.25	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.08*	
		For 304 Stainless Steel, Add	*37.42*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.44*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.69*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	26.59	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.26*	
		For 304 Stainless Steel, Add	*40.65*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.69*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.00*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	30.38	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.60*	
		For 304 Stainless Steel, Add	*46.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.12*	
		For Crossbars At 2" On-Center, Add	*2.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.09*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	34.20	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.96*	
		For 304 Stainless Steel, Add	*53.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*20.56*	
		For Crossbars At 2" On-Center, Add	*2.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.19*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	38.00	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.31*	
		For 304 Stainless Steel, Add	*59.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*23.00*	
		For Crossbars At 2" On-Center, Add	*2.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.29*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	41.81	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.66*	
		For 304 Stainless Steel, Add	*65.89*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*25.43*	
		For Crossbars At 2" On-Center, Add	*3.18*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.38*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	16.66	0.84
		For Bearing Bars At 15/16" On-Center, Add	*9.59*	
		For Crossbars At 2" On-Center, Add	*1.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.50*	
		For Powder Coating, Add	*2.25*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	21.68	0.84
		For Bearing Bars At 15/16" On-Center, Add	*12.80*	
		For Crossbars At 2" On-Center, Add	*1.60*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.63*	
		For Powder Coating, Add	*3.00*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	18.92	0.84
		For Bearing Bars At 15/16" On-Center, Add	*11.03*	
		For Crossbars At 2" On-Center, Add	*1.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.56*	
		For Powder Coating, Add	*2.59*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	25.05	0.84
		For Bearing Bars At 15/16" On-Center, Add	*14.96*	
		For Crossbars At 2" On-Center, Add	*1.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.71*	
		For Powder Coating, Add	*3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	21.59	0.84
		For Bearing Bars At 15/16" On-Center, Add	*12.74*	
		For Crossbars At 2" On-Center, Add	*1.59*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.62*	
		For Powder Coating, Add	*2.99*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	28.67	0.84
		For Bearing Bars At 15/16" On-Center, Add	*17.27*	
		For Crossbars At 2" On-Center, Add	*2.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.80*	
		For Powder Coating, Add	*4.05*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	32.83	0.84
		For Bearing Bars At 15/16" On-Center, Add	*19.94*	
		For Crossbars At 2" On-Center, Add	*2.49*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.90*	
		For Powder Coating, Add	*4.67*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	36.97	0.84
		For Bearing Bars At 15/16" On-Center, Add	*22.59*	
		For Crossbars At 2" On-Center, Add	*2.82*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.01*	
		For Powder Coating, Add	*5.29*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	41.13	0.84
		For Bearing Bars At 15/16" On-Center, Add	*25.25*	
		For Crossbars At 2" On-Center, Add	*3.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.11*	
		For Powder Coating, Add	*5.92*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	45.27	0.84
		For Bearing Bars At 15/16" On-Center, Add	*27.90*	
		For Crossbars At 2" On-Center, Add	*3.49*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.22*	
		For Powder Coating, Add	*6.54*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	40.99	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.89*	
		For 304 Stainless Steel, Add	*33.77*	
		For 5/8" Clear Opening, Add	*13.56*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.11*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	48.18	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.23*	
		For 304 Stainless Steel, Add	*39.94*	
		For 5/8" Clear Opening, Add	*16.04*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.29*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	44.30	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.05*	
		For 304 Stainless Steel, Add	*36.61*	
		For 5/8" Clear Opening, Add	*14.70*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.19*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	50.93	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.36*	
		For 304 Stainless Steel, Add	*42.31*	
		For 5/8" Clear Opening, Add	*16.99*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.36*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating	47.05	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.18*	
		For 304 Stainless Steel, Add	*38.97*	
		For 5/8" Clear Opening, Add	*15.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	56.03	0.84
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.61*	
		For 304 Stainless Steel, Add	*46.69*	
		For 5/8" Clear Opening, Add	*18.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	50.08	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.30*	
		For 304 Stainless Steel, Add	*41.24*	
		For 5/8" Clear Opening, Add	*16.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.59*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	59.69	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.77*	
		For 304 Stainless Steel, Add	*49.50*	
		For 5/8" Clear Opening, Add	*19.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.83*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	64.59	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.00*	
		For 304 Stainless Steel, Add	*53.70*	
		For 5/8" Clear Opening, Add	*21.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.95*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating	75.53	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.53*	
		For 304 Stainless Steel, Add	*63.10*	
		For 5/8" Clear Opening, Add	*25.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.22*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	79.35	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.71*	
		For 304 Stainless Steel, Add	*66.38*	
		For 5/8" Clear Opening, Add	*26.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.32*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	82.75	1.03
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.30*	
		For 5/8" Clear Opening, Add	*27.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.40*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	35.90	0.84
		For 5/8" Clear Opening, Add	*11.81*	
		For Powder Coating, Add	*5.13*	
		For Set In Place Without Bolting, Deduct	*-1.98*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	42.67	0.84
		For 5/8" Clear Opening, Add	*14.14*	
		For Powder Coating, Add	*6.15*	
		For Set In Place Without Bolting, Deduct	*-2.15*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	39.51	0.84
		For 5/8" Clear Opening, Add	*13.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*5.67*	
		For Set In Place Without Bolting, Deduct	*-2.07*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	46.13	0.84
		For 5/8" Clear Opening, Add	*15.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.67*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	44.35	0.84
		For 5/8" Clear Opening, Add	*14.72*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.40*	
		For Set In Place Without Bolting, Deduct	*-2.19*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	53.53	0.84
		For 5/8" Clear Opening, Add	*17.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.78*	
		For Set In Place Without Bolting, Deduct	*-2.42*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	47.66	0.84
		For 5/8" Clear Opening, Add	*15.86*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.90*	
		For Set In Place Without Bolting, Deduct	*-2.28*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	59.31	0.84
		For 5/8" Clear Opening, Add	*19.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.64*	
		For Set In Place Without Bolting, Deduct	*-2.57*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	65.43	0.84
		For 5/8" Clear Opening, Add	*21.99*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.56*	
		For Set In Place Without Bolting, Deduct	*-2.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	77.98	0.84
		For 5/8" Clear Opening, Add	*26.32*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.45*	
		For Set In Place Without Bolting, Deduct	*-3.03*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	85.10	0.84
		For 5/8" Clear Opening, Add	*28.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*12.51*	
		For Set In Place Without Bolting, Deduct	*-3.21*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	94.65	0.84
		For 5/8" Clear Opening, Add	*32.07*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.95*	
		For Set In Place Without Bolting, Deduct	*-3.45*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	12.06	0.99
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	13.77	0.99
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	17.21	0.99
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	23.01	1.07
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	29.19	1.15

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	17.60	0.84
		For Powder Coating, Add	*2.39*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	20.19	0.99
		For Powder Coating, Add	*2.74*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	22.79	1.07
		For Powder Coating, Add	*3.10*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	26.77	1.15
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	32.01	1.30
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	41.48	1.52

05 55 Metal Stair Treads And Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	42.21	4.20
		For 3/8" Thick, Add	*8.87*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	46.45	4.20
		For 3/8" Thick, Add	*9.93*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	50.67	4.20
		For 3/8" Thick, Add	*10.99*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	54.91	4.20
		For 3/8" Thick, Add	*12.05*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	59.12	4.20
		For 3/8" Thick, Add	*13.10*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	58.63	4.20
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	64.90	4.20
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	71.18	4.20
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	77.45	4.20
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	83.74	4.20

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	22.42	4.20
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	26.25	4.20
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	27.94	4.20

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	33.00	4.20
		For Epoxy Sealed For Corrosive Environment, Add	*2.66*	
		For Two Color Tread, Add	*2.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	33.32	4.20
		For Epoxy Sealed For Corrosive Environment, Add	*2.66*	
		For Two Color Tread, Add	*2.00*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	40.22	4.20
		For Epoxy Sealed For Corrosive Environment, Add	*2.66*	
		For Two Color Tread, Add	*2.00*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	46.26	4.20
		For Epoxy Sealed For Corrosive Environment, Add	*2.66*	
		For Two Color Tread, Add	*2.00*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	54.14	4.20
		For Epoxy Sealed For Corrosive Environment, Add	*2.66*	
		For Two Color Tread, Add	*2.00*	
05 55 13 00-0023		Stair Landing Treads *(05 55 13)*		
05 55 13 00-0024		Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	59.12	4.20
		For 3/8" Thick, Add	*13.10*	
05 55 13 00-0026		Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	83.74	4.20
05 55 13 00-0028		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	54.83	4.20
		For Epoxy Sealed For Corrosive Environment, Add	*2.66*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		Abrasive Cast Aluminum Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	17.90	2.87
		For 3/8" Thick, Add	*3.33*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	21.99	2.87
		For 3/8" Thick, Add	*4.35*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	31.09	2.87
		For 3/8" Thick, Add	*6.63*	
05 55 16 00-0005		Abrasive Cast Iron Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	20.88	2.87
		For 3/8" Thick, Add	*4.07*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	25.91	2.87
		For 3/8" Thick, Add	*5.33*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	35.86	2.87
		For 3/8" Thick, Add	*7.82*	
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings *(05 55 16)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.13	2.87
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.10	2.87
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.60	2.87
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	23.28	2.87
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.66	2.87
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.34	2.87
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.00	2.87
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.99	2.87
05 58		Formed Metal Fabrications *(05 50)*		
05 58 16		**Formed Metal Enclosures** *(05 58)*		
05 58 16 00-0001		Drip Pan *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	64.97	3.72
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	64.18	3.72
05 58 16 00-0004	SF	Aluminum Drip Pan	45.01	2.97
05 58 16 00-0005	SF	Plastic Drip Pan	11.45	2.60
05 58 23		**Formed Metal Guards** *(05 58)*		
05 58 23 00-0001		Protective Guard Rails *(05 58 23)*		
		Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)*		
		Note: Steel King Armor Guard.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0003		**Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	121.59	13.76
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	142.75	13.76
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	162.71	13.76
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	183.87	13.76
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	203.94	13.76
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	229.97	13.76
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	247.70	13.76
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	275.15	13.76
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	293.16	13.76
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	306.03	13.76
05 58 23 00-0014		**Posts For 2-Rib Guard Rails** *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	244.90	28.66
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	318.39	28.66
05 58 23 00-0017		**3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0001)* Note: Steel King Steel Guard.		
05 58 23 00-0018		**Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	134.34	13.76
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	148.41	13.76
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	165.97	13.76
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	182.38	13.76
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	201.37	13.76
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	210.52	13.76
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	232.54	13.76
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	251.13	13.76
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	270.86	13.76
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	290.88	13.76
05 58 23 00-0029		**Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	197.65	13.76
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	213.09	13.76
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	229.11	13.76
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	247.70	13.76
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	266.28	13.76
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	281.44	13.76
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	298.88	13.76
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	318.61	13.76
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	339.78	13.76
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	358.36	13.76
05 58 23 00-0040		**Posts For 3-Rib Guard Rails** *(05 58 23 00-0017)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	215.62	28.66
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	275.21	28.66
05 58 23 00-0043		**All-Welded, Protective Guards** *(05 58 23)* Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		**All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	281.45	38.21
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	295.75	38.21
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	304.05	38.21
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	316.34	38.21
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	313.48	38.21
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	328.64	38.21
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	332.93	38.21
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	337.79	38.21
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	360.95	38.21
05 58 23 00-0054		**Corner Style, All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	370.10	38.21
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	387.26	38.21
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	394.41	38.21
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	429.58	38.21
05 58 23 00-0059		**Warehouse Safety Bollards** *(05 58 23)* Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	181.43	28.66
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	209.69	28.66
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	239.60	28.66
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	247.78	28.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	266.65	28.66

05 59 Metal Specialties *(05 50)*

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	4.02	0.75
		For Plastic Dipped, Add	*0.38*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.39	0.99
		For Plastic Dipped, Add	*0.51*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.56	1.97
		For Plastic Dipped, Add	*0.69*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.75	3.33
		For Plastic Dipped, Add	*1.06*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	23.22	5.63
		For Plastic Dipped, Add	*1.79*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	32.59	7.91
		For Plastic Dipped, Add	*2.52*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	44.36	9.88
		For Plastic Dipped, Add	*3.69*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	64.06	13.17
		For Plastic Dipped, Add	*5.66*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	104.06	19.76
		For Plastic Dipped, Add	*9.68*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	18.20	1.49
		For Zinc-Tin Coated Copper, Add	*3.77*	
		For >16 To 200, Deduct	*-1.02*	
		For >200 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.95*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	22.78	1.67
		For Zinc-Tin Coated Copper, Add	*4.89*	
		For >16 To 200, Deduct	*-1.26*	
		For >200 To 500, Deduct	*-2.53*	
		For >500, Deduct	*-3.67*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	24.93	1.80
		For Zinc-Tin Coated Copper, Add	*5.37*	
		For >16 To 200, Deduct	*-1.38*	
		For >200 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-4.01*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	26.94	1.89
		For Zinc-Tin Coated Copper, Add	*5.85*	
		For >16 To 200, Deduct	*-1.49*	
		For >200 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-4.32*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	30.74	1.97
		For Zinc-Tin Coated Copper, Add	*6.82*	
		For >16 To 200, Deduct	*-1.69*	
		For >200 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.91*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	39.03	2.06
		For Zinc-Tin Coated Copper, Add	*9.03*	
		For >16 To 200, Deduct	*-2.11*	
		For >200 To 500, Deduct	*-4.21*	
		For >500, Deduct	*-6.16*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	45.79	2.15
		For Zinc-Tin Coated Copper, Add	*10.81*	
		For >16 To 200, Deduct	*-2.45*	
		For >200 To 500, Deduct	*-4.90*	
		For >500, Deduct	*-7.19*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	55.51	2.34
		For Zinc-Tin Coated Copper, Add	*13.33*	
		For >16 To 200, Deduct	*-2.95*	
		For >200 To 500, Deduct	*-5.90*	
		For >500, Deduct	*-8.68*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	68.25	2.51
		For Zinc-Tin Coated Copper, Add	*16.69*	
		For >16 To 200, Deduct	*-3.60*	
		For >200 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.62*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	100.40	2.70
		For Zinc-Tin Coated Copper, Add	*25.39*	
		For >16 To 200, Deduct	*-5.22*	
		For >200 To 500, Deduct	*-10.44*	
		For >500, Deduct	*-15.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0013		**Stainless Steel Sheets, Installed On Walls** *(05 75 00 00-0001)* Note: Includes field fabrication.		
05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	10.03	1.71
		For >16 To 200, Deduct	*-0.63*	
		For >200 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.76*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	11.31	1.84
		For >16 To 200, Deduct	*-0.70*	
		For >200 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.97*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	12.29	1.93
		For >16 To 200, Deduct	*-0.76*	
		For >200 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.13*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.30	2.02
		For >16 To 200, Deduct	*-0.87*	
		For >200 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.45*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.28	2.11
		For >16 To 200, Deduct	*-0.97*	
		For >200 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.76*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.75	2.22
		For >16 To 200, Deduct	*-1.10*	
		For >200 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.14*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	26.76	2.58
		For >16 To 200, Deduct	*-1.53*	
		For >200 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-4.40*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	35.94	2.74
		For >16 To 200, Deduct	*-2.00*	
		For >200 To 500, Deduct	*-4.01*	
		For >500, Deduct	*-5.80*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	49.06	3.32
		For >16 To 200, Deduct	*-2.70*	
		For >200 To 500, Deduct	*-5.40*	
		For >500, Deduct	*-7.86*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	81.32	3.55
		For >16 To 200, Deduct	*-4.33*	
		For >200 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-12.73*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	103.91	4.14
		For >16 To 200, Deduct	*-5.51*	
		For >200 To 500, Deduct	*-11.01*	
		For >500, Deduct	*-16.21*	
05 75 00 00-0025		**Aluminum Sheets, Installed On Walls** *(05 75 00 00-0001)* Note: Includes field fabrication.		
05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	7.23	1.49
		For >16 To 200, Deduct	*-0.47*	
		For >200 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.31*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	8.23	1.67
		For >16 To 200, Deduct	*-0.54*	
		For >200 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.48*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	9.18	1.80
		For >16 To 200, Deduct	*-0.59*	
		For >200 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.65*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	10.21	1.89
		For >16 To 200, Deduct	*-0.65*	
		For >200 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.82*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	11.21	1.97
		For >16 To 200, Deduct	*-0.71*	
		For >200 To 500, Deduct	*-1.42*	
		For >500, Deduct	*-1.98*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	12.32	2.06
		For >16 To 200, Deduct	*-0.77*	
		For >200 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.16*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	13.69	2.15
		For >16 To 200, Deduct	*-0.85*	
		For >200 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.38*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	16.30	2.51
		For >16 To 200, Deduct	*-1.00*	
		For >200 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.82*	
05 75 00 00-0034		**Galvanized Steel Sheets, Installed On Walls** *(05 75 00 00-0001)* Note: Includes field fabrication.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	6.32	1.49
		For >16 To 200, Deduct	*-0.43*	
		For >200 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.17*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	7.02	1.67
		For >16 To 200, Deduct	*-0.48*	
		For >200 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.30*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	7.46	1.80
		For >16 To 200, Deduct	*-0.51*	
		For >200 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.39*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	7.93	1.89
		For >16 To 200, Deduct	*-0.54*	
		For >200 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.47*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	8.51	1.97
		For >16 To 200, Deduct	*-0.57*	
		For >200 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.57*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	9.16	2.06
		For >16 To 200, Deduct	*-0.61*	
		For >200 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.68*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.19	2.15
		For >16 To 200, Deduct	*-0.67*	
		For >200 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.85*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.68	2.34
		For >16 To 200, Deduct	*-0.76*	
		For >200 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.10*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.46	2.70
		For >16 To 200, Deduct	*-0.88*	
		For >200 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.42*	

05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	7.90	1.42
		For >16 To 200, Deduct	*-0.54*	
		For >200 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.47*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	9.11	1.60
		For >16 To 200, Deduct	*-0.62*	
		For >200 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.69*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	10.30	1.78
		For >16 To 200, Deduct	*-0.69*	
		For >200 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-1.90*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	11.35	1.93
		For >16 To 200, Deduct	*-0.76*	
		For >200 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.09*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 05 Common Work Results For Wood, Plastics, And Composites

(06)

06 05 23 Wood, Plastic, And Composite Fastenings (06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts (06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt		10.44	
		For >10 To 50, Deduct		*-0.27*	
		For >50 To 100, Deduct		*-0.67*	
		For >100 To 250, Deduct		*-1.34*	
		For >250 To 500, Deduct		*-2.28*	
		For >500, Deduct		*-3.23*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt		14.50	
		For >10 To 50, Deduct		*-0.29*	
		For >50 To 100, Deduct		*-0.80*	
		For >100 To 250, Deduct		*-1.61*	
		For >250 To 500, Deduct		*-2.70*	
		For >500, Deduct		*-3.80*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt		16.25	
		For >10 To 50, Deduct		*-0.29*	
		For >50 To 100, Deduct		*-0.85*	
		For >100 To 250, Deduct		*-1.69*	
		For >250 To 500, Deduct		*-2.84*	
		For >500, Deduct		*-3.98*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt		33.66	
		For >10 To 50, Deduct		*-0.40*	
		For >50 To 100, Deduct		*-1.44*	
		For >100 To 250, Deduct		*-2.89*	
		For >250 To 500, Deduct		*-4.74*	
		For >500, Deduct		*-6.58*	

06 05 23 00-0006 Framing Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2" Galvanized Framing Angle Anchor (Simpson A34)		4.84	2.30
		For >10 To 50, Deduct		*-0.22*	
		For >50 To 100, Deduct		*-0.45*	
		For >100 To 250, Deduct		*-0.90*	
		For >250 To 500, Deduct		*-1.56*	
		For >500, Deduct		*-2.23*	

06 05 23 00-0008 Joist And Beam Hangers (06 05 23)

Note: Including nails.

06 05 23 00-0009	EA	18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers		4.85	2.13
		For >10 To 50, Deduct		*-0.22*	
		For >50 To 100, Deduct		*-0.45*	
		For >100 To 250, Deduct		*-0.90*	
		For >250 To 500, Deduct		*-1.57*	
		For >500, Deduct		*-2.23*	
06 05 23 00-0010	EA	18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers		5.51	2.13
		For >10 To 50, Deduct		*-0.23*	
		For >50 To 100, Deduct		*-0.49*	
		For >100 To 250, Deduct		*-0.97*	
		For >250 To 500, Deduct		*-1.69*	
		For >500, Deduct		*-2.40*	
06 05 23 00-0011	EA	16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers		6.91	2.13
		For >10 To 50, Deduct		*-0.24*	
		For >50 To 100, Deduct		*-0.53*	
		For >100 To 250, Deduct		*-1.06*	
		For >250 To 500, Deduct		*-1.83*	
		For >500, Deduct		*-2.60*	
06 05 23 00-0012	EA	16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers		7.04	2.13
		For >10 To 50, Deduct		*-0.24*	
		For >50 To 100, Deduct		*-0.53*	
		For >100 To 250, Deduct		*-1.07*	
		For >250 To 500, Deduct		*-1.84*	
		For >500, Deduct		*-2.61*	
06 05 23 00-0013	EA	14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers		7.12	2.21
		For >10 To 50, Deduct		*-0.25*	
		For >50 To 100, Deduct		*-0.55*	
		For >100 To 250, Deduct		*-1.10*	
		For >250 To 500, Deduct		*-1.89*	
		For >500, Deduct		*-2.68*	
06 05 23 00-0014	EA	14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers		7.49	2.21
		For >10 To 50, Deduct		*-0.25*	
		For >50 To 100, Deduct		*-0.56*	
		For >100 To 250, Deduct		*-1.11*	
		For >250 To 500, Deduct		*-1.92*	
		For >500, Deduct		*-2.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0015		**Anchor And Ties** *(06 05 23)* Note: Including nails.		
06 05 23 00-0016	EA	Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS)	34.85	
06 05 23 00-0017	EA	12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4)	22.48	
06 05 23 00-0018	EA	16" Heavy Tension Tie (Simpson Strong Tie® HTT5)	32.87	
06 05 23 00-0019	EA	2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS)	2.99	
06 05 23 00-0020		**Hurricane Clips** *(06 05 23)*		
06 05 23 00-0021	EA	18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A)	2.16	
06 05 23 00-0022	EA	18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS)	5.57	
06 05 23 00-0023	EA	Hurricane Strap (Simpson Strong Tie® H6)	8.74	
06 05 23 00-0024		**Post Framing** *(06 05 23)* Note: Including nails.		
06 05 23 00-0025	EA	16 Gauge Post Framing With 4" x 4" Base	9.37	2.68
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.29*	
06 05 23 00-0026	EA	16 Gauge Post Framing With 4" x 4" Cap	7.99	2.68
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.15*	
06 05 23 00-0027		**Rafter Anchors** *(06 05 23)*		
06 05 23 00-0028	EA	1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	5.51	2.37
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.66*	
06 05 23 00-0029	EA	1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	5.66	2.37
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.67*	
06 05 23 00-0030	EA	Galvanized Rigid Rafter Connector, For 2" x 6"	7.22	2.37
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.99*	
		For >500, Deduct	*-2.83*	
06 05 23 00-0031		**Bolts And Fasteners** *(06 05 23)*		
06 05 23 00-0032		**Carriage Bolts** *(06 05 23 00-0031)* Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0033		**Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts** *(06 05 23 00-0032)*		
06 05 23 00-0034	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.30	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-5.00*	
06 05 23 00-0035	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.46	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.52*	
		For >500, Deduct	*-5.02*	
06 05 23 00-0036	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.56	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.52*	
		For >500, Deduct	*-5.03*	
06 05 23 00-0037	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.38	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-4.08*	
		For >500, Deduct	*-5.82*	
06 05 23 00-0038	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	11.49	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.80*	
		For >500, Deduct	*-5.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.52	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.09*	
		For >500, Deduct	*-5.84*	
06 05 23 00-0040	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.79	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.11*	
		For >500, Deduct	*-5.86*	
06 05 23 00-0041	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.26	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-4.93*	
		For >500, Deduct	*-7.03*	
06 05 23 00-0042	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.81	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.49*	
06 05 23 00-0043	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.10	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.36*	
		For >250 To 500, Deduct	*-5.84*	
		For >500, Deduct	*-8.33*	
06 05 23 00-0044	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.08	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.89*	
06 05 23 00-0045	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.51	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.34*	
06 05 23 00-0046	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.48	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.73*	
		For >500, Deduct	*-6.74*	
06 05 23 00-0047	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.39	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-3.05*	
		For >250 To 500, Deduct	*-5.30*	
		For >500, Deduct	*-7.55*	
06 05 23 00-0048	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.58	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.78*	
06 05 23 00-0049	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.32	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.79*	
		For >500, Deduct	*-9.66*	
06 05 23 00-0050	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.89	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.39*	
06 05 23 00-0051	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.70	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.21*	
		For >250 To 500, Deduct	*-5.55*	
		For >500, Deduct	*-7.88*	
06 05 23 00-0052	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.13	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.51*	
		For >500, Deduct	*-9.24*	
06 05 23 00-0053	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.96	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.00*	
		For >500, Deduct	*-9.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0054	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.43	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 500, Deduct	*-7.61*	
		For >500, Deduct	*-10.78*	
06 05 23 00-0055	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.84	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-11.13*	
06 05 23 00-0056		Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0032)*		
06 05 23 00-0057	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.59	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.03*	
06 05 23 00-0058	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.89	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.55*	
		For >500, Deduct	*-5.06*	
06 05 23 00-0059	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.23	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.10*	
06 05 23 00-0060	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.51	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-4.16*	
		For >500, Deduct	*-5.94*	
06 05 23 00-0061	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.90	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-3.83*	
		For >500, Deduct	*-5.47*	
06 05 23 00-0062	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.16	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 250, Deduct	*-2.38*	
		For >250 To 500, Deduct	*-4.14*	
		For >500, Deduct	*-5.90*	
06 05 23 00-0063	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.53	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.17*	
		For >500, Deduct	*-5.94*	
06 05 23 00-0064	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.39	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-7.14*	
06 05 23 00-0065	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.07	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-5.35*	
		For >500, Deduct	*-7.62*	
06 05 23 00-0066	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.28	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.42*	
		For >250 To 500, Deduct	*-5.93*	
		For >500, Deduct	*-8.44*	
06 05 23 00-0067	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.02	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-4.20*	
		For >500, Deduct	*-5.99*	
06 05 23 00-0068	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.25	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.50*	
		For >500, Deduct	*-6.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0069	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.37	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.80*	
		For >500, Deduct	*-6.83*	
06 05 23 00-0070	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.67	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-5.39*	
		For >500, Deduct	*-7.68*	
06 05 23 00-0071	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.83	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.26*	
		For >500, Deduct	*-8.91*	
06 05 23 00-0072	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.28	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.96*	
		For >250 To 500, Deduct	*-6.86*	
		For >500, Deduct	*-9.76*	
06 05 23 00-0073	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.74	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 500, Deduct	*-5.41*	
		For >500, Deduct	*-7.67*	
06 05 23 00-0074	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.69	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.31*	
		For >250 To 500, Deduct	*-5.69*	
		For >500, Deduct	*-8.08*	
06 05 23 00-0075	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.54	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.85*	
		For >250 To 500, Deduct	*-6.61*	
		For >500, Deduct	*-9.38*	
06 05 23 00-0076	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.85	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.00*	
		For >500, Deduct	*-9.91*	
06 05 23 00-0077	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.26	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-7.74*	
		For >500, Deduct	*-10.96*	
06 05 23 00-0078	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.67	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-8.14*	
		For >500, Deduct	*-11.51*	

06 05 23 00-0079 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0032)*

06 05 23 00-0080	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	11.06	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.56*	
		For >500, Deduct	*-5.08*	
06 05 23 00-0081	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.30	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-5.20*	
06 05 23 00-0082	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	13.11	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.71*	
		For >500, Deduct	*-5.28*	
06 05 23 00-0083	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.36	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 500, Deduct	*-4.90*	
		For >500, Deduct	*-6.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0084	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.97	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.91*	
		For >500, Deduct	*-5.57*	
06 05 23 00-0085	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.53	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.32*	
		For >500, Deduct	*-6.14*	
06 05 23 00-0086	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.92	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-4.35*	
		For >500, Deduct	*-6.18*	
06 05 23 00-0087	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	31.13	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.12*	
		For >500, Deduct	*-8.61*	
06 05 23 00-0088	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	38.34	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-6.87*	
		For >500, Deduct	*-9.64*	
06 05 23 00-0089	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	42.99	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.56*	
		For >250 To 500, Deduct	*-7.64*	
		For >500, Deduct	*-10.72*	
06 05 23 00-0090	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	16.98	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-4.43*	
		For >500, Deduct	*-6.28*	
06 05 23 00-0091	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.46	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.81*	
		For >250 To 500, Deduct	*-4.82*	
		For >500, Deduct	*-6.83*	
06 05 23 00-0092	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.98	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 500, Deduct	*-5.37*	
		For >500, Deduct	*-7.59*	
06 05 23 00-0093	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	39.48	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-9.76*	
06 05 23 00-0094	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	44.50	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-11.17*	
06 05 23 00-0095	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	71.61	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-6.33*	
		For >250 To 500, Deduct	*-10.41*	
		For >500, Deduct	*-14.49*	
06 05 23 00-0096	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	55.56	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-8.16*	
		For >500, Deduct	*-11.36*	
06 05 23 00-0097	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	79.48	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-6.50*	
		For >250 To 500, Deduct	*-10.58*	
		For >500, Deduct	*-14.67*	
06 05 23 00-0098	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	88.30	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-7.05*	
		For >250 To 500, Deduct	*-11.45*	
		For >500, Deduct	*-15.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0099	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	131.82	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.14*	
		For >500, Deduct	*-20.82*	
06 05 23 00-0100	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	138.72	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-4.96*	
		For >100 To 250, Deduct	*-9.92*	
		For >250 To 500, Deduct	*-15.87*	
		For >500, Deduct	*-21.82*	

06 05 23 00-0101 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0032)*

06 05 23 00-0102	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	16.78	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.99*	
		For >500, Deduct	*-5.65*	
06 05 23 00-0103	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	18.95	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-4.15*	
		For >500, Deduct	*-5.87*	
06 05 23 00-0104	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	20.45	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.47*	
		For >500, Deduct	*-6.32*	
06 05 23 00-0105	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	24.24	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-4.97*	
		For >500, Deduct	*-7.01*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	33.91	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.69*	
		For >500, Deduct	*-7.98*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	37.01	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-6.14*	
		For >500, Deduct	*-8.59*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	39.93	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.19*	

06 05 23 00-0109 Hex Lag Bolts *(06 05 23 00-0031)*

Note: Includes drilling of holes in any material.

06 05 23 00-0110 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0109)*

06 05 23 00-0111	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	9.77	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0112	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	9.91	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.81*	
06 05 23 00-0113	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	10.20	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.39*	
		For >500, Deduct	*-4.84*	
06 05 23 00-0114	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	10.84	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0115	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	11.85	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-3.96*	
		For >500, Deduct	*-5.65*	
06 05 23 00-0116	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	12.16	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.98*	
		For >500, Deduct	*-5.68*	
06 05 23 00-0117	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	15.04	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.81*	
		For >500, Deduct	*-6.86*	
06 05 23 00-0118	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	15.96	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-5.08*	
		For >500, Deduct	*-7.24*	
06 05 23 00-0119	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	12.13	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-4.00*	
		For >500, Deduct	*-5.71*	
06 05 23 00-0120	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	13.34	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 500, Deduct	*-4.30*	
		For >500, Deduct	*-6.13*	
06 05 23 00-0121	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	14.67	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.60*	
		For >500, Deduct	*-6.56*	
06 05 23 00-0122	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	16.84	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.38*	
06 05 23 00-0123	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	19.99	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.47*	
		For >250 To 500, Deduct	*-6.03*	
		For >500, Deduct	*-8.59*	
06 05 23 00-0124	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	21.81	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.79*	
		For >250 To 500, Deduct	*-6.58*	
		For >500, Deduct	*-9.37*	
06 05 23 00-0125	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	18.75	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-5.32*	
		For >500, Deduct	*-7.57*	
06 05 23 00-0126	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	22.63	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.23*	
		For >500, Deduct	*-8.86*	
06 05 23 00-0127	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	25.54	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.86*	
		For >250 To 500, Deduct	*-6.65*	
		For >500, Deduct	*-9.44*	
06 05 23 00-0128	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	29.02	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.32*	
		For >500, Deduct	*-10.39*	
06 05 23 00-0129	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	33.26	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.58*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-11.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0130		Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0109)*		
06 05 23 00-0131	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	9.84	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0132	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	10.06	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.38*	
		For >500, Deduct	*-4.83*	
06 05 23 00-0133	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	10.28	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.85*	
06 05 23 00-0134	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	10.96	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.26*	
06 05 23 00-0135	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.04	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-3.97*	
		For >500, Deduct	*-5.66*	
06 05 23 00-0136	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.39	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-4.00*	
		For >500, Deduct	*-5.70*	
06 05 23 00-0137	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	15.46	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.84*	
		For >500, Deduct	*-6.90*	
06 05 23 00-0138	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	16.67	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-5.13*	
		For >500, Deduct	*-7.32*	
06 05 23 00-0139	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.46	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-4.02*	
		For >500, Deduct	*-5.74*	
06 05 23 00-0140	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	13.52	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-4.31*	
		For >500, Deduct	*-6.14*	
06 05 23 00-0141	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.99	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.63*	
		For >500, Deduct	*-6.59*	
06 05 23 00-0142	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.81	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.47*	
06 05 23 00-0143	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.46	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.07*	
		For >500, Deduct	*-8.64*	
06 05 23 00-0144	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.97	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.84*	
		For >250 To 500, Deduct	*-6.66*	
		For >500, Deduct	*-9.49*	
06 05 23 00-0145	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.46	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-5.37*	
		For >500, Deduct	*-7.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0146	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.28	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.92*	
06 05 23 00-0147	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.62	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 500, Deduct	*-6.73*	
		For >500, Deduct	*-9.55*	
06 05 23 00-0148	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.57	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.52*	
		For >500, Deduct	*-10.65*	
06 05 23 00-0149	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	35.99	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.72*	
		For >250 To 500, Deduct	*-8.05*	
		For >500, Deduct	*-11.39*	

06 05 23 00-0150 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0109)*

06 05 23 00-0151	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	10.33	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.85*	
06 05 23 00-0152	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	10.91	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.91*	
06 05 23 00-0153	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	12.49	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.56*	
		For >500, Deduct	*-5.07*	
06 05 23 00-0154	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	12.40	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.79*	
		For >500, Deduct	*-5.40*	
06 05 23 00-0155	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.02	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.12*	
		For >500, Deduct	*-5.86*	
06 05 23 00-0156	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	15.02	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.96*	
06 05 23 00-0157	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	31.29	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-6.03*	
		For >500, Deduct	*-8.48*	
06 05 23 00-0158	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	44.31	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.21*	
		For >500, Deduct	*-10.08*	
06 05 23 00-0159	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	15.14	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-4.22*	
		For >500, Deduct	*-6.01*	
06 05 23 00-0160	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	17.99	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 500, Deduct	*-4.64*	
		For >500, Deduct	*-6.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0161	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.38	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.33*	
06 05 23 00-0162	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	47.27	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.42*	
06 05 23 00-0163	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	64.56	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 250, Deduct	*-5.70*	
		For >250 To 500, Deduct	*-9.37*	
		For >500, Deduct	*-13.05*	
06 05 23 00-0164	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	75.50	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-10.60*	
		For >500, Deduct	*-14.74*	
06 05 23 00-0165	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	70.23	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 500, Deduct	*-9.18*	
		For >500, Deduct	*-12.72*	
06 05 23 00-0166	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	80.26	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-10.55*	
		For >500, Deduct	*-14.62*	
06 05 23 00-0167	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	83.51	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-6.76*	
		For >250 To 500, Deduct	*-11.00*	
		For >500, Deduct	*-15.24*	
06 05 23 00-0168	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	116.09	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-8.61*	
		For >250 To 500, Deduct	*-13.85*	
		For >500, Deduct	*-19.10*	
06 05 23 00-0169	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	126.75	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-9.26*	
		For >250 To 500, Deduct	*-14.86*	
		For >500, Deduct	*-20.46*	

06 05 23 00-0170 Timber Bolts *(06 05 23 00-0031)*

Note: Includes drilling of holes in any material.

06 05 23 00-0171	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	22.95	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.52*	
		For >250 To 500, Deduct	*-6.07*	
		For >500, Deduct	*-8.63*	
06 05 23 00-0172	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	25.91	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.82*	
		For >500, Deduct	*-9.68*	
06 05 23 00-0173	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	27.95	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.35*	
06 05 23 00-0174	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	30.99	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 500, Deduct	*-7.81*	
		For >500, Deduct	*-11.08*	
06 05 23 00-0175	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	32.96	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.80*	
		For >250 To 500, Deduct	*-8.26*	
		For >500, Deduct	*-11.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	34.25	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-5.01*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-12.21*	
06 05 23 00-0177	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	30.60	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.49*	
		For >500, Deduct	*-10.61*	
06 05 23 00-0178	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	32.00	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.80*	
		For >500, Deduct	*-11.06*	
06 05 23 00-0179	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	35.30	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.85*	
06 05 23 00-0180	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	37.83	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.85*	
		For >500, Deduct	*-12.54*	
06 05 23 00-0181	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	40.58	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-13.24*	

06 05 23 00-0182 Supports *(06 05 23)*

06 05 23 00-0183 Shear Plates *(06 05 23 00-0182)*

06 05 23 00-0184	EA	2-5/8" Diameter, Shear Plate	7.94	2.83
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-3.34*	
06 05 23 00-0185	EA	4" Diameter, Shear Plate	10.30	2.98
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.69*	

06 05 23 00-0186 Sill Anchors *(06 05 23 00-0182)*

06 05 23 00-0187	EA	Sill Anchor Embedded In Concrete	7.07	2.98
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.36*	
		For >500, Deduct	*-3.36*	

06 05 23 00-0188 Spike Grids *(06 05 23 00-0182)*

06 05 23 00-0189	EA	4" x 4" Flat Or Curved Spike Grid	6.93	2.83
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.24*	

06 05 23 00-0190 Split Rings *(06 05 23 00-0182)*

06 05 23 00-0191	EA	2-1/2" Diameter Split Ring	7.28	2.83
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.27*	
06 05 23 00-0192	EA	4" Diameter Split Ring	8.48	3.13
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.63*	

06 05 23 00-0193 Toothed Rings *(06 05 23 00-0182)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0194	EA	2-5/8" Or 4" Toothed Ring	8.61	2.83
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.41*	

06 05 23 00-0195 Straps And Shields *(06 05 23)*

06 05 23 00-0196 Shield Plate *(06 05 23 00-0195)*

06 05 23 00-0197	EA	5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	5.46	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.99*	
06 05 23 00-0198	EA	5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	8.31	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.36*	

06 05 23 00-0199 Strap Ties *(06 05 23 00-0195)*

06 05 23 00-0200	EA	1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9)	2.12	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.56*	
06 05 23 00-0201	EA	1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12)	2.18	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.57*	
06 05 23 00-0202	EA	1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15)	2.89	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.73*	
06 05 23 00-0203	EA	1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18)	3.05	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.74*	
06 05 23 00-0204	EA	1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21)	3.19	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.76*	
06 05 23 00-0205	EA	1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24)	3.73	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.90*	
06 05 23 00-0206	EA	1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30)	4.13	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.94*	
06 05 23 00-0207	EA	1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36)	4.92	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.11*	
06 05 23 00-0208	EA	1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9)	2.18	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.57*	
06 05 23 00-0209	EA	1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12)	2.37	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0210	EA	1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15)	3.01	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.74*	
06 05 23 00-0211	EA	1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18)	3.23	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.76*	
06 05 23 00-0212	EA	1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21)	3.44	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.78*	
06 05 23 00-0213	EA	1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24)	4.05	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.93*	
06 05 23 00-0214	EA	1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30)	4.37	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.97*	
06 05 23 00-0215	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36)	5.30	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.15*	
06 05 23 00-0216	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49)	6.88	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0217	EA	1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9)	2.44	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.60*	
06 05 23 00-0218	EA	1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12)	2.67	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.62*	
06 05 23 00-0219	EA	1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18)	3.61	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.80*	
06 05 23 00-0220	EA	1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22)	4.70	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-1.00*	
06 05 23 00-0221	EA	1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	3.11	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.66*	
06 05 23 00-0222	EA	1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	3.29	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.68*	
06 05 23 00-0223	EA	1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	4.48	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.89*	
06 05 23 00-0224	EA	2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	8.06	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0225	EA	2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37)	10.92	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0226	EA	2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48)	14.46	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.15*	
06 05 23 00-0227	EA	2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60)	20.97	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.89*	
06 05 23 00-0228	EA	2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72)	27.06	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.58*	
06 05 23 00-0229	EA	3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28)	8.65	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0230	EA	3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	11.77	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.79*	
06 05 23 00-0231	EA	3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	14.70	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-2.17*	
06 05 23 00-0232	EA	3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66)	21.43	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.93*	

06 05 23 00-0233 Twist Strap Ties *(06 05 23 00-0195)*

06 05 23 00-0234	EA	1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9)	2.75	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.63*	
06 05 23 00-0235	EA	1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12)	3.19	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.67*	
06 05 23 00-0236	EA	1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18)	4.31	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0237	EA	1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22)	5.11	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.04*	

06 05 23 00-0238 Retrofit Plate Strap *(06 05 23 00-0195)*

06 05 23 00-0239	EA	1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18)	3.82	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.82*	
06 05 23 00-0240	EA	1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22)	4.23	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0241	EA	1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28)	4.86	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.93*	

06 05 23 00-0242 Stud Shoe *(06 05 23 00-0195)*

06 05 23 00-0243	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5)	7.09	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.24*	
06 05 23 00-0244	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5)	10.73	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.60*	
06 05 23 00-0245	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3)	11.77	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0246	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5)	15.25	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.05*	

06 05 23 00-0247 Nail Stops *(06 05 23 00-0195)*

06 05 23 00-0248	EA	1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1)	1.98	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.55*	
06 05 23 00-0249	EA	1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2)	2.30	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.58*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	442.34	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	111.36	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	3.36	1.30
		For Each Additional 2" x_" In The Built Up Member, Add	*0.69*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	4.25	1.53
		For Each Additional 2" x_" In The Built Up Member, Add	*0.97*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	5.46	1.84
		For Each Additional 2" x_" In The Built Up Member, Add	*1.35*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	3.36	1.30
		For Each Additional 2" x_" In The Built Up Member, Add	*0.69*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	4.25	1.53
		For Each Additional 2" x_" In The Built Up Member, Add	*0.97*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	5.46	1.84
		For Each Additional 2" x_" In The Built Up Member, Add	*1.35*	

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	1.91	0.92
		For Selectively Replaced Wood, Add	*1.85*	
06 11 16 00-0004	LF	2" x 8" Wood Rafter	2.27	1.00
		For Selectively Replaced Wood, Add	*1.95*	
06 11 16 00-0005	LF	2" x 10" Wood Rafter	3.27	1.46
		For Selectively Replaced Wood, Add	*2.88*	
06 11 16 00-0006	LF	2" x 12" Wood Rafter	3.78	1.62
		For Selectively Replaced Wood, Add	*3.23*	
06 11 16 00-0007	LF	2" x 14" Wood Rafter	4.13	1.77
		For Selectively Replaced Wood, Add	*3.47*	
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	2.18	0.92
		For Selectively Replaced Wood, Add	*1.85*	
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	2.63	1.00
		For Selectively Replaced Wood, Add	*1.95*	
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	3.57	1.46
		For Selectively Replaced Wood, Add	*2.88*	
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	4.30	1.62
		For Selectively Replaced Wood, Add	*3.23*	

06 11 16 00-0012 Joists *(06 11 16 00-0001)*

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	1.68	0.77
		For Selectively Replaced Wood, Add	*1.50*	
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	2.12	0.84
		For Selectively Replaced Wood, Add	*1.73*	
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	2.73	1.08
		For Selectively Replaced Wood, Add	*2.07*	
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	3.25	1.23
		For Selectively Replaced Wood, Add	*2.43*	
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	3.59	1.30
		For Selectively Replaced Wood, Add	*2.66*	
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	1.95	0.77
		For Selectively Replaced Wood, Add	*1.50*	
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	2.48	0.84
		For Selectively Replaced Wood, Add	*1.73*	
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	3.03	1.08
		For Selectively Replaced Wood, Add	*2.07*	
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	3.77	1.23
		For Selectively Replaced Wood, Add	*2.43*	

06 11 16 00-0022 Purlins *(06 11 16 00-0001)*

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin	1.33	0.46
06 11 16 00-0024	LF	2" x 6" Wood Purlin	1.70	0.51
06 11 16 00-0025	LF	2" x 8" Wood Purlin	2.09	0.56
06 11 16 00-0026	LF	2" x 10" Wood Purlin	2.58	0.61
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	1.49	0.46
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	1.97	0.51
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	2.45	0.56
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	2.88	0.61

06 11 16 00-0031 Exposed Rafters Or Joists *(06 11 16 00-0001)*

06 11 16 00-0032 Redwood Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	2.69	0.77
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	3.29	0.84
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	4.11	1.08
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	5.01	1.23

06 11 16 00-0037 Cedar Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	1.69	0.77
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	1.89	0.84
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	2.16	1.08
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	2.45	1.23

06 11 16 00-0042 Oak Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	2.10	0.77
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	2.92	0.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	3.82	1.08
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	4.73	1.23
06 11 16 00-0047		**Framing** *(06 11 16)*		
06 11 16 00-0048		**Partition Framing** *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.29	0.61
		For Selectively Replaced Wood, Add	*1.32*	
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	1.60	0.65
		For Selectively Replaced Wood, Add	*1.38*	
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	1.93	0.69
		For Selectively Replaced Wood, Add	*1.44*	
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	1.45	0.61
		For Selectively Replaced Wood, Add	*1.32*	
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	1.87	0.65
		For Selectively Replaced Wood, Add	*1.38*	
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	2.29	0.69
		For Selectively Replaced Wood, Add	*1.44*	
06 11 16 00-0055		**Wall Framing Assemblies By The SF** *(06 11 16 00-0047)* Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" Wood Wall Framing At 12" On Center	1.69	0.74
		For Up To 200, Add	*0.56*	
		For >200 To 500, Add	*0.28*	
06 11 16 00-0058	SF	2" x 6" Wood Wall Framing At 12" On Center	2.28	0.96
		For Up To 200, Add	*0.74*	
		For >200 To 500, Add	*0.37*	
06 11 16 00-0059	SF	2" x 8" Wood Wall Framing At 12" On Center	3.05	1.27
		For Up To 200, Add	*0.98*	
		For >200 To 500, Add	*0.49*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" Wood Wall Framing At 16" On Center	1.37	0.60
		For Up To 200, Add	*0.45*	
		For >200 To 500, Add	*0.23*	
06 11 16 00-0062	SF	2" x 6" Wood Wall Framing At 16" On Center	1.90	0.79
		For Up To 200, Add	*0.61*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0063	SF	2" x 8" Wood Wall Framing At 16" On Center	2.53	1.06
		For Up To 200, Add	*0.82*	
		For >200 To 500, Add	*0.41*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" Wood Wall Framing At 24" On Center	1.08	0.47
		For Up To 200, Add	*0.35*	
		For >200 To 500, Add	*0.18*	
06 11 16 00-0066	SF	2" x 6" Wood Wall Framing At 24" On Center	1.49	0.62
		For Up To 200, Add	*0.48*	
		For >200 To 500, Add	*0.24*	
06 11 16 00-0067	SF	2" x 8" Wood Wall Framing At 24" On Center	1.99	0.82
		For Up To 200, Add	*0.64*	
		For >200 To 500, Add	*0.32*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)* Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	2.14	1.15
		For Selectively Replaced Wood, Add	*2.60*	
06 11 16 00-0071	LF	2" x 6" Wood Sill	2.60	1.30
		For Selectively Replaced Wood, Add	*2.88*	
06 11 16 00-0072	LF	2" x 8" Wood Sill	3.13	1.46
		For Selectively Replaced Wood, Add	*3.24*	
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	2.30	1.15
		For Selectively Replaced Wood, Add	*2.60*	
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	2.87	1.30
		For Selectively Replaced Wood, Add	*2.88*	
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	3.49	1.46
		For Selectively Replaced Wood, Add	*3.24*	
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)* Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	2.14	1.15
		For Selectively Replaced Wood, Add	*2.60*	
06 11 16 00-0078	LF	2" x 6" Wood Plate	2.60	1.30
		For Selectively Replaced Wood, Add	*2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0079	LF	2" x 8" Wood Plate	3.12	1.46
		For Selectively Replaced Wood, Add	*3.23*	
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	2.30	1.15
		For Selectively Replaced Wood, Add	*2.60*	
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	2.87	1.30
		For Selectively Replaced Wood, Add	*2.88*	
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	3.48	1.46
		For Selectively Replaced Wood, Add	*3.23*	

06 11 16 00-0083 Suspended Ceiling Framing *(06 11 16)*

06 11 16 00-0084	LF	1" x 2" Wood Suspended Ceiling Framing	1.72	1.00
06 11 16 00-0085	LF	1" x 3" Wood Suspended Ceiling Framing	1.90	1.08
06 11 16 00-0086	LF	2" x 2" Wood Suspended Ceiling Framing	2.06	1.15
06 11 16 00-0087	LF	2" x 4" Wood Suspended Ceiling Framing	2.44	1.30
06 11 16 00-0088	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.87	1.00
06 11 16 00-0089	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	1.89	1.08
06 11 16 00-0090	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.20	1.15
06 11 16 00-0091	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	2.56	1.30

06 11 16 00-0092 Posts And Girts *(06 11 16)*

06 11 16 00-0093 Posts *(06 11 16 00-0092)*

Note: A vertical, upright framing member.

06 11 16 00-0094	LF	4" x 4" Wood Post	3.04	1.46
06 11 16 00-0095	LF	4" x 5" Wood Post	3.47	1.69
06 11 16 00-0096	LF	4" x 6" Wood Post	3.81	1.84
06 11 16 00-0097	LF	6" x 6" Wood Post	4.25	1.99
06 11 16 00-0098	LF	8" x 8" Wood Post	4.67	2.07
06 11 16 00-0099	LF	10" x 10" Wood Post	5.11	2.38
06 11 16 00-0100	LF	4" x 4" Pressure Treated Wood Post	3.67	1.46
06 11 16 00-0101	LF	3" x 6" Pressure Treated Wood Post	4.14	1.84
06 11 16 00-0102	LF	4" x 6" Pressure Treated Wood Post	4.74	1.84
06 11 16 00-0103	LF	6" x 6" Pressure Treated Wood Post	6.02	1.99

06 11 16 00-0104 Girts *(06 11 16 00-0092)*

Note: A horizontal member at intermediate level between columns, studs, or posts.

06 11 16 00-0105	LF	2" x 4" Wood Girt	1.52	0.55
06 11 16 00-0106	LF	2" x 6" Wood Girt	1.89	0.61
06 11 16 00-0107	LF	2" x 8" Wood Girt	2.31	0.67
06 11 16 00-0108	LF	2" x 10" Wood Girt	2.82	0.74
06 11 16 00-0109	LF	4" x 4" Wood Girt	2.94	1.11
06 11 16 00-0110	LF	4" x 5" Wood Girt	3.37	1.24
06 11 16 00-0111	LF	4" x 6" Wood Girt	3.79	1.38
06 11 16 00-0112	LF	6" x 6" Wood Girt	4.23	1.52
06 11 16 00-0113	LF	8" x 8" Wood Girt	4.65	1.66
06 11 16 00-0114	LF	10" x 10" Wood Girt	5.09	1.81
06 11 16 00-0115	LF	2" x 4" Pressure Treated Wood Girt	1.68	0.55
06 11 16 00-0116	LF	2" x 6" Pressure Treated Wood Girt	2.16	0.61
06 11 16 00-0117	LF	2" x 8" Pressure Treated Wood Girt	2.67	0.67
06 11 16 00-0118	LF	2" x 10" Pressure Treated Wood Girt	3.12	0.74
06 11 16 00-0119	LF	4" x 4" Pressure Treated Wood Girt	3.67	1.11
06 11 16 00-0120	LF	3" x 6" Pressure Treated Wood Girt	4.14	1.38
06 11 16 00-0121	LF	4" x 6" Pressure Treated Wood Girt	4.74	1.38
06 11 16 00-0122	LF	6" x 6" Pressure Treated Wood Girt	6.02	1.52

06 11 16 00-0123 Stair Stringers *(06 11 16)*

06 11 16 00-0124	LF	2" x 10" Wood Stair Stringer	5.92	3.07
06 11 16 00-0125	LF	2" x 12" Wood Stair Stringer	7.03	3.61
06 11 16 00-0126	LF	2" x 10" Pressure Treated Wood Stair Stringer	6.25	3.07
06 11 16 00-0127	LF	2" x 12" Pressure Treated Wood Stair Stringer	7.53	3.61

06 11 16 00-0128 Blocking *(06 11 16)*

06 11 16 00-0129 Blocking *(06 11 16 00-0128)*

06 11 16 00-0130 Blocking To Wood *(06 11 16 00-0129)*

06 11 16 00-0131	LF	2" x 4" Pressure Treated Wood Blocking To Wood	4.52	1.85
06 11 16 00-0132	LF	2" x 6" Pressure Treated Wood Blocking To Wood	5.44	2.03
06 11 16 00-0133	LF	2" x 8" Pressure Treated Wood Blocking To Wood	6.25	2.23
06 11 16 00-0134	LF	4" x 4" Pressure Treated Wood Blocking To Wood	7.31	2.46
06 11 16 00-0135	LF	4" x 6" Pressure Treated Wood Blocking To Wood	7.83	2.70
06 11 16 00-0136	LF	2" x 4" Wood Blocking To Wood	4.11	1.85
06 11 16 00-0137	LF	2" x 6" Wood Blocking To Wood	4.75	2.03
06 11 16 00-0138	LF	2" x 8" Wood Blocking To Wood	5.45	2.23
06 11 16 00-0139	LF	4" x 4" Wood Blocking To Wood	5.76	2.46
06 11 16 00-0140	LF	4" x 6" Wood Blocking To Wood	6.46	2.70

06 11 16 00-0141 Blocking To Steel *(06 11 16 00-0129)*

06 11 16 00-0142	LF	2" x 4" Pressure Treated Wood Blocking To Steel	5.15	2.12
06 11 16 00-0143	LF	2" x 6" Pressure Treated Wood Blocking To Steel	6.19	2.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0144	LF	2" x 8" Pressure Treated Wood Blocking To Steel	7.09	2.57
06 11 16 00-0145	LF	2" x 4" Wood Blocking To Steel	4.70	2.12
06 11 16 00-0146	LF	2" x 6" Wood Blocking To Steel	5.43	2.35
06 11 16 00-0147	LF	2" x 8" Wood Blocking To Steel	6.22	2.57
06 11 16 00-0148		**Blocking To Concrete** *(06 11 16 00-0129)*		
06 11 16 00-0149	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	5.15	2.12
06 11 16 00-0150	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	6.19	2.35
06 11 16 00-0151	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	7.09	2.57
06 11 16 00-0152	LF	2" x 4" Wood Blocking To Concrete	4.70	2.12
06 11 16 00-0153	LF	2" x 6" Wood Blocking To Concrete	5.43	2.35
06 11 16 00-0154	LF	2" x 8" Wood Blocking To Concrete	6.22	2.57
06 11 16 00-0155		**Pressure Treated Lattice** *(06 11 16 00-0128)*		
06 11 16 00-0156	SF	3/4" Thick Pressure Treated Wood Lattice	5.16	1.62
06 11 16 00-0157		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0158	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	2.34	0.61
06 11 16 00-0159	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	2.79	0.65
06 11 16 00-0160	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	3.25	0.69
06 11 16 00-0161		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0162	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.15	
06 11 16 00-0163	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	2.58	
06 11 16 00-0164	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	3.36	
06 11 16 00-0165	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	4.50	
06 11 16 00-0166		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0167		**Wood And Steel Bridging** *(06 11 16 00-0166)*		
06 11 16 00-0168		**Wood Bridging** *(06 11 16 00-0167)*		
06 11 16 00-0169	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	6.29	2.70
06 11 16 00-0170	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	6.51	2.70
06 11 16 00-0171		**Steel Bridging** *(06 11 16 00-0167)*		
06 11 16 00-0172	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	7.45	2.70
06 11 16 00-0173	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	7.43	2.70
06 11 16 00-0174		**Light Framing, Trim And Furring** *(06 11 16 00-0166)*		
06 11 16 00-0175		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0174)*		
06 11 16 00-0176	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.39	0.63
06 11 16 00-0177	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.57	0.69
06 11 16 00-0178	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.82	0.76
06 11 16 00-0179	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.04	0.83
06 11 16 00-0180	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.26	0.92
06 11 16 00-0181	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.50	1.02
06 11 16 00-0182	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.05	0.83
06 11 16 00-0183	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.29	0.92
06 11 16 00-0184	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.71	1.02
06 11 16 00-0185	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.20	1.12
06 11 16 00-0186	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.80	1.23
06 11 16 00-0187		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0174)*		
06 11 16 00-0188	LF	1" x 1" Cedar Light Framing, Trim And Furring	1.41	0.63
06 11 16 00-0189	LF	1" x 2" Cedar Light Framing, Trim And Furring	1.68	0.69
06 11 16 00-0190	LF	1" x 4" Cedar Light Framing, Trim And Furring	2.26	0.76
06 11 16 00-0191	LF	1" x 6" Cedar Light Framing, Trim And Furring	2.79	0.83
06 11 16 00-0192	LF	1" x 8" Cedar Light Framing, Trim And Furring	4.22	0.92
06 11 16 00-0193	LF	1" x 10" Cedar Light Framing, Trim And Furring	5.01	1.02
06 11 16 00-0194	LF	2" x 2" Cedar Light Framing, Trim And Furring	2.33	0.83
06 11 16 00-0195	LF	2" x 4" Cedar Light Framing, Trim And Furring	2.71	0.92
06 11 16 00-0196		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0174)*		
06 11 16 00-0197	LF	1" x 1" Oak Light Framing, Trim And Furring	1.42	0.63
06 11 16 00-0198	LF	1" x 2" Oak Light Framing, Trim And Furring	1.69	0.69
06 11 16 00-0199	LF	1" x 4" Oak Light Framing, Trim And Furring	2.15	0.76
06 11 16 00-0200	LF	1" x 6" Oak Light Framing, Trim And Furring	2.62	0.83
06 11 16 00-0201	LF	1" x 8" Oak Light Framing, Trim And Furring	3.10	0.92
06 11 16 00-0202	LF	1" x 10" Oak Light Framing, Trim And Furring	3.60	1.02
06 11 16 00-0203	LF	2" x 2" Oak Light Framing, Trim And Furring	2.31	0.83
06 11 16 00-0204	LF	2" x 4" Oak Light Framing, Trim And Furring	3.10	0.92

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0205		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0174)*		
06 11 16 00-0206	LF	1" x 1" Redwood Light Framing, Trim And Furring	1.37	0.63
06 11 16 00-0207	LF	1" x 2" Redwood Light Framing, Trim And Furring	1.61	0.69
06 11 16 00-0208	LF	1" x 4" Redwood Light Framing, Trim And Furring	2.00	0.76
06 11 16 00-0209	LF	1" x 6" Redwood Light Framing, Trim And Furring	2.43	0.83
06 11 16 00-0210	LF	1" x 8" Redwood Light Framing, Trim And Furring	2.90	0.92
06 11 16 00-0211	LF	1" x 10" Redwood Light Framing, Trim And Furring	3.42	1.02
06 11 16 00-0212	LF	2" x 2" Redwood Light Framing, Trim And Furring	2.45	0.83
06 11 16 00-0213	LF	2" x 4" Redwood Light Framing, Trim And Furring	2.92	0.92
06 11 16 00-0214		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0174)*		
06 11 16 00-0215	LF	1" x 1" Poplar Light Framing, Trim And Furring	1.64	0.63
06 11 16 00-0216	LF	1" x 2" Poplar Light Framing, Trim And Furring	2.02	0.69
06 11 16 00-0217	LF	1" x 4" Poplar Light Framing, Trim And Furring	2.58	0.76
06 11 16 00-0218	LF	1" x 6" Poplar Light Framing, Trim And Furring	3.34	0.83
06 11 16 00-0219	LF	1" x 8" Poplar Light Framing, Trim And Furring	3.89	0.92
06 11 16 00-0220	LF	1" x 10" Poplar Light Framing, Trim And Furring	5.20	1.02
06 11 16 00-0221	LF	1" x 12" Poplar Light Framing, Trim And Furring	5.65	1.02
06 11 16 00-0222	LF	2" x 2" Poplar Light Framing, Trim And Furring	4.47	0.83
06 11 16 00-0223	LF	2" x 4" Poplar Light Framing, Trim And Furring	5.01	0.92
06 11 16 00-0224	LF	2" x 6" Poplar Light Framing, Trim And Furring	6.78	1.02
06 11 16 00-0225		**Maple Light Framing, Trim And Furring** *(06 11 16 00-0174)*		
06 11 16 00-0226	LF	1" x 4" Maple Light Framing, Trim And Furring	3.73	0.76
06 11 16 00-0227	LF	1" x 6" Maple Light Framing, Trim And Furring	5.12	0.83
06 11 16 00-0228	LF	1" x 8" Maple Light Framing, Trim And Furring	6.53	0.92

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	4.55	1.36
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	5.60	1.42
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	6.62	1.47
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	8.71	1.58
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	10.41	1.67
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	7.17	1.53
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	8.68	1.62
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	11.80	1.73
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	14.14	1.77
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	10.66	1.67
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	14.58	1.73
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	17.72	1.77
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	17.51	1.77
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	21.50	1.92
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	25.42	2.11
06 13 23 00-0019		**Douglas Fir, Heavy Timber Beams** *(06 13 23 00-0002)*		
06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	4.74	1.36
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	5.87	1.42
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	6.99	1.47
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	9.27	1.58
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	11.11	1.67
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	7.58	1.53
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	9.22	1.62
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	12.63	1.73
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	15.20	1.77
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	11.39	1.67
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	15.69	1.73
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	19.14	1.77
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	18.89	1.77
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	23.25	1.92
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	27.53	2.11
06 13 23 00-0035		**Pressure Treated, Heavy Timber Beams** *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	4.84	1.36
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	6.21	1.42
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	7.40	1.47
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	9.88	1.58
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	11.89	1.67
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	8.72	1.53
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	10.77	1.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	12.98	1.73
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	16.04	1.77
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	16.22	1.67
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	18.92	1.73
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	22.35	1.77
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	22.45	1.77
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	29.85	1.92
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	35.46	2.11
06 13 23 00-0051		Heavy Timber Columns *(06 13 23 00-0001)*		
06 13 23 00-0052		Pine, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	3.26	0.72
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	4.26	0.76
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	5.21	0.78
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	7.22	0.83
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	8.83	0.88
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	5.73	0.80
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	7.18	0.83
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	10.16	0.90
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	12.46	0.92
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	9.08	0.88
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	12.94	0.90
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	16.01	0.95
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	15.80	0.95
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	19.68	1.01
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	23.42	1.11
06 13 23 00-0068		Douglas Fir, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	3.45	0.72
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	4.53	0.76
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	5.58	0.78
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	7.78	0.83
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	9.53	0.88
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	6.14	0.80
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	7.72	0.83
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	10.99	0.90
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	13.52	0.92
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	9.81	0.88
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	14.05	0.90
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	17.43	0.95
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	17.18	0.95
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	21.43	1.01
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	25.53	1.11
06 13 23 00-0084		Pressure Treated, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	3.55	0.72
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	4.87	0.76
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	5.99	0.78
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	8.39	0.83
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	10.31	0.88
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	7.28	0.80
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	9.27	0.83
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	11.34	0.90
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	14.36	0.92
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	14.64	0.88
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	17.28	0.90
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	20.64	0.95
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	20.74	0.95
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	28.03	1.01
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	33.46	1.11

06 16 Sheathing *(06 10)*

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

06 16 33 00-0003	SF	1/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.38	0.39
		For Shear Wall Construction, Add	*0.18*	
		For Exterior CC Grade Plywood, Add	*0.07*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.18*	
		For ACQ Preservative Treatment, Add	*0.23*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.35*	
		For Fire Retardant Treatment, Add	*0.38*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0004	SF	3/8" Thick CDX Plywood Roof Decking	1.40	0.39
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.18*	
		For Exterior CC Grade Plywood, Add	*0.08*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.18*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.35*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
06 16 33 00-0005	SF	1/2" Thick CDX Plywood Roof Decking	1.60	0.46
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.20*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.20*	
		For ACQ Preservative Treatment, Add	*0.29*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.49*	
		For Fire Retardant Treatment, Add	*0.48*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	
06 16 33 00-0006	SF	5/8" Thick CDX Plywood Roof Decking	1.79	0.46
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.21*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.21*	
		For ACQ Preservative Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.59*	
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.14*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0007	SF	3/4" Thick CDX Plywood Roof Decking	2.00	0.54
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.23*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.23*	
		For ACQ Preservative Treatment, Add	*0.41*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.73*	
		For Fire Retardant Treatment, Add	*0.67*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
		For Tongue And Groove, Add	*0.06*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	1.65	0.54
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.23*	
		For Exterior CC Grade Plywood, Add	*0.08*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.23*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.73*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.12*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	1.67	0.54
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.23*	
		For Exterior CC Grade Plywood, Add	*0.08*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.23*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.73*	
		For Fire Retardant Treatment, Add	*0.41*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	1.72	0.61
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.23*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.23*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.73*	
		For Fire Retardant Treatment, Add	*0.45*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	1.93	0.61
		For Shear Wall Construction, Add	*0.24*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.83*	
		For Fire Retardant Treatment, Add	*0.56*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.14	0.69
		For Shear Wall Construction, Add	*0.26*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.26*	
		For Ceiling Installation, Add	*0.13*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.97*	
		For Fire Retardant Treatment, Add	*0.66*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.37	0.77
		For Shear Wall Construction, Add	*0.28*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.28*	
		For Ceiling Installation, Add	*0.14*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.13*	
		For Fire Retardant Treatment, Add	*0.75*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0015		**Floor Decking** *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.22	0.46
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.29*	
		For Fire Retardant Treatment, Add	*0.28*	
		For >1,696 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
		For ACQ Preservative Treatment, Add	*0.17*	
		For Fir Plywood, Add	*0.07*	
		For BC Grade Plywood, Add	*0.05*	
		For Exterior Glue, Add	*0.03*	
		For Marine Grade, Add	*0.28*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.32	0.46
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.37*	
		For Fire Retardant Treatment, Add	*0.32*	
		For >1,696 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.07*	
		For >12,800, Deduct	*-0.09*	
		For ACQ Preservative Treatment, Add	*0.20*	
		For Fir Plywood, Add	*0.08*	
		For BC Grade Plywood, Add	*0.06*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.32*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.50	0.46
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.44*	
		For Fire Retardant Treatment, Add	*0.43*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For ACQ Preservative Treatment, Add	*0.26*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.42*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.68	0.46
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.58*	
		For Fire Retardant Treatment, Add	*0.50*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.30*	
		For Fir Plywood, Add	*0.12*	
		For BC Grade Plywood, Add	*0.09*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking	1.92	0.46
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.67*	
		For Fire Retardant Treatment, Add	*0.64*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.15*	
		For ACQ Preservative Treatment, Add	*0.39*	
		For Fir Plywood, Add	*0.15*	
		For BC Grade Plywood, Add	*0.12*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.63*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking	2.85	0.69
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.98*	
		For Fire Retardant Treatment, Add	*1.21*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.25*	
		For ACQ Preservative Treatment, Add	*0.73*	
		For Fir Plywood, Add	*0.28*	
		For BC Grade Plywood, Add	*0.23*	
		For Exterior Glue, Add	*0.14*	
		For Marine Grade, Add	*1.20*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking	1.83	0.46
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.44*	
		For Fire Retardant Treatment, Add	*0.69*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.15*	
		For ACQ Preservative Treatment, Add	*0.42*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.68*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking	2.04	0.46
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.58*	
		For Fire Retardant Treatment, Add	*0.78*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.17*	
		For ACQ Preservative Treatment, Add	*0.48*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.78*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking	2.18	0.46
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.67*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.51*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.84*	
		For Tongue And Groove, Add	*0.07*	

06 16 33 00-0025 Oriented Strand Board *(06 16 33)*

06 16 33 00-0026 On Roof *(06 16 33 00-0025)*

06 16 33 00-0027	SF	3/8" Thick Structural Oriented Strand Board On Roof	1.16	0.46
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.08*	
		For Fire Retardant Treatment, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.35*	
06 16 33 00-0028	SF	1/2" Thick Structural Oriented Strand Board On Roof	1.29	0.46
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
		For Fire Retardant Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.49*	
06 16 33 00-0029	SF	5/8" Thick Structural Oriented Strand Board On Roof	1.49	0.54
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.07*	
		For >12,800, Deduct	*-0.10*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0030	SF	3/4" Thick Structural Oriented Strand Board On Roof	1.73	0.54
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.46*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.73*	

06 16 33 00-0031 On Walls *(06 16 33 00-0025)*

06 16 33 00-0032	SF	3/8" Thick Structural Oriented Strand Board On Walls	1.41	0.54
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
		For Fire Retardant Treatment, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.73*	
06 16 33 00-0033	SF	1/2" Thick Structural Oriented Strand Board On Walls	1.52	0.61
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.10*	
		For Fire Retardant Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.83*	
06 16 33 00-0034	SF	5/8" Thick Structural Oriented Strand Board On Walls	1.74	0.69
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.12*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.97*	
06 16 33 00-0035	SF	3/4" Thick Structural Oriented Strand Board On Walls	2.00	0.69
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.46*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.13*	

06 16 33 00-0036 On Floors *(06 16 33 00-0025)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0037	SF	3/8" Thick Structural Oriented Strand Board On Floors	1.18	0.46
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.08*	
		For Fire Retardant Treatment, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.38*	
06 16 33 00-0038	SF	1/2" Thick Structural Oriented Strand Board On Floors	1.41	0.54
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
		For Fire Retardant Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.67*	
06 16 33 00-0039	SF	5/8" Thick Structural Oriented Strand Board On Floors	1.63	0.61
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.80*	
06 16 33 00-0040	SF	3/4" Thick Structural Oriented Strand Board On Floors	1.89	0.69
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.46*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.97*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.18	0.61
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For Ceiling Installation, Add	*0.12*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.18*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.35	0.77
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.26*	
		For Ceiling Installation, Add	*0.13*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.19*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*1.97*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	5.64	1.33
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	6.21	1.35
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	6.87	1.37
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	7.70	1.39
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	8.35	1.41
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	9.22	1.46
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	10.49	1.49
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	14.45	1.69

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	1.95	0.61
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	2.67	0.65

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	3.54	0.90
		For I-Joists 30' To 40' In Length, Add	*0.39*	
		For I-Joists >40' In Length, Add	*0.96*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	3.80	0.99
		For I-Joists 30' To 40' In Length, Add	*0.44*	
		For I-Joists >40' In Length, Add	*1.07*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.46	1.12
		For I-Joists 30' To 40' In Length, Add	*0.49*	
		For I-Joists >40' In Length, Add	*1.20*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.03	1.24
		For I-Joists 30' To 40' In Length, Add	*0.55*	
		For I-Joists >40' In Length, Add	*1.34*	

06 17 43 Rim Boards *(06 17)*

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board *(06 17 43)*

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	4.50	1.37
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	4.94	1.39
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	5.49	1.41

06 17 53 Shop-Fabricated Wood Trusses *(06 17)*

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses *(06 17 53)*

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	136.52	52.08
		For Up To 15, Add	*2.43*	
		For >35, Deduct	*-1.62*	
		For 5 To 12 Slope, Add	*2.59*	
		For 6 To 12 Slope, Add	*4.85*	
		For 7 In 12 Slope, Add	*6.47*	
		For 8 To 12 Slope, Add	*7.76*	
		For 3 In 12 Slope, Add	*0.97*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	151.87	57.05
		For Up To 15, Add	*2.83*	
		For >35, Deduct	*-1.89*	
		For 5 To 12 Slope, Add	*3.02*	
		For 6 To 12 Slope, Add	*5.67*	
		For 7 In 12 Slope, Add	*7.55*	
		For 8 To 12 Slope, Add	*9.06*	
		For 3 In 12 Slope, Add	*1.13*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	169.46	62.01
		For Up To 15, Add	*3.41*	
		For >35, Deduct	*-2.27*	
		For 5 To 12 Slope, Add	*3.64*	
		For 6 To 12 Slope, Add	*6.82*	
		For 7 In 12 Slope, Add	*9.09*	
		For 8 To 12 Slope, Add	*10.91*	
		For 3 In 12 Slope, Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	193.01	66.97
		For Up To 15, Add	*4.43*	
		For >35, Deduct	*-2.95*	
		For 5 To 12 Slope, Add	*4.73*	
		For 6 To 12 Slope, Add	*8.86*	
		For 7 In 12 Slope, Add	*11.81*	
		For 8 To 12 Slope, Add	*14.18*	
		For 3 In 12 Slope, Add	*1.77*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	213.13	71.93
		For Up To 15, Add	*5.20*	
		For >35, Deduct	*-3.46*	
		For 5 To 12 Slope, Add	*5.54*	
		For 6 To 12 Slope, Add	*10.39*	
		For 7 In 12 Slope, Add	*13.85*	
		For 8 To 12 Slope, Add	*16.62*	
		For 3 In 12 Slope, Add	*2.08*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	223.43	79.37
		For Up To 15, Add	*4.85*	
		For >35, Deduct	*-3.23*	
		For 5 To 12 Slope, Add	*5.17*	
		For 6 To 12 Slope, Add	*9.70*	
		For 7 In 12 Slope, Add	*12.94*	
		For 8 To 12 Slope, Add	*15.52*	
		For 3 In 12 Slope, Add	*1.94*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	235.24	126.50
		For Up To 15, Add	*4.99*	
		For >35, Deduct	*-3.33*	
		For 5 To 12 Slope, Add	*5.33*	
		For 6 To 12 Slope, Add	*9.99*	
		For 7 In 12 Slope, Add	*13.31*	
		For 8 To 12 Slope, Add	*15.98*	
		For 3 In 12 Slope, Add	*2.00*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	250.79	89.29
		For Up To 15, Add	*5.42*	
		For >35, Deduct	*-3.61*	
		For 5 To 12 Slope, Add	*5.78*	
		For 6 To 12 Slope, Add	*10.83*	
		For 7 In 12 Slope, Add	*14.44*	
		For 8 To 12 Slope, Add	*17.33*	
		For 3 In 12 Slope, Add	*2.17*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	266.97	141.39
		For Up To 15, Add	*5.88*	
		For >35, Deduct	*-3.92*	
		For 5 To 12 Slope, Add	*6.28*	
		For 6 To 12 Slope, Add	*11.77*	
		For 7 In 12 Slope, Add	*15.69*	
		For 8 To 12 Slope, Add	*18.83*	
		For 3 In 12 Slope, Add	*2.35*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	283.96	99.22
		For Up To 15, Add	*6.41*	
		For >35, Deduct	*-4.28*	
		For 5 To 12 Slope, Add	*6.84*	
		For 6 To 12 Slope, Add	*12.83*	
		For 7 In 12 Slope, Add	*17.11*	
		For 8 To 12 Slope, Add	*20.53*	
		For 3 In 12 Slope, Add	*2.57*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	296.61	156.26
		For Up To 15, Add	*6.62*	
		For >35, Deduct	*-4.41*	
		For 5 To 12 Slope, Add	*7.06*	
		For 6 To 12 Slope, Add	*13.24*	
		For 7 In 12 Slope, Add	*17.65*	
		For 8 To 12 Slope, Add	*21.18*	
		For 3 In 12 Slope, Add	*2.65*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	310.39	106.65
		For Up To 15, Add	*7.28*	
		For >35, Deduct	*-4.85*	
		For 5 To 12 Slope, Add	*7.77*	
		For 6 To 12 Slope, Add	*14.56*	
		For 7 In 12 Slope, Add	*19.41*	
		For 8 To 12 Slope, Add	*23.30*	
		For 3 In 12 Slope, Add	*2.91*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	339.62	167.48
		For Up To 15, Add	*8.73*	
		For >35, Deduct	*-5.82*	
		For 5 To 12 Slope, Add	*9.31*	
		For 6 To 12 Slope, Add	*17.46*	
		For 7 In 12 Slope, Add	*23.28*	
		For 8 To 12 Slope, Add	*27.93*	
		For 3 In 12 Slope, Add	*3.49*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	353.74	114.10
		For Up To 15, Add	*9.42*	
		For >35, Deduct	*-6.28*	
		For 5 To 12 Slope, Add	*10.04*	
		For 6 To 12 Slope, Add	*18.83*	
		For 7 In 12 Slope, Add	*25.11*	
		For 8 To 12 Slope, Add	*30.13*	
		For 3 In 12 Slope, Add	*3.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	372.24	178.58
		For Up To 15, Add	*10.06*	
		For >35, Deduct	*-6.71*	
		For 5 To 12 Slope, Add	*10.73*	
		For 6 To 12 Slope, Add	*20.12*	
		For 7 In 12 Slope, Add	*26.82*	
		For 8 To 12 Slope, Add	*32.19*	
		For 3 In 12 Slope, Add	*4.02*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	385.04	124.01
		For Up To 15, Add	*10.28*	
		For >35, Deduct	*-6.85*	
		For 5 To 12 Slope, Add	*10.96*	
		For 6 To 12 Slope, Add	*20.55*	
		For 7 In 12 Slope, Add	*27.40*	
		For 8 To 12 Slope, Add	*32.88*	
		For 3 In 12 Slope, Add	*4.11*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	423.92	193.47
		For Up To 15, Add	*12.45*	
		For >35, Deduct	*-8.30*	
		For 5 To 12 Slope, Add	*13.28*	
		For 6 To 12 Slope, Add	*24.89*	
		For 7 In 12 Slope, Add	*33.19*	
		For 8 To 12 Slope, Add	*39.83*	
		For 3 In 12 Slope, Add	*4.98*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	462.03	133.94
		For Up To 15, Add	*14.56*	
		For >35, Deduct	*-9.71*	
		For 5 To 12 Slope, Add	*15.53*	
		For 6 To 12 Slope, Add	*29.12*	
		For 7 In 12 Slope, Add	*38.83*	
		For 8 To 12 Slope, Add	*46.59*	
		For 3 In 12 Slope, Add	*5.82*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	478.20	138.90
		For Up To 15, Add	*15.03*	
		For >35, Deduct	*-10.02*	
		For 5 To 12 Slope, Add	*16.03*	
		For 6 To 12 Slope, Add	*30.06*	
		For 7 In 12 Slope, Add	*40.08*	
		For 8 To 12 Slope, Add	*48.10*	
		For 3 In 12 Slope, Add	*6.01*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	501.94	143.86
		For Up To 15, Add	*16.07*	
		For >35, Deduct	*-10.71*	
		For 5 To 12 Slope, Add	*17.14*	
		For 6 To 12 Slope, Add	*32.13*	
		For 7 In 12 Slope, Add	*42.84*	
		For 8 To 12 Slope, Add	*51.41*	
		For 3 In 12 Slope, Add	*6.43*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	571.86	148.82
		For Up To 15, Add	*20.57*	
		For >35, Deduct	*-13.71*	
		For 5 To 12 Slope, Add	*21.94*	
		For 6 To 12 Slope, Add	*41.13*	
		For 7 In 12 Slope, Add	*54.84*	
		For 8 To 12 Slope, Add	*65.81*	
		For 3 In 12 Slope, Add	*8.23*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	542.90	133.84
		For Up To 15, Add	*18.39*	
		For >35, Deduct	*-12.26*	
		For 5 To 12 Slope, Add	*19.62*	
		For 6 To 12 Slope, Add	*36.79*	
		For 7 In 12 Slope, Add	*49.05*	
		For 8 To 12 Slope, Add	*58.86*	
		For 3 In 12 Slope, Add	*7.36*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	569.63	156.26
		For Up To 15, Add	*19.28*	
		For >35, Deduct	*-12.86*	
		For 5 To 12 Slope, Add	*20.57*	
		For 6 To 12 Slope, Add	*38.57*	
		For 7 In 12 Slope, Add	*51.42*	
		For 8 To 12 Slope, Add	*61.70*	
		For 3 In 12 Slope, Add	*7.71*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	592.18	144.85
		For Up To 15, Add	*20.23*	
		For >35, Deduct	*-13.49*	
		For 5 To 12 Slope, Add	*21.58*	
		For 6 To 12 Slope, Add	*40.46*	
		For 7 In 12 Slope, Add	*53.95*	
		For 8 To 12 Slope, Add	*64.74*	
		For 3 In 12 Slope, Add	*8.09*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	612.12	163.71
		For Up To 15, Add	*21.35*	
		For >35, Deduct	*-14.24*	
		For 5 To 12 Slope, Add	*22.78*	
		For 6 To 12 Slope, Add	*42.71*	
		For 7 In 12 Slope, Add	*56.94*	
		For 8 To 12 Slope, Add	*68.33*	
		For 3 In 12 Slope, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	624.79	166.19
		For Up To 15, Add	*21.93*	
		For >35, Deduct	*-14.62*	
		For 5 To 12 Slope, Add	*23.39*	
		For 6 To 12 Slope, Add	*43.86*	
		For 7 In 12 Slope, Add	*58.48*	
		For 8 To 12 Slope, Add	*70.18*	
		For 3 In 12 Slope, Add	*8.77*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	140.63	52.08
		For 5 To 12 Slope, Add	*2.92*	
		For 6 To 12 Slope, Add	*5.47*	
		For 7 In 12 Slope, Add	*7.29*	
		For 8 To 12 Slope, Add	*8.75*	
		For 16" On Center Gable Studs, Add	*7.29*	
		For 3 In 12 Slope, Add	*1.09*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	156.68	57.05
		For 5 To 12 Slope, Add	*3.41*	
		For 6 To 12 Slope, Add	*6.39*	
		For 7 In 12 Slope, Add	*8.52*	
		For 8 To 12 Slope, Add	*10.22*	
		For 16" On Center Gable Studs, Add	*8.52*	
		For 3 In 12 Slope, Add	*1.28*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	175.25	62.01
		For 5 To 12 Slope, Add	*4.10*	
		For 6 To 12 Slope, Add	*7.69*	
		For 7 In 12 Slope, Add	*10.25*	
		For 8 To 12 Slope, Add	*12.30*	
		For 16" On Center Gable Studs, Add	*10.25*	
		For 3 In 12 Slope, Add	*1.54*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	200.52	66.97
		For 5 To 12 Slope, Add	*5.33*	
		For 6 To 12 Slope, Add	*9.99*	
		For 7 In 12 Slope, Add	*13.32*	
		For 8 To 12 Slope, Add	*15.98*	
		For 16" On Center Gable Studs, Add	*13.32*	
		For 3 In 12 Slope, Add	*2.00*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	221.94	71.93
		For 5 To 12 Slope, Add	*6.25*	
		For 6 To 12 Slope, Add	*11.71*	
		For 7 In 12 Slope, Add	*15.62*	
		For 8 To 12 Slope, Add	*18.74*	
		For 16" On Center Gable Studs, Add	*15.62*	
		For 3 In 12 Slope, Add	*2.34*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	240.91	79.37
		For 5 To 12 Slope, Add	*6.57*	
		For 6 To 12 Slope, Add	*12.32*	
		For 7 In 12 Slope, Add	*16.43*	
		For 8 To 12 Slope, Add	*19.72*	
		For 16" On Center Gable Studs, Add	*16.43*	
		For 3 In 12 Slope, Add	*2.46*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	253.22	84.33
		For 5 To 12 Slope, Add	*6.76*	
		For 6 To 12 Slope, Add	*12.68*	
		For 7 In 12 Slope, Add	*16.91*	
		For 8 To 12 Slope, Add	*20.29*	
		For 16" On Center Gable Studs, Add	*16.91*	
		For 3 In 12 Slope, Add	*2.54*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	270.29	89.29
		For 5 To 12 Slope, Add	*7.34*	
		For 6 To 12 Slope, Add	*13.76*	
		For 7 In 12 Slope, Add	*18.34*	
		For 8 To 12 Slope, Add	*22.01*	
		For 16" On Center Gable Studs, Add	*18.34*	
		For 3 In 12 Slope, Add	*2.75*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	288.16	94.25
		For 5 To 12 Slope, Add	*7.97*	
		For 6 To 12 Slope, Add	*14.95*	
		For 7 In 12 Slope, Add	*19.93*	
		For 8 To 12 Slope, Add	*23.92*	
		For 16" On Center Gable Studs, Add	*19.93*	
		For 3 In 12 Slope, Add	*2.99*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	307.07	99.22
		For 5 To 12 Slope, Add	*8.69*	
		For 6 To 12 Slope, Add	*16.30*	
		For 7 In 12 Slope, Add	*21.73*	
		For 8 To 12 Slope, Add	*26.07*	
		For 16" On Center Gable Studs, Add	*21.73*	
		For 3 In 12 Slope, Add	*3.26*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	321.40	104.18
		For 5 To 12 Slope, Add	*9.04*	
		For 6 To 12 Slope, Add	*16.96*	
		For 7 In 12 Slope, Add	*22.61*	
		For 8 To 12 Slope, Add	*27.13*	
		For 16" On Center Gable Studs, Add	*22.61*	
		For 3 In 12 Slope, Add	*3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	337.67	106.65
		For 5 To 12 Slope, Add	*9.95*	
		For 6 To 12 Slope, Add	*18.65*	
		For 7 In 12 Slope, Add	*24.87*	
		For 8 To 12 Slope, Add	*29.84*	
		For 16" On Center Gable Studs, Add	*24.87*	
		For 3 In 12 Slope, Add	*3.73*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	372.32	111.62
		For 5 To 12 Slope, Add	*11.93*	
		For 6 To 12 Slope, Add	*22.36*	
		For 7 In 12 Slope, Add	*29.82*	
		For 8 To 12 Slope, Add	*35.78*	
		For 16" On Center Gable Studs, Add	*29.82*	
		For 3 In 12 Slope, Add	*4.47*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	389.02	114.10
		For 5 To 12 Slope, Add	*12.87*	
		For 6 To 12 Slope, Add	*24.12*	
		For 7 In 12 Slope, Add	*32.17*	
		For 8 To 12 Slope, Add	*38.60*	
		For 16" On Center Gable Studs, Add	*32.17*	
		For 3 In 12 Slope, Add	*4.82*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	409.93	119.06
		For 5 To 12 Slope, Add	*13.74*	
		For 6 To 12 Slope, Add	*25.77*	
		For 7 In 12 Slope, Add	*34.36*	
		For 8 To 12 Slope, Add	*41.23*	
		For 16" On Center Gable Studs, Add	*34.36*	
		For 3 In 12 Slope, Add	*5.15*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	434.59	124.01
		For 5 To 12 Slope, Add	*14.92*	
		For 6 To 12 Slope, Add	*27.98*	
		For 7 In 12 Slope, Add	*37.31*	
		For 8 To 12 Slope, Add	*44.77*	
		For 16" On Center Gable Studs, Add	*37.31*	
		For 3 In 12 Slope, Add	*5.60*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	483.96	128.98
		For 5 To 12 Slope, Add	*18.08*	
		For 6 To 12 Slope, Add	*33.90*	
		For 7 In 12 Slope, Add	*45.20*	
		For 8 To 12 Slope, Add	*54.24*	
		For 16" On Center Gable Studs, Add	*45.20*	
		For 3 In 12 Slope, Add	*6.78*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	532.26	133.94
		For 5 To 12 Slope, Add	*21.15*	
		For 6 To 12 Slope, Add	*39.66*	
		For 7 In 12 Slope, Add	*52.87*	
		For 8 To 12 Slope, Add	*63.45*	
		For 16" On Center Gable Studs, Add	*52.87*	
		For 3 In 12 Slope, Add	*7.93*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	550.69	138.90
		For 5 To 12 Slope, Add	*21.83*	
		For 6 To 12 Slope, Add	*40.93*	
		For 7 In 12 Slope, Add	*54.58*	
		For 8 To 12 Slope, Add	*65.49*	
		For 16" On Center Gable Studs, Add	*54.58*	
		For 3 In 12 Slope, Add	*8.19*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	579.41	143.86
		For 5 To 12 Slope, Add	*23.34*	
		For 6 To 12 Slope, Add	*43.75*	
		For 7 In 12 Slope, Add	*58.34*	
		For 8 To 12 Slope, Add	*70.01*	
		For 16" On Center Gable Studs, Add	*58.34*	
		For 3 In 12 Slope, Add	*8.75*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	632.36	148.82
		For 5 To 12 Slope, Add	*26.78*	
		For 6 To 12 Slope, Add	*50.21*	
		For 7 In 12 Slope, Add	*66.94*	
		For 8 To 12 Slope, Add	*80.33*	
		For 16" On Center Gable Studs, Add	*66.94*	
		For 3 In 12 Slope, Add	*10.04*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	646.75	153.79
		For 5 To 12 Slope, Add	*27.13*	
		For 6 To 12 Slope, Add	*50.88*	
		For 7 In 12 Slope, Add	*67.84*	
		For 8 To 12 Slope, Add	*81.40*	
		For 16" On Center Gable Studs, Add	*67.84*	
		For 3 In 12 Slope, Add	*10.18*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	668.10	156.26
		For 5 To 12 Slope, Add	*28.45*	
		For 6 To 12 Slope, Add	*53.34*	
		For 7 In 12 Slope, Add	*71.11*	
		For 8 To 12 Slope, Add	*85.34*	
		For 16" On Center Gable Studs, Add	*71.11*	
		For 3 In 12 Slope, Add	*10.67*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	695.48	161.22
		For 5 To 12 Slope, Add	*29.84*	
		For 6 To 12 Slope, Add	*55.95*	
		For 7 In 12 Slope, Add	*74.61*	
		For 8 To 12 Slope, Add	*89.53*	
		For 16" On Center Gable Studs, Add	*74.61*	
		For 3 In 12 Slope, Add	*11.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	721.15	163.71
		For 5 To 12 Slope, Add	*31.50*	
		For 6 To 12 Slope, Add	*59.06*	
		For 7 In 12 Slope, Add	*78.75*	
		For 8 To 12 Slope, Add	*94.50*	
		For 16" On Center Gable Studs, Add	*78.75*	
		For 3 In 12 Slope, Add	*11.81*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	736.78	166.19
		For 5 To 12 Slope, Add	*32.35*	
		For 6 To 12 Slope, Add	*60.66*	
		For 7 In 12 Slope, Add	*80.88*	
		For 8 To 12 Slope, Add	*97.06*	
		For 16" On Center Gable Studs, Add	*80.88*	
		For 3 In 12 Slope, Add	*12.13*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	7.27	2.10
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	9.08	2.62
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	10.91	3.15
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	11.50	3.32
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	12.72	3.67
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	14.54	4.20
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	16.37	4.71
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	16.96	4.89
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	18.19	5.24
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	19.37	5.60
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	19.99	5.77
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	21.80	6.30
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	23.63	6.82
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	25.43	7.35
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	27.26	7.87
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	11.43	3.30
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	14.28	4.13
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	17.14	4.94
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	18.08	5.22
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	19.99	5.77
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	22.84	6.59
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	25.70	7.43
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	26.65	7.69
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	28.56	8.24
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	30.46	8.80
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	31.42	9.07
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	34.27	9.89
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	37.13	10.72
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	39.98	11.53
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	42.84	12.37
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	45.68	13.19
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	21.03	6.07
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	22.20	6.41
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	24.54	7.08
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	28.04	8.09
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	31.55	9.10
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	32.70	9.45
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	35.04	10.12
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	37.38	10.79
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	38.55	11.12
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	42.06	12.14
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	45.56	13.15
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	49.07	14.16
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	52.56	15.17
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	56.07	16.19
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	27.26	7.87
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	28.78	8.30
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	31.79	9.18
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	36.34	10.50
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	40.89	11.80
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	42.39	12.24
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	45.42	13.11
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	48.46	13.99
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	49.98	14.42
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	54.52	15.73
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	59.07	17.04
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	63.61	18.36
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	68.15	19.67
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	72.69	20.98

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	3.69	1.32
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	3.79	1.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	3.88	1.25

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001 Glue Laminated Structural Units *(06 18 16)*

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	11.05	2.69
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	12.45	2.99
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	23.23	6.37
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	25.60	6.69

06 20 Finish Carpentry *(06)*

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	2.32	0.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	2.45	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	3.15	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	3.57	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0007 White Pine *(06 22 13 00-0006)*

06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	11.22	2.68
		For Birch, Add	*2.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.72*	
		For Poplar, Add	*1.48*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
		For Stain Grade Material (No Finger Joints), Add	*0.96*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	15.15	3.21
		For Birch, Add	*3.81*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.21*	
		For Poplar, Add	*2.11*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
		For Stain Grade Material (No Finger Joints), Add	*1.37*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	5.27	1.83
		For Birch, Add	*0.80*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.30*	
		For Poplar, Add	*0.44*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.70*	
		For Stain Grade Material (No Finger Joints), Add	*0.29*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	6.07	1.83
		For Birch, Add	*1.08*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.66*	
		For Poplar, Add	*0.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.70*	
		For Stain Grade Material (No Finger Joints), Add	*0.39*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	7.98	2.30
		For Birch, Add	*1.50*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.26*	
		For Poplar, Add	*0.83*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
		For Stain Grade Material (No Finger Joints), Add	*0.54*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	9.30	2.30
		For Birch, Add	*1.98*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.85*	
		For Poplar, Add	*1.10*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
		For Stain Grade Material (No Finger Joints), Add	*0.71*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	11.60	2.75
		For Birch, Add	*2.53*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.62*	
		For Poplar, Add	*1.40*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
		For Stain Grade Material (No Finger Joints), Add	*0.91*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	5.47	2.13
		For Birch, Add	*0.87*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.39*	
		For Poplar, Add	*0.48*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.70*	
		For Stain Grade Material (No Finger Joints), Add	*0.31*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	4.67	1.60
		For Birch, Add	*0.85*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.30*	
		For Poplar, Add	*0.47*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	7.21	1.60
		For Birch, Add	*1.77*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.44*	
		For Poplar, Add	*0.98*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.64*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	2.71	0.92
		For Birch, Add	*0.40*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.66*	
		For Poplar, Add	*0.22*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Stain Grade Material (No Finger Joints), Add	*0.15*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	2.99	0.92
		For Birch, Add	*0.50*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.79*	
		For Poplar, Add	*0.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Stain Grade Material (No Finger Joints), Add	*0.18*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	4.04	1.15
		For Birch, Add	*0.77*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.15*	
		For Poplar, Add	*0.43*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Stain Grade Material (No Finger Joints), Add	*0.28*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	4.04	1.15
		For Birch, Add	*0.77*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.15*	
		For Poplar, Add	*0.43*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Stain Grade Material (No Finger Joints), Add	*0.28*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	5.32	1.15
		For Birch, Add	*1.23*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.73*	
		For Poplar, Add	*0.68*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Stain Grade Material (No Finger Joints), Add	*0.44*	

06 22 13 00-0023 Closet Poles *(06 22 13)*

06 22 13 00-0024	LF	1-1/8" Diameter Pine Closet Poles	6.53	1.98
06 22 13 00-0025	LF	1-5/8" Diameter Pine Closet Poles	9.99	1.98
06 22 13 00-0026	LF	2" Diameter Pine Closet Poles	13.90	2.21

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0002 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0001)*

06 41 13 00-0003 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0002)*

06 41 13 00-0004	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	242.32	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0005	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	257.71	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0006	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	269.41	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0007	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	283.35	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0008	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	321.96	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0009	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	336.45	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0010	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	363.71	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0011	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	383.01	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0012	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	394.89	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0013	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	450.15	61.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	497.57	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0015	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	552.05	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0016	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	522.07	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0017	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	582.53	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0018	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	245.91	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0019	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	251.73	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0020	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	274.79	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0021	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	292.31	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0022	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	304.63	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0023	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	319.72	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0024	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	520.88	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0025	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	549.14	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0026	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	577.15	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0027	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	300.89	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0028	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	307.31	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0029	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	333.35	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0030	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	354.46	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0031	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	372.75	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0032	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	391.43	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0033	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	545.98	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0034	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	577.23	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0035	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	609.42	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0036		**Wall Cabinet, 12" High, 12" Deep** *(06 41 13 00-0002)*		
06 41 13 00-0037	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	217.82	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0038	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	232.18	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0039	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	255.86	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0040	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	272.59	49.68
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0041		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0002)*		
06 41 13 00-0042	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	184.93	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0043	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	189.45	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0044	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	198.75	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0045	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	203.86	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0046	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	209.58	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0047	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	219.46	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0048	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	234.75	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0049	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	255.86	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0050	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	272.59	49.68
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0051		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0002)*		
06 41 13 00-0052	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	192.10	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0053	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	202.00	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0054	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	209.50	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0055	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	217.61	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0056	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	228.70	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0057	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	241.41	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0058	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	252.93	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0059	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	262.24	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0060	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	267.81	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0061		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0002)*		
06 41 13 00-0062	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	209.76	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0063	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	228.05	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0064	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	243.17	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0065	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	261.34	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0066	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	278.95	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0067	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	305.40	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0068	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	312.74	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0069	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	340.69	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0070	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	350.69	45.85
		For All Plywood Box Construction, Add	*39.44*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0071		Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0002)*			
06 41 13 00-0072	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		235.46	15.29
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0073	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		254.95	19.10
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0074	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		271.85	22.93
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0075	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		291.22	26.75
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0076	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		340.50	30.56
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0077	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		342.45	34.40
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0078	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		354.57	38.21
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0079	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		387.30	42.03
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0080	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		397.31	45.85
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0081		Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0002)*			
06 41 13 00-0082	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		262.35	15.29
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0083	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		286.02	19.10
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0084	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		304.12	22.93
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0085	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		322.89	26.75
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0086	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet		351.26	30.56
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0087	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		374.72	34.40
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0088	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		394.02	38.21
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0089	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		430.92	42.03
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0090	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		443.92	45.85
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0091		Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0002)*			
06 41 13 00-0092	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		249.57	38.21
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0093	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		267.67	42.03
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0094	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		287.32	45.85
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0095	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet		310.32	49.68
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0096	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet		365.66	61.14
		For All Plywood Box Construction, Add		*39.44*	
06 41 13 00-0097		Utility Cabinets, 84" High *(06 41 13 00-0002)*			
06 41 13 00-0098	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		478.44	33.97
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0099	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		540.61	40.75
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0100	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		606.98	319.26
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0101	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		638.08	54.34
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0102	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet		770.19	67.93
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0103	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet		886.74	81.52
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0104	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		539.39	33.97
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0105	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		596.19	40.75
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0106	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		679.88	47.55
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0107	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		722.34	54.34
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0108	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet		893.89	67.93
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0109	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet		1,020.61	81.52
		For All Plywood Box Construction, Add		*145.81*	
06 41 13 00-0110		Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0001)*			
06 41 13 00-0111		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0110)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0112	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	219.02	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0113	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	232.61	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0114	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	243.11	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0115	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	255.86	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0116	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	289.69	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0117	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	302.99	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0118	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	326.66	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0119	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	344.16	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0120	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	354.85	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0121	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	404.14	61.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	444.98	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0123	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	492.89	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0124	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	466.50	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0125	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	519.78	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0126	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	222.60	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0127	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	227.83	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0128	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	247.90	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0129	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	263.63	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0130	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	274.75	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0131	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	288.05	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0132	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	465.30	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0133	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	489.98	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0134	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	515.00	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0135	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	270.41	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0136	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	276.83	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0137	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	299.89	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0138	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	318.61	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0139	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	334.51	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0140	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	351.39	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0141	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	487.41	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0142	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	515.08	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0143	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	543.69	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0144		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0110)*		
06 41 13 00-0145	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	197.50	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0146	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	210.07	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0147	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	231.36	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0148	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	246.30	49.68
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0149		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0110)*		
06 41 13 00-0150	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	168.20	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0151	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	172.12	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0152	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	180.22	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0153	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	185.34	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0154	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	190.45	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0155	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	199.14	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0156	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	212.64	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0157	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	231.36	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0158	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	246.30	49.68
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0159		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0110)*		
06 41 13 00-0160	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	174.17	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0161	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	182.88	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0162	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	189.78	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0163	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	197.29	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0164	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	207.19	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0165	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	218.70	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0166	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	228.43	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0167	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	237.14	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0168	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	242.11	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0169		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0110)*		
06 41 13 00-0170	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	191.24	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0171	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	207.74	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0172	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	221.06	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0173	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	236.84	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0174	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	252.66	30.56
		For All Plywood Box Construction, Add	*39.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0175	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	276.12	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0176	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	282.86	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0177	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	307.22	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0178	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	316.63	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0179 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0110)*

06 41 13 00-0180	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	213.94	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0181	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	231.04	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0182	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	246.16	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0183	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	263.13	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0184	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	307.04	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0185	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	308.39	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0186	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	319.32	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0187	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	348.46	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0188	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	357.27	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0189 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0110)*

06 41 13 00-0190	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	237.25	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0191	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	258.53	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0192	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	274.84	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0193	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	291.22	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0194	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	316.60	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0195	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	337.07	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0196	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	353.98	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0197	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	386.70	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0198	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	398.50	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0199 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0110)*

06 41 13 00-0200	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	226.26	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0201	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	242.57	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0202	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	259.83	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0203	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	280.44	49.68
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0204	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	329.20	61.14
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0205 Utility Cabinets, 84" High *(06 41 13 00-0110)*

06 41 13 00-0206	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	435.41	33.97
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0207	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	491.61	40.75
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0208	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	551.40	319.26
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0209	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	580.11	54.34
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0210	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	697.28	67.93
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0211	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	801.29	81.52
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0212	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	489.20	33.97
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0213	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	540.61	40.75
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0214	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	615.34	47.55
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0215	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	654.22	54.34
		For All Plywood Box Construction, Add	*145.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0216	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	806.05	67.93
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0217	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	919.01	81.52
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0218		Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets *(06 41 13 00-0001)*		
06 41 13 00-0219		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0218)*		
06 41 13 00-0220	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	219.02	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0221	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	232.61	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0222	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	243.11	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0223	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	255.86	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0224	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	289.69	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0225	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	302.99	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0226	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	326.66	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0227	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	344.16	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0228	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	354.85	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0229	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	404.14	61.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	444.98	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0231	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	492.89	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0232	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	466.50	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0233	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	519.78	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0234	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	222.60	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0235	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	227.83	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0236	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	247.90	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0237	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	263.63	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0238	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	274.75	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0239	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	288.05	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0240	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	465.30	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0241	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	489.98	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0242	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	515.00	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0243	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	270.41	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0244	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	276.83	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0245	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	299.89	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0246	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	318.61	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0247	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	334.51	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0248	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	351.39	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0249	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	487.41	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0250	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	515.08	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0251	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	543.69	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	

06 41 13 00-0252 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0218)*

06 41 13 00-0253	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	197.50	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0254	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	210.07	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0255	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	231.36	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0256	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	246.30	49.68
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0257 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0218)*

06 41 13 00-0258	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	168.20	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0259	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	172.12	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0260	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	180.22	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0261	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	185.34	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0262	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	190.45	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0263	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	199.14	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0264	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	212.64	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0265	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	231.36	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0266	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	246.30	49.68
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0267 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0218)*

06 41 13 00-0268	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	174.17	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0269	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	182.88	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0270	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	189.78	22.93
		For All Plywood Box Construction, Add	*39.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0271	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	197.29	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0272	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	207.19	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0273	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	218.70	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0274	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	228.43	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0275	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	237.14	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0276	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	242.11	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0277 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0218)*

06 41 13 00-0278	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	191.24	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0279	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	207.74	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0280	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	221.06	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0281	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	236.84	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0282	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	252.66	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0283	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	276.12	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0284	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	282.86	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0285	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	307.22	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0286	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	316.63	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0287 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0218)*

06 41 13 00-0288	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	213.94	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0289	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	231.04	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0290	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	246.16	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0291	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	263.13	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0292	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	307.04	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0293	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	308.39	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0294	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	319.32	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0295	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	348.46	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0296	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	357.27	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0297 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0218)*

06 41 13 00-0298	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	237.25	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0299	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	258.53	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0300	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	274.84	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0301	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	291.22	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0302	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	316.60	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0303	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	337.07	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0304	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	353.98	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0305	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	386.70	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0306	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	398.50	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0307 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0218)*

06 41 13 00-0308	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	226.26	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0309	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	242.57	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0310	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	259.83	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0311	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	280.44	49.68
		For All Plywood Box Construction, Add	*39.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0312	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	329.20	61.14
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0313		**Utility Cabinets, 84" High** *(06 41 13 00-0218)*		
06 41 13 00-0314	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	435.41	33.97
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0315	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	491.61	40.75
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0316	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	551.40	319.26
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0317	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	580.11	54.34
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0318	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	697.28	67.93
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0319	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	801.29	81.52
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0320	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	489.20	33.97
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0321	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	540.61	40.75
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0322	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	615.34	47.55
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0323	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	654.22	54.34
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0324	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	806.05	67.93
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0325	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	919.01	81.52
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0326		**Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets** *(06 41 13 00-0001)*		
06 41 13 00-0327		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0326)*		
06 41 13 00-0328	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	219.02	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0329	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	232.61	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0330	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	243.11	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0331	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	255.86	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0332	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	289.69	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0333	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	302.99	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0334	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	326.66	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0335	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	344.16	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0336	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	354.85	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*70.52*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0337	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	404.14	61.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	444.98	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0339	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	492.89	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*141.03*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0340	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	466.50	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0341	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	519.78	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0342	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	222.60	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0343	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	227.83	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0344	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	247.90	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0345	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	263.63	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0346	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	274.75	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0347	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	288.05	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0348	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	465.30	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0349	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	489.98	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0350	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	515.00	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*211.55*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0351	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	270.41	15.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0352	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	276.83	19.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0353	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	299.89	22.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0354	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	318.61	26.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0355	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	334.51	30.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0356	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	351.39	34.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0357	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	487.41	38.21
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0358	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	515.08	42.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0359	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	543.69	45.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*282.07*	
		For All Plywood Box Construction, Add	*73.50*	
06 41 13 00-0360		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0326)*		
06 41 13 00-0361	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	197.50	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0362	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	210.07	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0363	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	231.36	45.85
		For All Plywood Box Construction, Add	*39.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0364	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	246.30	49.68
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0365 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0326)*

06 41 13 00-0366	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	168.20	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0367	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	172.12	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0368	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	180.22	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0369	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	185.34	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0370	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	190.45	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0371	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	199.14	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0372	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	212.64	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0373	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	231.36	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0374	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	246.30	49.68
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0375 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0326)*

06 41 13 00-0376	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	174.17	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0377	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	182.88	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0378	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	189.78	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0379	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	197.29	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0380	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	207.19	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0381	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	218.70	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0382	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	228.43	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0383	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	237.14	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0384	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	242.11	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0385 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0326)*

06 41 13 00-0386	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	191.24	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0387	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	207.74	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0388	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	221.06	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0389	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	236.84	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0390	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	252.66	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0391	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	276.12	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0392	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	282.86	38.21
		For All Plywood Box Construction, Add	*39.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0393	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	307.22	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0394	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	316.63	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0395 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0326)*

06 41 13 00-0396	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	213.94	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0397	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	231.04	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0398	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	246.16	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0399	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	263.13	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0400	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	307.04	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0401	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	308.39	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0402	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	319.32	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0403	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	348.46	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0404	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	357.27	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0405 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0326)*

06 41 13 00-0406	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	237.25	15.29
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0407	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	258.53	19.10
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0408	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	274.84	22.93
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0409	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	291.22	26.75
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0410	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	316.60	30.56
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0411	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	337.07	34.40
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0412	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	353.98	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0413	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	386.70	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0414	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	398.50	45.85
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0415 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0326)*

06 41 13 00-0416	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	226.26	38.21
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0417	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	242.57	42.03
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0418	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	259.83	45.85
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0419	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	280.44	49.68
		For All Plywood Box Construction, Add	*39.44*	
06 41 13 00-0420	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	329.20	61.14
		For All Plywood Box Construction, Add	*39.44*	

06 41 13 00-0421 Utility Cabinets, 84" High *(06 41 13 00-0326)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0422	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	435.41	33.97
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0423	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	491.61	40.75
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0424	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	551.40	319.26
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0425	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	580.11	54.34
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0426	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	697.28	67.93
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0427	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	801.29	81.52
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0428	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	489.20	33.97
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0429	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	540.61	40.75
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0430	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	615.34	47.55
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0431	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	654.22	54.34
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0432	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	806.05	67.93
		For All Plywood Box Construction, Add	*145.81*	
06 41 13 00-0433	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	919.01	81.52
		For All Plywood Box Construction, Add	*145.81*	

06 41 13 00-0434 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0435	LF	Remove And Reinstall Base Cabinets	58.47
06 41 13 00-0436	LF	Removal And Reinstallation Of Wall Cabinets	50.84
06 41 13 00-0437	LF	Removal And Reinstallation Of Plastic Laminated Countertops	12.03

06 41 93 Cabinet And Drawer Hardware *(06 41)*

06 41 93 00-0001 Residential Cabinet Repairs *(06 41 93)*

06 41 93 00-0002	EA	Removal And Replacement Of Residential Cabinet Door Note: Includes all hardware.	65.84
06 41 93 00-0003	EA	Removal And Replacement Of Residential Cabinet Drawer Note: Includes all hardware.	79.06
06 41 93 00-0004	PR	Removal And Replacement Of Residential Drawer Guides	32.82
06 41 93 00-0005	EA	Removal And Replacement Of Residential Knob/Pull	20.73
06 41 93 00-0006	PR	Removal And Replacement Of Residential Hinges	16.15

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001 Plastic Laminate *(06 42 19)*

Note: Standard colors and patterns.

06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	6.89	2.68

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	3.75	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	3.79	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	4.88	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	

06 46 19 Wood Base And Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	3.81	1.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	4.12	1.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	5.06	0.92
		For Clear Birch, Add	*0.64*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.21*	
		For Stain Grade Material (No Finger Joints), Add	*0.36*	
		For Clear Poplar, Add	*0.40*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	6.12	1.15
		For Clear Birch, Add	*0.74*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.42*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
		For Clear Poplar, Add	*0.46*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	7.77	1.30
		For Clear Birch, Add	*1.14*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.03*	
		For Stain Grade Material (No Finger Joints), Add	*0.64*	
		For Clear Poplar, Add	*0.71*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	4.93	1.45
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe	4.75	1.45

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	6.35	1.38
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.79*	
		For Poplar, Add	*0.66*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	8.01	1.38
		For Birch, Add	*1.58*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.53*	
		For Poplar, Add	*0.99*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	4.71	1.38
		For Birch, Add	*0.77*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.31*	
		For Poplar, Add	*0.48*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	4.56	1.38
		For Birch, Add	*0.54*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*0.98*	
		For Poplar, Add	*0.68*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	5.89	1.45
		For Birch, Add	*0.98*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.54*	
		For Poplar, Add	*1.22*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	8.48	1.53
		For Birch, Add	*1.86*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.65*	
		For Poplar, Add	*2.32*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	9.88	1.53
		For Birch, Add	*2.31*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.23*	
		For Poplar, Add	*2.88*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	11.50	1.60
		For Birch, Add	*2.83*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.90*	
		For Poplar, Add	*3.54*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	15.01	1.76
		For Birch, Add	*4.03*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.42*	
		For Poplar, Add	*5.04*	

06 46 29 Wood Fasciae And Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	3.70	1.53
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	4.24	1.69
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	4.61	1.78
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	5.47	1.99
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	3.65	1.53
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	4.17	1.69
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	4.71	1.78
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	5.76	1.99

06 46 29 00-0011 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0012	LF	1" x 6" Cedar Fascia Board	4.00	1.53
06 46 29 00-0013	LF	1" x 8" Cedar Fascia Board	4.71	1.69
06 46 29 00-0014	LF	1" x 10" Cedar Fascia Board	5.53	1.78
06 46 29 00-0015	LF	1" x 12" Cedar Fascia Board	6.76	1.99

06 46 29 00-0016 Engineered Wood Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0017	LF	1" x 6" Engineered Wood Fascia Board	3.52	1.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board	4.01	1.69
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board	4.91	1.99
06 46 29 00-0020		Soffit *(06 46 29)*		
06 46 29 00-0021		Sanded Plywood Soffit *(06 46 29 00-0020)*		
06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit	3.18	1.15
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit	3.49	1.21
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit	3.67	1.27
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit	4.07	1.34
06 46 29 00-0026		MDO Plywood Soffit *(06 46 29 00-0020)*		
06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit	3.58	1.15
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit	4.00	1.21
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit	5.05	1.34
06 46 29 00-0030		Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0020)*		
06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	2.51	1.01
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	2.71	1.06

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes And Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001		Beams And Girders, Recycled Plastic Lumber *(06 51 13)*		
06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	8.39	1.24
		For Reinforced Structural Plastic Lumber, Add	*2.45*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.60*	
		For White Color, Add	*2.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.38*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.32*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	10.72	1.34
		For Reinforced Structural Plastic Lumber, Add	*3.26*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.79*	
		For White Color, Add	*3.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.17*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.76*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	12.84	1.45
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.97*	
		For White Color, Add	*4.58*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.88*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	18.79	1.72
		For Reinforced Structural Plastic Lumber, Add	*6.04*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.47*	
		For White Color, Add	*6.94*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.88*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.27*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	22.50	1.93
		For Reinforced Structural Plastic Lumber, Add	*7.30*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.78*	
		For White Color, Add	*8.39*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.95*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	12.10	1.67
		For Reinforced Structural Plastic Lumber, Add	*3.60*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.87*	
		For White Color, Add	*4.13*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.50*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.94*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	16.33	1.78
		For Reinforced Structural Plastic Lumber, Add	*5.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.24*	
		For White Color, Add	*5.87*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.97*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.76*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	17.00	1.83
		For Reinforced Structural Plastic Lumber, Add	*5.32*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.30*	
		For White Color, Add	*6.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.18*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	23.51	1.99
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.44*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.13*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	32.10	2.09
		For Reinforced Structural Plastic Lumber, Add	*10.77*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.62*	
		For White Color, Add	*12.37*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.48*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.82*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	5.46	0.69
		For Reinforced Structural Plastic Lumber, Add	*1.65*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.40*	
		For White Color, Add	*1.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.61*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.89*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	7.62	0.73
		For Reinforced Structural Plastic Lumber, Add	*2.45*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.60*	
		For White Color, Add	*2.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.38*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.32*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	9.95	0.80
		For Reinforced Structural Plastic Lumber, Add	*3.26*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.79*	
		For White Color, Add	*3.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.17*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.76*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	12.15	0.97
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.97*	
		For White Color, Add	*4.58*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.88*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	17.95	1.13
		For Reinforced Structural Plastic Lumber, Add	*6.04*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.47*	
		For White Color, Add	*6.94*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.88*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.27*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	21.81	1.45
		For Reinforced Structural Plastic Lumber, Add	*7.30*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.78*	
		For White Color, Add	*8.39*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.95*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	11.17	1.03
		For Reinforced Structural Plastic Lumber, Add	*3.60*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.87*	
		For White Color, Add	*4.13*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.50*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.94*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	15.33	1.08
		For Reinforced Structural Plastic Lumber, Add	*5.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.24*	
		For White Color, Add	*5.87*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.97*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.76*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	16.08	1.18
		For Reinforced Structural Plastic Lumber, Add	*5.32*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.30*	
		For White Color, Add	*6.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.18*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.88*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	22.58	1.34
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.44*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	31.17	1.45
		For Reinforced Structural Plastic Lumber, Add	*10.77*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.62*	
		For White Color, Add	*12.37*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.48*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.82*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	12.87	2.21
		For Reinforced Structural Plastic Lumber, Add	*3.60*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.87*	
		For White Color, Add	*4.13*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.50*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.94*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	18.25	3.12
		For Reinforced Structural Plastic Lumber, Add	*5.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.24*	
		For White Color, Add	*5.87*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.97*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.76*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	19.39	3.50
		For Reinforced Structural Plastic Lumber, Add	*5.32*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.30*	
		For White Color, Add	*6.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.18*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.88*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	26.34	3.97
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.44*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.13*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	36.09	4.89
		For Reinforced Structural Plastic Lumber, Add	*10.77*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.62*	
		For White Color, Add	*12.37*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.48*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.82*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	4.90	0.69
		For Reinforced Structural Plastic Lumber, Add	*1.44*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.35*	
		For White Color, Add	*1.66*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.40*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.78*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	5.62	0.80
		For Reinforced Structural Plastic Lumber, Add	*1.65*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.40*	
		For White Color, Add	*1.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.61*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.89*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	7.85	0.86
		For Reinforced Structural Plastic Lumber, Add	*2.45*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.60*	
		For White Color, Add	*2.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.38*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.32*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	10.10	0.91
		For Reinforced Structural Plastic Lumber, Add	*3.26*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.79*	
		For White Color, Add	*3.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.17*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.76*	
06 51 13 00-0035		**Other Shapes, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	4.78	0.61
		For Reinforced Structural Plastic Lumber, Add	*1.42*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.35*	
		For White Color, Add	*1.63*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.38*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	6.10	0.69
		For Reinforced Structural Plastic Lumber, Add	*1.89*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.46*	
		For White Color, Add	*2.17*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.84*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.02*	
06 51 13 00-0038	LF	5/4" x 8", Recycled Plastic Lumber	8.00	0.69
		For Reinforced Structural Plastic Lumber, Add	*2.59*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.63*	
		For White Color, Add	*2.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.52*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.40*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	4.81	0.61
		For Reinforced Structural Plastic Lumber, Add	*1.43*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.35*	
		For White Color, Add	*1.64*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.39*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.77*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	5.32	0.69
		For Reinforced Structural Plastic Lumber, Add	*1.60*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.39*	
		For White Color, Add	*1.84*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.56*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.86*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	5.42	0.69
		For Reinforced Structural Plastic Lumber, Add	*1.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.40*	
		For White Color, Add	*1.88*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.59*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.88*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	3.30	0.59
		For Reinforced Structural Plastic Lumber, Add	*0.91*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.22*	
		For White Color, Add	*1.05*	
		For All Other Colors (Except Black, Brown Or White), Add	*0.89*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.49*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	4.90	0.69
		For Reinforced Structural Plastic Lumber, Add	*1.44*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.35*	
		For White Color, Add	*1.66*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.40*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.78*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	5.62	0.80
		For Reinforced Structural Plastic Lumber, Add	*1.65*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.40*	
		For White Color, Add	*1.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.61*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.89*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	7.85	0.86
		For Reinforced Structural Plastic Lumber, Add	*2.45*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.60*	
		For White Color, Add	*2.81*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.38*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.32*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	10.10	0.91
		For Reinforced Structural Plastic Lumber, Add	*3.26*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.79*	
		For White Color, Add	*3.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.17*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.76*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	12.15	0.97
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.97*	
		For White Color, Add	*4.58*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.88*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.15*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	14.70	1.03
		For Reinforced Structural Plastic Lumber, Add	*4.90*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.19*	
		For White Color, Add	*5.63*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.77*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.65*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	8.07	0.95
		For Reinforced Structural Plastic Lumber, Add	*2.49*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.60*	
		For White Color, Add	*2.86*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.42*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	11.85	1.01
		For Reinforced Structural Plastic Lumber, Add	*3.86*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.94*	
		For White Color, Add	*4.43*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.75*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.08*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	15.46	1.08
		For Reinforced Structural Plastic Lumber, Add	*5.16*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.25*	
		For White Color, Add	*5.92*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.02*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.79*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	17.95	1.13
		For Reinforced Structural Plastic Lumber, Add	*6.04*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.47*	
		For White Color, Add	*6.94*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.88*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.27*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	21.81	1.45
		For Reinforced Structural Plastic Lumber, Add	*7.30*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.78*	
		For White Color, Add	*8.39*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.11*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.95*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	11.17	1.03
		For Reinforced Structural Plastic Lumber, Add	*3.60*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.87*	
		For White Color, Add	*4.13*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.50*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.94*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	15.33	1.08
		For Reinforced Structural Plastic Lumber, Add	*5.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.24*	
		For White Color, Add	*5.87*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.97*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.76*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	20.65	1.17
		For Reinforced Structural Plastic Lumber, Add	*7.02*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.71*	
		For White Color, Add	*8.07*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.83*	
		For Composite Wood/Plastic Lumber, Deduct	*-3.80*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	16.08	1.18
		For Reinforced Structural Plastic Lumber, Add	*5.32*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.30*	
		For White Color, Add	*6.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.18*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.88*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	22.58	1.34
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.44*	
		For Composite Wood/Plastic Lumber, Deduct	*-4.13*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	31.17	1.45
		For Reinforced Structural Plastic Lumber, Add	*10.77*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.62*	
		For White Color, Add	*12.37*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.48*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.82*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	44.07	1.62
		For Reinforced Structural Plastic Lumber, Add	*15.45*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.76*	
		For White Color, Add	*17.75*	
		For All Other Colors (Except Black, Brown Or White), Add	*15.03*	
		For Composite Wood/Plastic Lumber, Deduct	*-8.35*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	39.18	1.55
		For Reinforced Structural Plastic Lumber, Add	*13.68*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.33*	
		For White Color, Add	*15.71*	
		For All Other Colors (Except Black, Brown Or White), Add	*13.31*	
		For Composite Wood/Plastic Lumber, Deduct	*-7.39*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	67.02	1.62
		For Reinforced Structural Plastic Lumber, Add	*23.94*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*5.82*	
		For White Color, Add	*27.50*	
		For All Other Colors (Except Black, Brown Or White), Add	*23.30*	
		For Composite Wood/Plastic Lumber, Deduct	*-12.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	93.02	1.69
		For Reinforced Structural Plastic Lumber, Add	*33.53*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*8.16*	
		For White Color, Add	*38.51*	
		For All Other Colors (Except Black, Brown Or White), Add	*32.62*	
		For Composite Wood/Plastic Lumber, Deduct	*-18.12*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	3.56	0.54
		For Reinforced Structural Plastic Lumber, Add	*1.03*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.25*	
		For White Color, Add	*1.19*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.00*	
		For Composite Wood/Plastic Lumber, Deduct	*-0.56*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	10.29	0.69
		For Reinforced Structural Plastic Lumber, Add	*3.44*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.84*	
		For White Color, Add	*3.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.34*	
		For Composite Wood/Plastic Lumber, Deduct	*-1.86*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	11.34	0.80
		For Reinforced Structural Plastic Lumber, Add	*3.77*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.92*	
		For White Color, Add	*4.33*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.67*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.04*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	14.05	0.97
		For Reinforced Structural Plastic Lumber, Add	*4.69*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.14*	
		For White Color, Add	*5.38*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.56*	
		For Composite Wood/Plastic Lumber, Deduct	*-2.53*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	31.19	1.13
		For Reinforced Structural Plastic Lumber, Add	*10.94*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.66*	
		For White Color, Add	*12.57*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.65*	
		For Composite Wood/Plastic Lumber, Deduct	*-5.91*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	2.86	0.59
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	4.21	0.61
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	6.10	0.65
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	7.79	0.68

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	SF	12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	45.31	4.20

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	4.61	1.53
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	5.60	1.91
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	4.24	1.60

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	4.22	1.53
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	5.27	1.60
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	7.31	1.68
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	8.43	1.76
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	9.72	1.83
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	12.47	1.91

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	7.71	1.53
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	10.33	1.91
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	10.77	1.91
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	11.22	1.91
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	14.67	2.30
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	17.45	2.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0020		**Dentil, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	6.53	1.53
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	7.37	1.53
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	9.28	1.53
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	12.58	1.53
06 65 00 00-0025		**Cove, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	2.46	0.84
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	2.68	0.84
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	3.55	1.00
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	3.55	1.00
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	4.54	1.00
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	5.97	1.15
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	8.06	1.15
06 65 00 00-0033		**Chair Rail, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	4.16	1.15
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	5.60	1.53
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	6.89	1.53
06 65 00 00-0037		**Door, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	3.52	1.38
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	3.55	1.38
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	3.67	1.60
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	4.14	1.60
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	4.73	1.53
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	5.52	1.53
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	3.97	1.53
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	6.09	1.53
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	4.40	1.53
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)*		
		Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.01	0.61
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	4.35	0.68
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	5.70	0.76
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	6.89	0.78
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	8.19	0.81
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.71	0.61
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	5.42	0.68
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	6.90	0.76
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	8.54	0.78
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	10.02	0.81
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	8.16	0.78
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	10.85	0.81
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	5.70	0.68
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.22	0.76

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)*

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	32.87	1.42
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	31.92	1.42
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	41.72	1.42
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	45.14	1.81
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	34.50	1.42
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	33.52	1.42
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	44.08	1.42
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	47.37	1.81
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	31.17	1.14
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	50.59	1.25
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	69.38	1.38

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	30.21	1.42
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	28.28	1.42
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	36.46	1.42
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.30	1.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	31.55	1.42	
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	29.04	1.42	
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	39.58	1.81	
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	41.50	1.81	
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	27.45	1.14	
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.93	1.25	
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	53.53	1.38	
06 74 13 00-0026		**Corvex Polyester Resin** *(06 74 13 00-0001)*			
		Note: Dark gray.			
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	25.60	1.42	
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	24.58	1.42	
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	29.84	1.42	
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	34.28	1.81	
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	27.30	1.42	
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	26.26	1.42	
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	31.81	1.42	
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	35.97	1.81	
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	24.22	1.14	
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	38.76	1.25	
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	53.81	1.38	
06 74 13 00-0038		**XFR Extra Fire Retardant** *(06 74 13 00-0001)*			
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	37.77	1.42	
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	36.67	1.42	
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	50.28	1.42	
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.67	1.81	
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	39.43	1.42	
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	38.35	1.42	
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	52.25	1.42	
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	56.06	1.81	
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	35.73	1.14	
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	57.89	1.25	
06 74 13 00-0049		**ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)*			
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	38.74	1.42	
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	37.56	1.42	
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	48.93	1.42	
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.40	1.81	
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	40.28	1.42	
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	39.31	1.42	
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	50.82	1.42	
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	54.31	1.81	
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	39.96	1.14	
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	72.19	1.25	
06 74 13 00-0060		**Pultruded Fiberglass Grating** *(06 74 13)*			
06 74 13 00-0061		**ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)*			
		Note: For moderately corrosive environments, green.			
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*			
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.48	1.81	
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	24.36	1.42	
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	31.11	1.81	
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	28.75	1.42	
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	21.38	1.81	
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	18.91	1.42	
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	24.53	1.81	
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.12	1.42	
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*			
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	31.07	1.81	
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.03	1.42	
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	34.96	1.81	
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	32.78	1.42	
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	27.28	1.81	
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	24.87	1.42	
06 74 13 00-0078		**2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*			
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	26.87	1.81	
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	29.77	1.81	
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	36.05	1.81	
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	34.00	1.81	
06 74 13 00-0083		**VERF Vinyl Ester Resin System** *(06 74 13 00-0060)*			
06 74 13 00-0084		**1" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	29.12	1.42
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.01	1.42
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	32.78	1.42
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	37.67	1.42
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	22.28	1.42
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	19.88	1.42
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	25.62	1.42
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	23.49	1.42
06 74 13 00-0093		**1-1/2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	31.99	1.42
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	28.92	1.42
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	36.62	1.42
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	34.17	1.42
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	28.72	1.42
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	26.44	1.42
06 74 13 00-0100		**2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	28.25	1.81
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.02	1.81
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	37.99	1.81
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	36.88	1.81

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001 Fiberglass Castings *(06 82)*

06 82 00 00-0002 Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	6.86	2.37
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	7.20	2.37
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.00	2.85
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.39	2.85
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	14.47	2.85
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	15.48	2.85
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	16.83	2.85
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	18.98	2.85
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	45.84	3.55
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	52.79	3.55
06 82 00 00-0013		**Fiberglass Channels** *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	7.91	3.55
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	8.25	3.55
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	16.82	4.03
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	16.82	4.03
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	26.57	4.03
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	30.96	4.03
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	24.94	4.03
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	30.14	4.03
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	38.00	5.53
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	43.65	5.53
06 82 00 00-0024		**Fiberglass Wide Flange Beams** *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	22.96	4.74
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	25.15	4.74
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	29.43	5.69
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	30.48	5.69
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	47.69	7.11
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	60.04	7.11
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	106.69	8.69
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	120.19	8.69
06 82 00 00-0033		**Fiberglass Flat Sheet** *(06 82 00 00-0001)*		
		Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	18.97	4.03
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	19.83	4.03
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	29.97	4.74
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	34.56	4.74
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	40.76	5.69
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	47.64	5.69
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	55.02	7.11
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	65.56	7.11

06 82 00 00-0042 Fiberglass Bars *(06 82 00 00-0001)*

06 82 00 00-0043 Square Bars *(06 82 00 00-0042)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	11.24	2.85
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.21	4.19
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	19.04	5.53
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	17.62	3.55
06 82 00 00-0049	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.16	2.37
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	15.53	3.55
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	23.48	3.55
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	28.06	4.03
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	8.11	2.37
06 82 00 00-0056	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	12.06	2.85
06 82 00 00-0057	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	23.22	3.55
06 82 00 00-0058	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	27.31	4.27
06 82 00 00-0059	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	8.79	2.37
06 82 00 00-0060	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	13.25	2.85
06 82 00 00-0061	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	25.97	3.55
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	34.98	4.27
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	7.75	2.37
06 82 00 00-0065	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	14.72	2.85
06 82 00 00-0066	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	8.06	2.37
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	15.73	2.85
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.63	1.81
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	11.33	1.81
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	12.99	2.05
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.35	2.05
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.88	2.05
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	20.50	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	8.79	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	33.04	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.59	0.28
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.59	0.28
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.59	0.28
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.59	0.28
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.59	0.28
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.58	0.28
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.58	0.28
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.58	0.28
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.58	0.28
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.58	0.28
06 82 00 00-0089		**Fiberglass Stair Treads** *(06 82)*		
06 82 00 00-0090		**Fiberglass Stair Treads** *(06 82 00 00-0089)*		
06 82 00 00-0091		**10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	71.55	12.41
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	83.26	12.41
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	94.98	12.41
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	106.69	12.41
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	78.58	12.41
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	92.05	12.41
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	105.52	12.41
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	118.99	12.41
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	89.36	12.41
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	105.52	12.41
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	121.69	12.41
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	137.86	12.41
06 82 00 00-0104		**12" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	78.25	12.41
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	91.63	12.41
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	105.03	12.41
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	118.41	12.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	86.28	12.41
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	101.68	12.41
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	117.07	12.41
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	132.47	12.41
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	98.60	12.41
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	117.07	12.41
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	135.55	12.41
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	154.03	12.41

06 82 00 00-0117 Other Fiberglass *(06 82)*

06 82 00 00-0118 Fiberglass Splash Blocks *(06 82 00 00-0117)*

06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	12.02	2.76

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)*

Note: Includes adhesive and trim.

06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.94	1.39

END OF SECTION 06

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection *(07)*

07 01 50 Maintenance Of Membrane Roofing *(07 01)*

07 01 50 19 Preparation For Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	20.94	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	36.95	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	15.84	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	14.26	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	13.01	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	12.11	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	18.10	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	16.52	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	15.28	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	14.37	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	13.58	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	12.23	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	11.21	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	10.53	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	4.58	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	65.95	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	275.33	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	2.74	1.18

07 05 Common Work Results For Thermal And Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	828.63	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	619.98	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	414.31	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	206.66	

07 10 Dampproofing And Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	105.30	
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	160.45	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	182.36	
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On	284.93	

07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	84.03	
07 11 13 00-0009	CSF	2 Coats, Asphaltic Paint Dampproofing, Brushed On	155.64	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001 Neoprene *(07 11 19)*

07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF)	22.36	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

07 13 13 00-0002	CSF	1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	198.82	67.72
		For 30 LB Felt, Add	*47.53*	
		For Application To Horizontal Surfaces, Deduct	*-20.32*	
07 13 13 00-0003	CSF	2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	252.09	76.19
		For 30 LB Felt, Add	*74.78*	
		For Application To Horizontal Surfaces, Deduct	*-22.86*	
07 13 13 00-0004	CSF	3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	305.37	84.66
		For 30 LB Felt, Add	*102.05*	
		For Application To Horizontal Surfaces, Deduct	*-25.40*	
07 13 13 00-0005	CSF	4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	358.64	93.12
		For 30 LB Felt, Add	*129.30*	
		For Application To Horizontal Surfaces, Deduct	*-27.94*	
07 13 13 00-0006	CSF	5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	411.92	101.59
		For 30 LB Felt, Add	*156.56*	
		For Application To Horizontal Surfaces, Deduct	*-30.48*	

07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	168.64	66.39
		For Application To Horizontal Surfaces, Deduct	*-22.14*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	232.75	68.94
		For Application To Horizontal Surfaces, Deduct	*-22.98*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	310.07	71.84
		For Application To Horizontal Surfaces, Deduct	*-23.94*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	348.83	74.73
		For Application To Horizontal Surfaces, Deduct	*-24.92*	

07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	4.89	0.69
		For Floor Surfaces, Deduct	*-0.69*	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	339.13	96.52
		For Application To Horizontal Surfaces, Deduct	*-28.95*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	406.58	96.52
		For Application To Horizontal Surfaces, Deduct	*-28.95*	

07 13 53 00-0006 Butyl Sheet Waterproofing *(07 13 53)*

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	87.25	24.13
		For Joint Taping, Add	*9.92*	
		For Each Additional Ply, Add	*63.49*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	107.33	24.13
		For Joint Taping, Add	*10.93*	
		For Each Additional Ply, Add	*77.55*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	

07 13 53 00-0009 Butyl With Nylon *(07 13 53)*

07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	98.73	24.13
		For Joint Taping, Add	*10.50*	
		For Each Additional Ply, Add	*71.53*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	111.63	24.13
		For Joint Taping, Add	*11.14*	
		For Each Additional Ply, Add	*80.56*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	

07 13 53 00-0012 Neoprene Sheet Waterproofing *(07 13 53)*

07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	164.74	24.13
		For Joint Taping, Add	*13.80*	
		For Each Additional Ply, Add	*117.74*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	250.17	24.13
		For Joint Taping, Add	*18.07*	
		For Each Additional Ply, Add	*177.54*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	
07 13 53 00-0015		Neoprene With Nylon *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	173.66	24.13
		For Joint Taping, Add	*14.24*	
		For Each Additional Ply, Add	*123.98*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	264.41	24.13
		For Joint Taping, Add	*18.78*	
		For Each Additional Ply, Add	*187.51*	
		For Application To Horizontal Surfaces, Deduct	*-3.63*	
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	24.82	9.32
		For Joint Taping, Add	*5.99*	
		For Each Additional Ply, Add	*19.44*	
		For Application To Horizontal Surfaces, Deduct	*-3.09*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	25.42	9.32
		For Joint Taping, Add	*6.02*	
		For Each Additional Ply, Add	*19.86*	
		For Application To Horizontal Surfaces, Deduct	*-3.09*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	40.80	9.32
		For Joint Taping, Add	*6.78*	
		For Each Additional Ply, Add	*30.62*	
		For Application To Horizontal Surfaces, Deduct	*-3.09*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar.	139.52	9.32
		For Each Additional Ply, Add	*99.96*	
		For Application To Horizontal Surfaces, Deduct	*-3.44*	
07 13 53 00-0023		Plastic Vapor Barrier (PVC) *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	45.28	10.31
		For Joint Taping, Add	*7.01*	
		For Each Additional Ply, Add	*33.76*	
		For Application To Horizontal Surfaces, Deduct	*-3.09*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	63.99	10.69
		For Joint Taping, Add	*8.12*	
		For Each Additional Ply, Add	*46.93*	
		For Application To Horizontal Surfaces, Deduct	*-3.21*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	89.39	11.07
		For Joint Taping, Add	*9.56*	
		For Each Additional Ply, Add	*64.79*	
		For Application To Horizontal Surfaces, Deduct	*-3.32*	
07 13 53 00-0027		Vinyl Plastic Vapor Barrier *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	29.91	9.55

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001		Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*		
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.44	
		For Application To Horizontal Surfaces, Deduct	*-0.13*	
		For Reinforcing Fabric, Add	*0.32*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.69	
		For Application To Horizontal Surfaces, Deduct	*-0.14*	
		For Reinforcing Fabric, Add	*0.32*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001		Fluid Applied Rubber Based Polyurethane *(07 14 16)*		
07 14 16 00-0002	SF	60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	2.50	
		For Application To Horizontal Surfaces, Deduct	*-0.29*	
07 14 16 00-0003	SF	90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	2.88	
		For Application To Horizontal Surfaces, Deduct	*-0.31*	
07 14 16 00-0004	SF	120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	3.28	
		For Application To Horizontal Surfaces, Deduct	*-0.32*	
07 14 16 00-0005		One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*		
07 14 16 00-0006	SF	15 Mil Finish Coat, Chlorosulfonated Polyethylene (CSM) Polymer, 1 Part Solution	1.75	
07 14 16 00-0007		Copolymer Compound *(07 14 16)*		
07 14 16 00-0008	SF	Fluid Elastomeric Copolymer Compound For Slabs 32 Mil	2.72	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 16 00-0009		Fluid Applied 100% Rubber Polymer *(07 14 16)* Note: Product as manufactured by Dow Chemical or equal.		
07 14 16 00-0010	SF	15-20 Mil Graywall, Fluid Applied Rubber Waterproofing	3.11	
07 14 16 00-0011	SF	40 Mil Rub-R-Wall, Fluid Applied Rubber Waterproofing	3.97	
07 14 16 00-0012	SF	40 Mil Rub-R-Wall Plus, Fluid Applied Rubber Waterproofing	4.05	
07 14 16 00-0013		Fluid Applied Neoprene *(07 14 16)*		
07 14 16 00-0014	CSF	1/8" Fiberglass Reinforced, Fluid Neoprene	329.69	
		For Application To Horizontal Surfaces, Deduct	*-35.16*	
07 14 16 00-0015	CSF	50 Mil, 4 Coats, Fluid Neoprene	641.21	
		For Application To Horizontal Surfaces, Deduct	*-68.98*	
07 14 16 00-0016	CSF	90 Mil, 4 Coats, Fluid Neoprene	1,052.16	
		For Application To Horizontal Surfaces, Deduct	*-103.41*	
07 14 16 00-0017		Polyester Membrane Waterproofing System *(07 14 16)* Note: Kemper Systems Inc.		
07 14 16 00-0018	SQ	Primer For Polyester Membrane Waterproofing System (Kemperol)	122.02	
07 14 16 00-0019	SQ	Resin For Polyester Membrane Waterproofing System (Kemperol)	718.11	
07 14 16 00-0020	SQ	Fleece For Polyester Membrane Waterproofing System (Kemperol)	883.82	

07 16 Cementitious And Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	3.79	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	4.49	

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001		Metallic Oxide Waterproofing *(07 16 19)* Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	401.46	
		For Application To Horizontal Surfaces, Deduct	*-53.03*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	299.24	79.21
		For Application To Horizontal Surfaces, Deduct	*-23.77*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	269.87	83.69
		For Application To Horizontal Surfaces, Deduct	*-25.72*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	380.12	87.28
		For Application To Horizontal Surfaces, Deduct	*-26.18*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	306.02	72.60
		For Application To Horizontal Surfaces, Deduct	*-21.77*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001		One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)* Note: For pedestrian and vehicular traffic. Includes 10 year warranty.		
07 18 13 00-0002	SQ	Concrete/Metal Primer (Garland Dura-Walk®)	38.60	
07 18 13 00-0003	SQ	Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	282.46	
07 18 13 00-0004	SQ	Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	162.24	
07 18 13 00-0005	SQ	Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	194.35	
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	0.96	

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	1.51
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	1.80
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	1.98

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.42	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.62	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	0.79	
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.15	
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.33	
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.47	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0143 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	2.56	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	3.59	0.27
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.28	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	5.66	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.09	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.16	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.32	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.50	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.16	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.83	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.50	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.17	0.29
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.84	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.25	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.13*	
		For 40 PSI Compressive Strength, Add	*0.31*	
		For 60 PSI Compressive Strength, Add	*0.50*	
		For 115 PSI Compressive Strength, Add	*2.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.46	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For 40 PSI Compressive Strength, Add	*0.39*	
		For 60 PSI Compressive Strength, Add	*0.62*	
		For 115 PSI Compressive Strength, Add	*2.69*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.63	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For 40 PSI Compressive Strength, Add	*0.46*	
		For 60 PSI Compressive Strength, Add	*0.72*	
		For 115 PSI Compressive Strength, Add	*3.13*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.74	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.49*	
		For 60 PSI Compressive Strength, Add	*0.78*	
		For 115 PSI Compressive Strength, Add	*3.39*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.65	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.30*	
		For 115 PSI Compressive Strength, Add	*5.70*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.56	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.18*	
		For 60 PSI Compressive Strength, Add	*1.82*	
		For 115 PSI Compressive Strength, Add	*8.01*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.02	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.35*	
		For 60 PSI Compressive Strength, Add	*2.08*	
		For 115 PSI Compressive Strength, Add	*9.17*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	2.42	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	3.49	0.27
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.18	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	5.61	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	0.95	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.01	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.18	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.35	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.06	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.78	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.52	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.29	0.29
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Gypsum, Add	*1.38*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	5.16	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.77*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.10	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.11*	
		For 40 PSI Compressive Strength, Add	*0.25*	
		For 60 PSI Compressive Strength, Add	*0.41*	
		For 115 PSI Compressive Strength, Add	*1.76*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.32	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.14*	
		For 40 PSI Compressive Strength, Add	*0.34*	
		For 60 PSI Compressive Strength, Add	*0.54*	
		For 115 PSI Compressive Strength, Add	*2.33*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.49	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For 40 PSI Compressive Strength, Add	*0.40*	
		For 60 PSI Compressive Strength, Add	*0.64*	
		For 115 PSI Compressive Strength, Add	*2.77*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.59	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For 40 PSI Compressive Strength, Add	*0.44*	
		For 60 PSI Compressive Strength, Add	*0.69*	
		For 115 PSI Compressive Strength, Add	*3.00*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.55	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For 40 PSI Compressive Strength, Add	*0.80*	
		For 60 PSI Compressive Strength, Add	*1.24*	
		For 115 PSI Compressive Strength, Add	*5.44*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.50	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.16*	
		For 60 PSI Compressive Strength, Add	*1.79*	
		For 115 PSI Compressive Strength, Add	*7.86*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.04	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.36*	
		For 60 PSI Compressive Strength, Add	*2.09*	
		For 115 PSI Compressive Strength, Add	*9.22*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	1.62	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.41	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.18	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	2.95	0.26
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.30	0.27
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.08	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.70	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.32	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0012			Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)* Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013			Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)* Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014		SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	1.48	0.33
			For Horizontal Surface Application, Deduct	*-0.06*	
			For Vapor Barrier, Integral With Insulation, Add	*0.05*	
			For Factory Painted On One Surface Add	*0.17*	
			For Mechanically Fastened To Concrete, Add	*0.92*	
			For Mechanically Fastened To Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 16-0015		SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.31	0.39
			For Horizontal Surface Application, Deduct	*-0.07*	
			For Vapor Barrier, Integral With Insulation, Add	*0.05*	
			For Factory Painted On One Surface Add	*0.17*	
			For Mechanically Fastened To Concrete, Add	*0.95*	
			For Mechanically Fastened To Gypsum, Add	*1.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 21 13 16-0016		SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	3.13	0.46
			For Horizontal Surface Application, Deduct	*-0.08*	
			For Vapor Barrier, Integral With Insulation, Add	*0.05*	
			For Factory Painted On One Surface Add	*0.17*	
			For Mechanically Fastened To Concrete, Add	*0.97*	
			For Mechanically Fastened To Gypsum, Add	*1.19*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 21 13 16-0017			Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)* Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018		SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	2.81	0.26
			For Horizontal Surface Application, Deduct	*-0.04*	
			For Vapor Barrier, Integral With Insulation, Add	*0.05*	
			For Factory Painted On One Surface Add	*0.17*	
			For Mechanically Fastened To Concrete, Add	*0.92*	
			For Mechanically Fastened To Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 16-0019		SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	3.20	0.27
			For Horizontal Surface Application, Deduct	*-0.04*	
			For Vapor Barrier, Integral With Insulation, Add	*0.05*	
			For Factory Painted On One Surface Add	*0.17*	
			For Mechanically Fastened To Concrete, Add	*0.95*	
			For Mechanically Fastened To Gypsum, Add	*1.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 16-0020		SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	3.98	0.27
			For Horizontal Surface Application, Deduct	*-0.05*	
			For Vapor Barrier, Integral With Insulation, Add	*0.05*	
			For Factory Painted On One Surface Add	*0.17*	
			For Mechanically Fastened To Concrete, Add	*0.95*	
			For Mechanically Fastened To Gypsum, Add	*1.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.65	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.27	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.22	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.46	0.31
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.70	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.13	0.36
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.57	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.42	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.07	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.32	0.31
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.56	0.33
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.03	0.36
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.47	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.37	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.06	0.28
		For >1,600, Deduct	*-0.10*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.17	0.28
		For >1,600, Deduct	*-0.12*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.20	0.28
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	1.65	0.28
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.32	0.28
		For >1,600, Deduct	*-0.14*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.08	0.35
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	2.24	0.35
		For >1,600, Deduct	*-0.26*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	0.99	0.28
		For >1,600, Deduct	*-0.09*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.11	0.28
		For >1,600, Deduct	*-0.11*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	1.56	0.28
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	1.58	0.28
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	1.27	0.28
		For >1,600, Deduct	*-0.14*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	1.95	0.35
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	2.15	0.35
		For >1,600, Deduct	*-0.24*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0018		Foil Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.25	0.28
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.42	0.28
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.56	0.28
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.36	0.35
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.56	0.35
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0024		Poly-Encapsulated, Fiberglass Flexible Insulation *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.10	0.28
		For >1,600, Deduct	*-0.11*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.20	0.28
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.71	0.28
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.34	0.28
		For >1,600, Deduct	*-0.15*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.08	0.35
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.15	0.35
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0031		Mineral Wool Flexible Insulation *(07 21 16)*		
07 21 16 00-0032		Kraft Faced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.22	0.28
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	1.67	0.28
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	2.77	0.28
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	3.20	0.28
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0037		Unfaced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.12	0.28
		For >1,600, Deduct	*-0.11*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	1.51	0.28
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	2.46	0.28
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	2.83	0.28
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0042		Natural Cotton Insulation *(07 21 16)*		
07 21 16 00-0043		UltraTouch™ Natural Cotton Insulation *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	1.75	0.28
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.00	0.28
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	2.26	0.28
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	3.12	0.28
		For >1,600, Deduct	*-0.40*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		Polyurethane Foam Insulation, Sprayed On *(07 21 19)*		
07 21 19 00-0002	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	0.95	
07 21 19 00-0003	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.60	
07 21 19 00-0004	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.26	
07 21 19 00-0005	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.91	
07 21 19 00-0006	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.57	
07 21 19 00-0007	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.21	
07 21 19 00-0008	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	1.83	
07 21 19 00-0009	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.91	
07 21 19 00-0010	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.99	
07 21 19 00-0011	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.07	
07 21 19 00-0012	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.15	
07 21 19 00-0013	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.24	
07 21 23		**Loose-Fill Insulation** *(07 21)*		
07 21 23 00-0001		Poured Type, Loose Fill Insulation *(07 21 23)*		
07 21 23 00-0002	CF	R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation	4.51	1.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 23 00-0003	CF	R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation	4.95	1.64
07 21 23 00-0004		**Concrete Block Wall Cavity Insulation** *(07 21 23)*		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	6.90	1.64
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	6.82	1.64
07 21 26		**Blown Insulation** *(07 21)*		
07 21 26 00-0001		**Fiberglass Blown-In Insulation** *(07 21 26)*		
07 21 26 00-0002		**Attic, Fiberglass Blown-In Insulation** *(07 21 26 00-0001)*		
07 21 26 00-0003	SF	3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.09	0.77
07 21 26 00-0004	SF	6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation	1.40	0.92
07 21 26 00-0005	SF	7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation	1.55	1.00
07 21 26 00-0006	SF	10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation	1.84	1.08
07 21 26 00-0007	SF	12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation	2.13	1.15
07 21 26 00-0008	SF	13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation	2.32	1.23
07 21 26 00-0009	SF	14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation	2.38	1.23
07 21 26 00-0010	SF	16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	2.52	1.23
07 21 26 00-0011	SF	19" Thick, R-56 Attic, Fiberglass Blown In Insulation	2.83	1.23
07 21 26 00-0012	SF	21" Thick, R-60 Attic, Fiberglass Blown In Insulation	2.84	1.23
07 21 26 00-0013		**New Wall, Fiberglass Blown-In Insulation** *(07 21 26 00-0001)*		
07 21 26 00-0014	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	1.64	0.77
07 21 26 00-0015	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.23	0.92
07 21 26 00-0016	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	2.68	1.00
07 21 26 00-0017	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	3.23	1.08
07 21 26 00-0018		**Existing Wall, Fiberglass Blown-In Insulation** *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.54	0.77
07 21 26 00-0020	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.13	0.92
07 21 26 00-0021	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	2.58	1.00
07 21 26 00-0022	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.13	1.08
07 21 26 00-0023		**Cellulose Blown-In Insulation** *(07 21 26)*		
07 21 26 00-0024		**Attic, Cellulose Blown-In Insulation** *(07 21 26 00-0023)*		
07 21 26 00-0025	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.11	0.77
07 21 26 00-0026	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.36	0.84
07 21 26 00-0027	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.53	0.92
07 21 26 00-0028	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	1.82	1.00
07 21 26 00-0029	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	1.87	1.00
07 21 26 00-0030	SF	10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation	2.21	1.08
07 21 26 00-0031	SF	11" Thick, R-40 Attic, Cellulose Blown In Insulation	2.28	1.08
07 21 26 00-0032	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	2.69	1.15
07 21 26 00-0033	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.11	1.23
07 21 26 00-0034		**New Wall, Cellulose Blown-In Insulation** *(07 21 26 00-0023)*		
07 21 26 00-0035	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.59	0.77
07 21 26 00-0036	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.16	0.92
07 21 26 00-0037	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.58	1.00
07 21 26 00-0038	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.10	1.08
07 21 26 00-0039		**Existing Wall, Cellulose Blown-In Insulation** *(07 21 26 00-0023)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.49	0.77
07 21 26 00-0041	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.06	0.92
07 21 26 00-0042	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.48	1.00
07 21 26 00-0043	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.00	1.08
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		**Fiber Sprayed On Insulation** *(07 21 29)*		
07 21 29 00-0002	SF	1" Spray, R2.7 Perlite Insulation	1.84	0.47
07 21 29 00-0003	SF	1" Spray, R3.7 Fibrous/Cementitious Insulation	1.33	0.47
07 21 29 00-0004		**Cellulose Sprayed On Insulation** *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick - Cellulose Spray-on Insulation	2.75	0.47

07 22 Roof And Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		alternate attachment.		
07 22 16 00-0001		Rigid Board Roofing Insulation *(07 22 16)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 22 16 00-0002		Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0003		Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	1.47	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	1.72	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	1.97	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.44	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.90	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	1.57	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	1.89	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.44	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.44	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.59	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.78	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.23	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.51	
07 22 16 00-0019		Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	2.02	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	2.74	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.58	
07 22 16 00-0023		Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	3.82	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	4.51	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	5.89	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.27	
07 22 16 00-0028		Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.38	
		For Loose-Laid, Deduct	*-0.74*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.45	
		For Loose-Laid, Deduct	*-0.74*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.61	
		For Loose-Laid, Deduct	*-0.74*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.79	
		For Loose-Laid, Deduct	*-0.75*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.46	
		For Loose-Laid, Deduct	*-0.76*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.13	
		For Loose-Laid, Deduct	*-0.76*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.82	
		For Loose-Laid, Deduct	*-0.78*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.50	
		For Loose-Laid, Deduct	*-0.79*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.18	
		For Loose-Laid, Deduct	*-0.80*	
07 22 16 00-0038		Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)* Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	1.85	
		For Loose-Laid, Deduct	*-0.71*	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For 40 PSI Compressive Strength, Add	*0.46*	
		For 60 PSI Compressive Strength, Add	*0.73*	
		For 115 PSI Compressive Strength, Add	*3.15*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	1.96	
		For Loose-Laid, Deduct	*-0.71*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.49*	
		For 60 PSI Compressive Strength, Add	*0.79*	
		For 115 PSI Compressive Strength, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.41	
		For Loose-Laid, Deduct	*-0.71*	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.67*	
		For 60 PSI Compressive Strength, Add	*1.05*	
		For 100 PSI Compressive Strength, Add	*1.35*	
		For 115 PSI Compressive Strength, Add	*4.56*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.88	
		For Loose-Laid, Deduct	*-0.72*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.31*	
		For 115 PSI Compressive Strength, Add	*5.72*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.33	
		For Loose-Laid, Deduct	*-0.72*	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For 40 PSI Compressive Strength, Add	*1.01*	
		For 60 PSI Compressive Strength, Add	*1.57*	
		For 100 PSI Compressive Strength, Add	*2.02*	
		For 115 PSI Compressive Strength, Add	*6.88*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.79	
		For Loose-Laid, Deduct	*-0.73*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.18*	
		For 60 PSI Compressive Strength, Add	*1.83*	
		For 115 PSI Compressive Strength, Add	*8.04*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.26	
		For Loose-Laid, Deduct	*-0.74*	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.35*	
		For 60 PSI Compressive Strength, Add	*2.09*	
		For 115 PSI Compressive Strength, Add	*9.19*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	1.66	
		For Loose-Laid, Deduct	*-0.71*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.10*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	1.73	
		For Loose-Laid, Deduct	*-0.71*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.11*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	1.83	
		For Loose-Laid, Deduct	*-0.72*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.12*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.10	
		For Loose-Laid, Deduct	*-0.72*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.35	
		For Loose-Laid, Deduct	*-0.72*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.62	
		For Loose-Laid, Deduct	*-0.73*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.90	
		For Loose-Laid, Deduct	*-0.73*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.16	
		For Loose-Laid, Deduct	*-0.74*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	1.88	

07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	1.78	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	1.89	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	1.96	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.00	

07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	1.75	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	1.91	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	1.95	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.03	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.18	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.38	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.52	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.82	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.95	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.16	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.06	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.33	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.64	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.85	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.12	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.41	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.94	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.33	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.58	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.84	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.31	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.79	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	1.44	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	1.76	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	1.29	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	1.44	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	1.62	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	2.06	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	2.35	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	1.86	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	2.58	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.43	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	3.65	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	4.35	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	5.74	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.12	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.24	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.31	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.39	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.64	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.32	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.00	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.68	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.36	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)* Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	1.70	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For 40 PSI Compressive Strength, Add	*0.37*	
		For 60 PSI Compressive Strength, Add	*0.60*	
		For 115 PSI Compressive Strength, Add	*2.59*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	1.80	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For 40 PSI Compressive Strength, Add	*0.41*	
		For 60 PSI Compressive Strength, Add	*0.66*	
		For 115 PSI Compressive Strength, Add	*2.85*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.25	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.58*	
		For 60 PSI Compressive Strength, Add	*0.92*	
		For 100 PSI Compressive Strength, Add	*1.18*	
		For 115 PSI Compressive Strength, Add	*4.00*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.79	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.75*	
		For 60 PSI Compressive Strength, Add	*1.18*	
		For 115 PSI Compressive Strength, Add	*5.14*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	9.85	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For 40 PSI Compressive Strength, Add	*0.92*	
		For 60 PSI Compressive Strength, Add	*1.78*	
		For 100 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*6.96*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.64	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For 40 PSI Compressive Strength, Add	*1.09*	
		For 60 PSI Compressive Strength, Add	*1.71*	
		For 115 PSI Compressive Strength, Add	*7.48*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.11	
		For 25 PSI Compressive Strength, Add	*0.53*	
		For 40 PSI Compressive Strength, Add	*1.27*	
		For 60 PSI Compressive Strength, Add	*1.97*	
		For 115 PSI Compressive Strength, Add	*8.64*	
07 22 16 00-0125		Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.51	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.08*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.57	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.09*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.67	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.09*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.94	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.12*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.20	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.46	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.68	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.00	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0134		Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	1.64	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	1.75	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	1.82	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	1.86	
07 22 16 00-0139		Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	1.61	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	1.77	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	1.81	
07 22 16 00-0143		Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)* Note: Mechanically fastened to wood or steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	1.32	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	1.58	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	1.83	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.34	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.80	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	1.42	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	1.75	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	1.29	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	1.44	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	1.63	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	2.13	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	2.41	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0159		Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	1.88	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	2.64	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.53	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0163		Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	3.72	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	4.41	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	5.84	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.30	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.62*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.24	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.30	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.47	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.64	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.36	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.08	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.84	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.62	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.83*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0177		SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.63	
			For Mechanically Fastened To Concrete, Add	*1.06*	
			For Mechanically Fastened To Gypsum, Add	*1.11*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.11*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179		SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	1.71	
			For 25 PSI Compressive Strength, Add	*0.17*	
			For 40 PSI Compressive Strength, Add	*0.40*	
			For 60 PSI Compressive Strength, Add	*0.65*	
			For 115 PSI Compressive Strength, Add	*2.79*	
			For Mechanically Fastened To Concrete, Add	*0.92*	
			For Mechanically Fastened To Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.37*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.97*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0180		SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	1.81	
			For 25 PSI Compressive Strength, Add	*0.18*	
			For 40 PSI Compressive Strength, Add	*0.44*	
			For 60 PSI Compressive Strength, Add	*0.70*	
			For 115 PSI Compressive Strength, Add	*3.02*	
			For Mechanically Fastened To Concrete, Add	*0.92*	
			For Mechanically Fastened To Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.38*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.98*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0181		SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	2.31	
			For 25 PSI Compressive Strength, Add	*0.26*	
			For 40 PSI Compressive Strength, Add	*0.63*	
			For 60 PSI Compressive Strength, Add	*0.99*	
			For 100 PSI Compressive Strength, Add	*1.27*	
			For 115 PSI Compressive Strength, Add	*4.31*	
			For Mechanically Fastened To Concrete, Add	*0.95*	
			For Mechanically Fastened To Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0182		SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	2.78	
			For 25 PSI Compressive Strength, Add	*0.34*	
			For 40 PSI Compressive Strength, Add	*0.80*	
			For 60 PSI Compressive Strength, Add	*1.25*	
			For 115 PSI Compressive Strength, Add	*5.47*	
			For Mechanically Fastened To Concrete, Add	*0.95*	
			For Mechanically Fastened To Gypsum, Add	*1.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0183		SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.27	
			For 25 PSI Compressive Strength, Add	*0.41*	
			For 40 PSI Compressive Strength, Add	*0.98*	
			For 60 PSI Compressive Strength, Add	*1.54*	
			For 100 PSI Compressive Strength, Add	*1.98*	
			For 115 PSI Compressive Strength, Add	*6.72*	
			For Mechanically Fastened To Concrete, Add	*0.97*	
			For Mechanically Fastened To Gypsum, Add	*1.16*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.21*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.73	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.16*	
		For 60 PSI Compressive Strength, Add	*1.80*	
		For 115 PSI Compressive Strength, Add	*7.88*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.28	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.36*	
		For 60 PSI Compressive Strength, Add	*2.11*	
		For 115 PSI Compressive Strength, Add	*9.25*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	1.52	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.09*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	1.59	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.09*	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	1.73	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.11*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.00	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.13*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.30	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.56	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.93	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.62*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.18	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	1.74	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	1.64	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	1.75	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	1.82	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	1.86	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	1.60	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	1.76	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	1.80	
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	2.93	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.08	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.18*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.33	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.46	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.84	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.97	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	4.28	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.93*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	3.00	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	3.27	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	3.67	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.72*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	3.88	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	4.24	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.90*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	4.53	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.27	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.14*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	2.96	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.11	
		For 25 PSI Compressive Strength, Add	*0.23*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.45	
		For 25 PSI Compressive Strength, Add	*0.27*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.80	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.15	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.30	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.64	
		For 25 PSI Compressive Strength, Add	*0.41*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.99	
		For 25 PSI Compressive Strength, Add	*0.44*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.34	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.49	
		For 25 PSI Compressive Strength, Add	*0.51*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	2.78	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.28	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.97	
		For 25 PSI Compressive Strength, Add	*0.32*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.47	
		For 25 PSI Compressive Strength, Add	*0.39*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.16	
		For 25 PSI Compressive Strength, Add	*0.46*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.66	
		For 25 PSI Compressive Strength, Add	*0.53*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.63	
		For 25 PSI Compressive Strength, Add	*0.28*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.82	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.01	
		For 25 PSI Compressive Strength, Add	*0.56*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.21	
		For 25 PSI Compressive Strength, Add	*0.70*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0248			Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)* Note: Includes polyurethane adhesive.		
07 22 16 00-0249			Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0250		SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	2.57	
07 22 16 00-0251		SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	3.72	
07 22 16 00-0252		SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	3.98	
07 22 16 00-0253		SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.24	
07 22 16 00-0254		SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.50	
07 22 16 00-0255		SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.66	
07 22 16 00-0256		SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.92	
07 22 16 00-0257		SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.18	
07 22 16 00-0258		SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.44	
07 22 16 00-0259		SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.59	
07 22 16 00-0260			Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0261		SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	2.44	
07 22 16 00-0262		SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	3.85	
07 22 16 00-0263		SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.37	
07 22 16 00-0264		SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.79	
07 22 16 00-0265		SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.31	
07 22 16 00-0266		SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.72	
07 22 16 00-0267			Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268		SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.11	
07 22 16 00-0269		SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.05	
07 22 16 00-0270		SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.98	
07 22 16 00-0271		SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.18	
07 22 16 00-0272			Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)* Note: Includes polyurethane adhesive.		
07 22 16 00-0273			Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274		SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	2.88	
07 22 16 00-0275		SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.03	
07 22 16 00-0276		SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.36	
07 22 16 00-0277		SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.69	
07 22 16 00-0278		SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.02	
07 22 16 00-0279		SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.17	
07 22 16 00-0280		SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.50	
07 22 16 00-0281		SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.83	
07 22 16 00-0282		SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.16	
07 22 16 00-0283		SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.31	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	2.72	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.19	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.85	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.33	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.99	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.47	
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.52	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.66	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.80	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.95	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	4.08	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	4.96	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	5.60	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.05	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.69	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.56	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.19	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.64	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.28	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.16	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	3.76	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	5.28	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.37	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.87	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.96	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.48	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	5.92	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.51	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.12	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.72	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	2.74	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	3.87	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.22	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.38	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.91	
		For 25 PSI Compressive Strength, Add	*0.29*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.96	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.31	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.65	
		For 25 PSI Compressive Strength, Add	*0.38*	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.00	
		For 25 PSI Compressive Strength, Add	*0.41*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.02	
		For 25 PSI Compressive Strength, Add	*0.43*	

07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	2.66	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.04	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.74	
		For 25 PSI Compressive Strength, Add	*0.28*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.13	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.83	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.20	
		For 25 PSI Compressive Strength, Add	*0.45*	

07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.39	
		For 25 PSI Compressive Strength, Add	*0.24*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.48	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.54	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.63	
		For 25 PSI Compressive Strength, Add	*0.60*	

07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	3.59
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	4.73
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	5.36
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	5.44
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.08
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.22
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.86
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.94
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.57
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.70

07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	3.27
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	5.04
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	5.76
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	7.54
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	8.25
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.02

07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	5.68
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	8.17
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	44.24
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	13.15

07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)*

Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	2.86	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	3.68	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.03	
		For 25 PSI Compressive Strength, Add	*0.22*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.45	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.80	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.68	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.02	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.58	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.92	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.78	
		For 25 PSI Compressive Strength, Add	*0.44*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	2.68	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	3.86	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.63	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.85	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.75	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.96	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.20	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.00	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.30	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.54	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*1.13*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.50*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	2.47	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.30	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.56	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.90	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.16	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.03	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.29	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.76	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.02	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.89	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	2.34	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.43	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.03	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.16	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.89	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.02	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.69	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.42	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.28	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.51	
		For Mechanically Fastened To Concrete, Add	*1.13*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.50*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	2.78	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.61	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.71	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.34	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.67	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.55	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.88	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.41	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.74	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.61	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	2.62	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.77	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.51	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.71	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.58	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.77	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.10	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.04	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.10	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.15	
		For Mechanically Fastened To Concrete, Add	*1.13*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.50*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	3.61	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	4.54	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	5.17	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	5.33	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	5.97	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.44*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.93	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.57	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.86	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.50	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.46	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	3.29	
		For Mechanically Fastened To Concrete, Add	*0.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.49*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.72*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.88*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	4.85	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.28*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	5.65	
		For Mechanically Fastened To Concrete, Add	*1.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.39*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	7.25	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	8.18	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.77*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.78	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	5.49	
		For Mechanically Fastened To Concrete, Add	*0.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.56*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.32*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	7.89	
		For Mechanically Fastened To Concrete, Add	*1.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.16*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.56*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	10.42	
		For Mechanically Fastened To Concrete, Add	*1.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	13.05	
		For Mechanically Fastened To Concrete, Add	*1.13*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.06*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation		0.37
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation		0.38
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation		0.39
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation		0.40
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation		0.41
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation		0.42
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.43
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.44
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.45
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.46
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		0.47
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		0.48
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		0.49

07 24 Exterior Insulation And Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation And Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		2.48
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.89*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.32*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		2.82
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.91*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.15	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.00*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.41*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.49	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.05*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.47*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.84	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.05*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.47*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.51	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.17*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*1.58*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	3.21	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	3.55	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	4.47	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	4.74	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	1.57	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	1.82	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	3.18	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	4.26	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.67	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.72	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.12	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.47	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	3.12	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	3.48	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	2.78	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	3.15	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	6.30	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	0.80	
		For Up To 100, Add	*0.29*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	0.82	
		For Up To 100, Add	*0.29*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.10	
		For Up To 100, Add	*0.29*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.35	
		For Up To 100, Add	*0.29*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0035		**Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	1.67	
		For Up To 100, Add	*0.32*	
		For >100 To 500, Add	*0.16*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0037		**Starter Tracks For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.43	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.62	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.85	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	3.31	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.62	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.85	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	3.06	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	3.58	
07 24 13 00-0046		**Demolish Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	1.93	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.48*	
		For >5,000, Deduct	*-0.19*	

07 25 Weather Barriers (07)

07 26 Vapor Retarders (07 25)

07 26 13 Above-Grade Vapor Retarders (07 26)

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	20.17	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	18.87	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	23.03	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	29.13	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	18.36	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	59.22	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape	87.13	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	124.06	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	170.24	
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	43.93	

07 27 Air Barriers (07 25)

07 27 23 Board Product Air Barriers (07 27)

07 27 23 00-0001 Barriers For Plenums (07 27 23)

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF	8.15	2.30
		For Up To 50, Add	*3.02*	
		For >50 To 200, Add	*1.71*	
		For >200 To 500, Add	*0.63*	
		For >2,500, Deduct	*-0.41*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF	8.82	2.30
		For Up To 50, Add	*3.30*	
		For >50 To 200, Add	*1.87*	
		For >200 To 500, Add	*0.69*	
		For >2,500, Deduct	*-0.44*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	3.33	1.53
		For Up To 50, Add	*1.61*	
		For >50 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.31*	
		For >2,500, Deduct	*-0.17*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	6.09	2.30
		For Up To 50, Add	*2.89*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.55*	
		For >2,500, Deduct	*-0.30*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	4.65	1.53
		For Up To 50, Add	*1.81*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.37*	
		For >2,500, Deduct	*-0.23*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF	6.18	1.53
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.44*	
		For >2,500, Deduct	*-0.31*	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes (07 30)

07 31 13 Asphalt Shingles (07 31)

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles (07 31 13)

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	208.52	121.91
		For >35 To 75, Deduct	*-9.77*	
		For >75 To 100, Deduct	*-14.49*	
		For >100 To 200, Deduct	*-21.17*	
		For >200, Deduct	*-30.62*	
		For Steep Roof, Over 7 To 12, Add	*35.48*	
07 31 13 13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	218.64	128.02
		For >35 To 75, Deduct	*-10.23*	
		For >75 To 100, Deduct	*-15.18*	
		For >100 To 200, Deduct	*-22.18*	
		For >200, Deduct	*-32.09*	
		For Steep Roof, Over 7 To 12, Add	*37.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	256.96	134.41
		For >35 To 75, Deduct	*-13.47*	
		For >75 To 100, Deduct	*-19.22*	
		For >100 To 200, Deduct	*-27.67*	
		For >200, Deduct	*-39.17*	
		For Steep Roof, Over 7 To 12, Add	*39.12*	
07 31 13 13-0005		**Architectural Fiberglass Reinforced, Asphalt Composition Shingle** *(07 31 13 13)*		
		Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	259.06	155.63
		For >35 To 75, Deduct	*-11.76*	
		For >75 To 100, Deduct	*-17.65*	
		For >100 To 200, Deduct	*-25.89*	
		For >200, Deduct	*-37.67*	
		For Steep Roof, Over 7 To 12, Add	*45.27*	
07 31 13 13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	278.97	148.18
		For >35 To 75, Deduct	*-14.42*	
		For >75 To 100, Deduct	*-20.68*	
		For >100 To 200, Deduct	*-29.81*	
		For >200, Deduct	*-42.32*	
		For Steep Roof, Over 7 To 12, Add	*43.12*	
07 31 13 13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	301.38	163.41
		For >35 To 75, Deduct	*-15.28*	
		For >75 To 100, Deduct	*-22.05*	
		For >100 To 200, Deduct	*-31.88*	
		For >200, Deduct	*-45.42*	
		For Steep Roof, Over 7 To 12, Add	*47.55*	
07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	295.83	141.13
		For >35 To 75, Deduct	*-16.75*	
		For >75 To 100, Deduct	*-23.31*	
		For >100 To 200, Deduct	*-33.22*	
		For >200, Deduct	*-46.34*	
		For Steep Roof, Over 7 To 12, Add	*41.06*	
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	328.61	171.59
		For >35 To 75, Deduct	*-17.27*	
		For >75 To 100, Deduct	*-24.62*	
		For >100 To 200, Deduct	*-35.42*	
		For >200, Deduct	*-50.13*	
		For Steep Roof, Over 7 To 12, Add	*49.91*	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	353.92	171.59
		For >35 To 75, Deduct	*-19.80*	
		For >75 To 100, Deduct	*-27.65*	
		For >100 To 200, Deduct	*-39.47*	
		For >200, Deduct	*-55.19*	
		For Steep Roof, Over 7 To 12, Add	*49.91*	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	385.97	189.14
		For >35 To 75, Deduct	*-21.40*	
		For >75 To 100, Deduct	*-29.98*	
		For >100 To 200, Deduct	*-42.84*	
		For >200, Deduct	*-60.00*	
		For Steep Roof, Over 7 To 12, Add	*55.03*	
07 31 13 13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	384.94	180.17
		For >35 To 75, Deduct	*-22.12*	
		For >75 To 100, Deduct	*-30.64*	
		For >100 To 200, Deduct	*-43.58*	
		For >200, Deduct	*-60.61*	
		For Steep Roof, Over 7 To 12, Add	*52.40*	
07 31 13 13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	385.04	171.59
		For >35 To 75, Deduct	*-22.91*	
		For >75 To 100, Deduct	*-31.39*	
		For >100 To 200, Deduct	*-44.45*	
		For >200, Deduct	*-61.41*	
		For Steep Roof, Over 7 To 12, Add	*49.91*	
07 31 13 13-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	454.10	189.14
		For >35 To 75, Deduct	*-28.21*	
		For >75 To 100, Deduct	*-38.15*	
		For >100 To 200, Deduct	*-53.74*	
		For >200, Deduct	*-73.62*	
		For Steep Roof, Over 7 To 12, Add	*55.03*	
07 31 13 13-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	471.84	189.14
		For >35 To 75, Deduct	*-29.99*	
		For >75 To 100, Deduct	*-40.28*	
		For >100 To 200, Deduct	*-56.58*	
		For >200, Deduct	*-77.17*	
		For Steep Roof, Over 7 To 12, Add	*55.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0017	SQ	480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	524.67	208.57
		For >35 To 75, Deduct	*-33.51*	
		For >75 To 100, Deduct	*-44.95*	
		For >100 To 200, Deduct	*-63.09*	
		For >200, Deduct	*-85.97*	
		For Steep Roof, Over 7 To 12, Add	*60.68*	
07 31 13 13-0018	SQ	425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	518.69	198.59
		For >35 To 75, Deduct	*-33.81*	
		For >75 To 100, Deduct	*-45.09*	
		For >100 To 200, Deduct	*-63.13*	
		For >200, Deduct	*-85.68*	
		For Steep Roof, Over 7 To 12, Add	*57.78*	
		For Asphalt Roof Cement Applied To Front Edge, Add	*14.78*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	5.14	0.74
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	2.84	1.82
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	3.49	2.02
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	56.53	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	695.26	114.93
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	999.84	125.61
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	13.48	1.66
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	14.23	1.66
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	7.81	1.66
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	9.32	1.66

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	346.72	103.75
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-5.57*	
		For >75 To 100, Deduct	*-14.93*	
		For >100 To 200, Deduct	*-25.69*	
		For >200, Deduct	*-35.05*	
		For Steep Roof, Over 7 To 12, Add	*66.41*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	333.49	102.92
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-5.11*	
		For >75 To 100, Deduct	*-14.08*	
		For >100 To 200, Deduct	*-24.34*	
		For >200, Deduct	*-33.31*	
		For Steep Roof, Over 7 To 12, Add	*65.85*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	549.64	103.75
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-13.68*	
		For >75 To 100, Deduct	*-29.14*	
		For >100 To 200, Deduct	*-48.01*	
		For >200, Deduct	*-63.46*	
		For Steep Roof, Over 7 To 12, Add	*66.41*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	505.70	102.92
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-12.00*	
		For >75 To 100, Deduct	*-26.14*	
		For >100 To 200, Deduct	*-43.28*	
		For >200, Deduct	*-57.42*	
		For Steep Roof, Over 7 To 12, Add	*65.85*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	5.65	1.39
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.12*	
		For >75 To 100, Deduct	*-0.27*	
		For >100 To 200, Deduct	*-0.46*	
		For >200, Deduct	*-0.61*	
		For Steep Roof, Over 7 To 12, Add	*0.87*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 LB felt and fasteners.

07 31 26 00-0001 Shingles Including 30 LB Felt And Nails *(07 31 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	931.97	176.98
		For >50 To 75, Deduct	*-21.55*	
		For >75 To 100, Deduct	*-47.54*	
		For >100 To 200, Deduct	*-78.92*	
		For >200, Deduct	*-104.91*	
		For Graduated Shapes, Add	*80.81*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,080.56	176.98
		For >50 To 75, Deduct	*-27.49*	
		For >75 To 100, Deduct	*-57.94*	
		For >100 To 200, Deduct	*-95.27*	
		For >200, Deduct	*-125.72*	
		For Graduated Shapes, Add	*103.09*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,035.98	176.98
		For >50 To 75, Deduct	*-25.71*	
		For >75 To 100, Deduct	*-54.82*	
		For >100 To 200, Deduct	*-90.36*	
		For >200, Deduct	*-119.47*	
		For Graduated Shapes, Add	*96.41*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,050.84	176.98
		For >50 To 75, Deduct	*-26.30*	
		For >75 To 100, Deduct	*-55.86*	
		For >100 To 200, Deduct	*-92.00*	
		For >200, Deduct	*-121.56*	
		For Graduated Shapes, Add	*98.64*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,110.27	176.98
		For >50 To 75, Deduct	*-28.68*	
		For >75 To 100, Deduct	*-60.02*	
		For >100 To 200, Deduct	*-98.53*	
		For >200, Deduct	*-129.88*	
		For Graduated Shapes, Add	*107.55*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,035.98	176.98
		For >50 To 75, Deduct	*-25.71*	
		For >75 To 100, Deduct	*-54.82*	
		For >100 To 200, Deduct	*-90.36*	
		For >200, Deduct	*-119.47*	
		For Graduated Shapes, Add	*96.41*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	991.40	176.98
		For >50 To 75, Deduct	*-23.93*	
		For >75 To 100, Deduct	*-51.70*	
		For >100 To 200, Deduct	*-85.46*	
		For >200, Deduct	*-113.23*	
		For Graduated Shapes, Add	*89.72*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	1,919.87	176.98
		For >50 To 75, Deduct	*-61.06*	
		For >75 To 100, Deduct	*-116.69*	
		For >100 To 200, Deduct	*-187.59*	
		For >200, Deduct	*-243.22*	
		For Graduated Shapes, Add	*228.99*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,035.98	176.98
		For >50 To 75, Deduct	*-25.71*	
		For >75 To 100, Deduct	*-54.82*	
		For >100 To 200, Deduct	*-90.36*	
		For >200, Deduct	*-119.47*	
		For Graduated Shapes, Add	*96.41*	
		For Steep Roof, Over 7 To 12, Add	*125.85*	

07 31 29 Wood Shingles And Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	580.46	152.77
		For Steep Roof, Over 7 To 12, Add	*97.78*	
		For Pressure-Impregnated Treated (Preservative), Add	*41.24*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	421.60	114.58
		For Steep Roof, Over 7 To 12, Add	*73.33*	
		For Pressure-Impregnated Treated (Preservative), Add	*28.87*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	513.99	129.86
		For Steep Roof, Over 7 To 12, Add	*83.11*	
		For Pressure-Impregnated Treated (Preservative), Add	*38.14*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	421.12	106.94
		For Steep Roof, Over 7 To 12, Add	*68.44*	
		For Pressure-Impregnated Treated (Preservative), Add	*31.09*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	548.83	101.21
		For Steep Roof, Over 7 To 12, Add	*64.78*	
		For Pressure-Impregnated Treated (Preservative), Add	*51.96*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	426.48	85.93
		For Steep Roof, Over 7 To 12, Add	*55.00*	
		For Pressure-Impregnated Treated (Preservative), Add	*38.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0009		#1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*		
07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	412.44	137.50
		For Pressure-Impregnated Treated (Preservative), Add	*20.62*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	402.63	129.86
		For Pressure-Impregnated Treated (Preservative), Add	*21.44*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	407.20	112.67
		For Pressure-Impregnated Treated (Preservative), Add	*27.28*	
07 31 29 13-0013		#2 Grade, Red Cedar Shingles *(07 31 29 13)*		
07 31 29 13-0014		#2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*		
07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	542.86	160.41
		For Steep Roof, Over 7 To 12, Add	*102.66*	
		For Pressure-Impregnated Treated (Preservative), Add	*33.31*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	484.56	145.13
		For Steep Roof, Over 7 To 12, Add	*92.89*	
		For Pressure-Impregnated Treated (Preservative), Add	*29.14*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	514.86	145.13
		For Steep Roof, Over 7 To 12, Add	*92.89*	
		For Pressure-Impregnated Treated (Preservative), Add	*33.69*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	459.50	129.86
		For Steep Roof, Over 7 To 12, Add	*83.11*	
		For Pressure-Impregnated Treated (Preservative), Add	*29.97*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	444.11	101.21
		For Steep Roof, Over 7 To 12, Add	*64.78*	
		For Pressure-Impregnated Treated (Preservative), Add	*36.25*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	363.93	87.85
		For Steep Roof, Over 7 To 12, Add	*56.22*	
		For Pressure-Impregnated Treated (Preservative), Add	*28.24*	
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	401.29	145.13
		For Pressure-Impregnated Treated (Preservative), Add	*16.65*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	387.29	137.50
		For Pressure-Impregnated Treated (Preservative), Add	*16.85*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	371.32	122.22
		For Pressure-Impregnated Treated (Preservative), Add	*19.03*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes *(07 31 29 16)*		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	425.89	124.13
		For Steep Roof, Over 7 To 12, Add	*79.44*	
		For Pressure-Impregnated Treated (Preservative), Add	*26.64*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	485.10	124.13
		For Steep Roof, Over 7 To 12, Add	*79.44*	
		For Pressure-Impregnated Treated (Preservative), Add	*35.53*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	446.67	101.21
		For Steep Roof, Over 7 To 12, Add	*64.78*	
		For Pressure-Impregnated Treated (Preservative), Add	*36.64*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	471.84	101.21
		For Steep Roof, Over 7 To 12, Add	*64.78*	
		For Pressure-Impregnated Treated (Preservative), Add	*40.41*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	444.98	133.68
		For Pressure-Impregnated Treated (Preservative), Add	*26.64*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	504.19	133.68
		For Pressure-Impregnated Treated (Preservative), Add	*35.53*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	473.40	114.58
		For Pressure-Impregnated Treated (Preservative), Add	*36.64*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	498.57	114.58
		For Pressure-Impregnated Treated (Preservative), Add	*40.41*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Wood Hip And Ridge Cap For Wood Shingles Or Shakes *(07 31 29 19)*		
07 31 29 19-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	7.01	1.00
		For Steep Roof, Over 7 To 12, Add	*0.74*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*0.70*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001		Synthetic Polymeric Rubber Slate Shingles *(07 31 33)*		
		Note: As manufactured by EcoStar.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure Note: Gray or black.	793.12	154.01
		For Purple Or Green Color, Add	*77.62*	
		For Brown Or Red Color, Add	*198.90*	
		For Steep Roof, Over 7 To 12, Add	*98.56*	
		For >50 To 75, Deduct	*-12.13*	
		For >75 To 100, Deduct	*-31.96*	
		For >100 To 200, Deduct	*-51.78*	
		For >200, Deduct	*-79.31*	
		For 6.5" Exposure, Add	*52.10*	
		For 6.0" Exposure, Add	*110.38*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure Note: Fire resistant. Gray or black.	1,116.54	154.01
		For Purple, Green, Brown Or Red, Add	*121.28*	
		For Steep Roof, Over 7 To 12, Add	*98.56*	
		For >50 To 75, Deduct	*-20.21*	
		For >75 To 100, Deduct	*-48.13*	
		For >100 To 200, Deduct	*-76.04*	
		For >200, Deduct	*-111.65*	
		For 6.5" Exposure, Add	*75.19*	
		For 6.0" Exposure, Add	*156.60*	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	926.29	154.01
		For Purple, Green, Brown Or Red, Add	*222.59*	
		For Steep Roof, Over 7 To 12, Add	*98.56*	
		For >50 To 75, Deduct	*-15.46*	
		For >75 To 100, Deduct	*-38.61*	
		For >100 To 200, Deduct	*-61.77*	
		For >200, Deduct	*-92.63*	
		For 6.5" Exposure, Add	*61.61*	
		For 6.0" Exposure, Add	*129.41*	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	1,183.12	154.01
		For Purple, Green, Brown Or Red, Add	*96.26*	
		For Steep Roof, Over 7 To 12, Add	*98.56*	
		For >50 To 75, Deduct	*-21.88*	
		For >75 To 100, Deduct	*-51.46*	
		For >100 To 200, Deduct	*-81.03*	
		For >200, Deduct	*-118.31*	
		For 6.5" Exposure, Add	*79.95*	
		For 6.0" Exposure, Add	*166.11*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	8.45	1.03
		For Steep Roof, Over 7 To 12, Add	*0.52*	

07 31 33 00-0007 Synthetic Slate Shingles *(07 31 33)*

Note: As manufactured by Inspire Roofing Products.

07 31 33 00-0008 Class C Synthetic Slate Shingles *(07 31 33 00-0007)*

07 31 33 00-0009	SQ	6" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	1,027.97	114.90
		For Steep Roof, Over 7 To 12, Add	*73.54*	
		For >50 To 75, Deduct	*-19.95*	
		For >75 To 100, Deduct	*-45.65*	
		For >100 To 200, Deduct	*-71.35*	
		For >200, Deduct	*-102.80*	
		For Class C Mix Roof Colors, Add	*46.93*	
		For Class C Cool Roof Colors, Add	*117.41*	
		For Class C Cool Roof Mix Color, Add	*164.34*	
07 31 33 00-0010	SQ	6-1/2" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	957.16	109.41
		For Steep Roof, Over 7 To 12, Add	*70.04*	
		For >50 To 75, Deduct	*-18.46*	
		For >75 To 100, Deduct	*-42.39*	
		For >100 To 200, Deduct	*-66.32*	
		For >200, Deduct	*-95.72*	
		For Class C Mix Roof Colors, Add	*43.41*	
		For Class C Cool Roof Colors, Add	*108.60*	
		For Class C Cool Roof Mix Color, Add	*152.02*	
07 31 33 00-0011	SQ	7" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	891.34	104.46
		For Steep Roof, Over 7 To 12, Add	*66.85*	
		For >50 To 75, Deduct	*-17.06*	
		For >75 To 100, Deduct	*-39.34*	
		For >100 To 200, Deduct	*-61.63*	
		For >200, Deduct	*-89.13*	
		For Class C Mix Roof Colors, Add	*40.13*	
		For Class C Cool Roof Colors, Add	*100.38*	
		For Class C Cool Roof Mix Color, Add	*140.51*	
07 31 33 00-0012	SQ	7-1/2" Exposure, Class C Synthetic Slate Shingles Note: Standard colors.	838.37	99.92
		For Steep Roof, Over 7 To 12, Add	*63.95*	
		For >50 To 75, Deduct	*-15.96*	
		For >75 To 100, Deduct	*-36.92*	
		For >100 To 200, Deduct	*-57.88*	
		For >200, Deduct	*-83.84*	
		For Class C Mix Roof Colors, Add	*37.55*	
		For Class C Cool Roof Colors, Add	*93.93*	
		For Class C Cool Roof Mix Color, Add	*131.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0013	SQ	8" Exposure, Class C Synthetic Slate Shingles	790.13	95.75
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*61.28*	
		For >50 To 75, Deduct	*-14.97*	
		For >75 To 100, Deduct	*-34.72*	
		For >100 To 200, Deduct	*-54.47*	
		For >200, Deduct	*-79.01*	
		For Class C Mix Roof Colors, Add	*35.20*	
		For Class C Cool Roof Colors, Add	*88.06*	
		For Class C Cool Roof Mix Color, Add	*123.26*	
07 31 33 00-0014	LF	Starter Strip, Class C Synthetic Slate Shingle	5.37	1.03
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*0.52*	
		For Class C Mix Roof Colors, Add	*0.22*	
		For Class C Cool Roof Colors, Add	*0.55*	
		For Class C Cool Roof Mix Color, Add	*0.77*	
07 31 33 00-0015	LF	Hip And Ridge, Class C Synthetic Slate Shingle	9.99	1.03
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*0.52*	
		For Class C Mix Roof Colors, Add	*0.49*	
		For Class C Cool Roof Colors, Add	*1.23*	
		For Class C Cool Roof Mix Color, Add	*1.72*	

07 31 33 00-0016 Class A Synthetic Slate Shingles *(07 31 33 00-0007)*

Note: For Class "A" Rating a 35 LB Styrene-Butadiene-Styrene (SBS) underlayment is required.

07 31 33 00-0017	SQ	6" Exposure, Class A Synthetic Slate Shingles	1,118.65	114.90
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*73.54*	
		For >50 To 75, Deduct	*-22.22*	
		For >75 To 100, Deduct	*-50.19*	
		For >100 To 200, Deduct	*-78.15*	
		For >200, Deduct	*-111.87*	
		For Class A Mix Roof Colors, Add	*46.66*	
		For Class A Cool Roof Colors, Add	*116.70*	
		For Class A Cool Roof Mix Color, Add	*163.37*	
07 31 33 00-0018	SQ	6-1/2" Exposure, Class A Synthetic Slate Shingles	1,041.04	109.41
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*70.04*	
		For >50 To 75, Deduct	*-20.55*	
		For >75 To 100, Deduct	*-46.58*	
		For >100 To 200, Deduct	*-72.61*	
		For >200, Deduct	*-104.10*	
		For Class A Mix Roof Colors, Add	*43.16*	
		For Class A Cool Roof Colors, Add	*107.95*	
		For Class A Cool Roof Mix Color, Add	*151.12*	
07 31 33 00-0019	SQ	7" Exposure, Class A Synthetic Slate Shingles	968.88	104.46
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*66.85*	
		For >50 To 75, Deduct	*-19.00*	
		For >75 To 100, Deduct	*-43.22*	
		For >100 To 200, Deduct	*-67.44*	
		For >200, Deduct	*-96.89*	
		For Class A Mix Roof Colors, Add	*39.90*	
		For Class A Cool Roof Colors, Add	*99.78*	
		For Class A Cool Roof Mix Color, Add	*139.68*	
07 31 33 00-0020	SQ	7-1/2" Exposure, Class A Synthetic Slate Shingles	910.91	99.92
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*63.95*	
		For >50 To 75, Deduct	*-17.78*	
		For >75 To 100, Deduct	*-40.55*	
		For >100 To 200, Deduct	*-63.32*	
		For >200, Deduct	*-91.09*	
		For Class A Mix Roof Colors, Add	*37.33*	
		For Class A Cool Roof Colors, Add	*93.36*	
		For Class A Cool Roof Mix Color, Add	*130.69*	
07 31 33 00-0021	SQ	8" Exposure, Class A Synthetic Slate Shingles	858.14	95.75
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*61.28*	
		For >50 To 75, Deduct	*-16.67*	
		For >75 To 100, Deduct	*-38.12*	
		For >100 To 200, Deduct	*-59.57*	
		For >200, Deduct	*-85.81*	
		For Class A Mix Roof Colors, Add	*35.00*	
		For Class A Cool Roof Colors, Add	*87.53*	
		For Class A Cool Roof Mix Color, Add	*122.53*	
07 31 33 00-0022	LF	Starter Strip, Class A Synthetic Slate Shingle	5.63	1.03
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*0.52*	
		For Class A Mix Roof Colors, Add	*0.21*	
		For Class A Cool Roof Colors, Add	*0.52*	
		For Class A Cool Roof Mix Color, Add	*0.73*	
07 31 33 00-0023	LF	Hip And Ridge, Class A Synthetic Slate Shingle	10.94	1.03
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	*0.52*	
		For Class A Mix Roof Colors, Add	*0.49*	
		For Class A Cool Roof Colors, Add	*1.22*	
		For Class A Cool Roof Mix Color, Add	*1.71*	

07 32 Roof Tiles *(07 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,157.18	167.85
		For >25 To 50, Deduct	*-49.29*	
		For >50 To 75, Deduct	*-90.54*	
		For >75 To 100, Deduct	*-123.57*	
		For >100 To 200, Deduct	*-148.40*	
		For >200, Deduct	*-165.00*	
		For 20 Year Warranty, Add	*57.50*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,424.77	167.85
		For >25 To 50, Deduct	*-65.34*	
		For >50 To 75, Deduct	*-117.30*	
		For >75 To 100, Deduct	*-158.36*	
		For >100 To 200, Deduct	*-188.54*	
		For >200, Deduct	*-207.82*	
		For 20 Year Warranty, Add	*76.23*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,424.77	167.85
		For >25 To 50, Deduct	*-65.34*	
		For >50 To 75, Deduct	*-117.30*	
		For >75 To 100, Deduct	*-158.36*	
		For >100 To 200, Deduct	*-188.54*	
		For >200, Deduct	*-207.82*	
		For 20 Year Warranty, Add	*76.23*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,651.82	167.85
		For >25 To 50, Deduct	*-78.96*	
		For >50 To 75, Deduct	*-140.00*	
		For >75 To 100, Deduct	*-187.88*	
		For >100 To 200, Deduct	*-222.59*	
		For >200, Deduct	*-244.15*	
		For 20 Year Warranty, Add	*92.13*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,375.74	205.22
		For >25 To 50, Deduct	*-57.92*	
		For >50 To 75, Deduct	*-106.79*	
		For >75 To 100, Deduct	*-146.01*	
		For >100 To 200, Deduct	*-175.58*	
		For >200, Deduct	*-195.49*	
		For 20 Year Warranty, Add	*67.57*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,775.17	205.22
		For >25 To 50, Deduct	*-81.88*	
		For >50 To 75, Deduct	*-146.73*	
		For >75 To 100, Deduct	*-197.94*	
		For >100 To 200, Deduct	*-235.49*	
		For >200, Deduct	*-259.40*	
		For 20 Year Warranty, Add	*95.53*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,250.76	276.86
		For >25 To 50, Deduct	*-101.83*	
		For >50 To 75, Deduct	*-183.56*	
		For >75 To 100, Deduct	*-248.31*	
		For >100 To 200, Deduct	*-296.10*	
		For >200, Deduct	*-326.91*	
		For 20 Year Warranty, Add	*118.80*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,175.90	205.22
		For >25 To 50, Deduct	*-45.93*	
		For >50 To 75, Deduct	*-86.81*	
		For >75 To 100, Deduct	*-120.03*	
		For >100 To 200, Deduct	*-145.60*	
		For >200, Deduct	*-163.52*	
		For 20 Year Warranty, Add	*53.58*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,499.46	205.22
		For >25 To 50, Deduct	*-65.34*	
		For >50 To 75, Deduct	*-119.16*	
		For >75 To 100, Deduct	*-162.10*	
		For >100 To 200, Deduct	*-194.14*	
		For >200, Deduct	*-215.29*	
		For 20 Year Warranty, Add	*76.23*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,031.48	153.65
		For >25 To 50, Deduct	*-43.45*	
		For >50 To 75, Deduct	*-80.10*	
		For >75 To 100, Deduct	*-109.50*	
		For >100 To 200, Deduct	*-131.67*	
		For >200, Deduct	*-146.60*	
		For 20 Year Warranty, Add	*50.69*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,380.16	153.65
		For >25 To 50, Deduct	*-64.37*	
		For >50 To 75, Deduct	*-114.96*	
		For >75 To 100, Deduct	*-154.83*	
		For >100 To 200, Deduct	*-183.97*	
		For >200, Deduct	*-202.38*	
		For 20 Year Warranty, Add	*75.10*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,680.20	153.65
		For >25 To 50, Deduct	*-82.37*	
		For >50 To 75, Deduct	*-144.97*	
		For >75 To 100, Deduct	*-193.84*	
		For >100 To 200, Deduct	*-228.98*	
		For >200, Deduct	*-250.39*	
		For 20 Year Warranty, Add	*96.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	1,976.21	240.87
		For >25 To 50, Deduct	*-89.67*	
		For >50 To 75, Deduct	*-161.49*	
		For >75 To 100, Deduct	*-218.37*	
		For >100 To 200, Deduct	*-260.30*	
		For >200, Deduct	*-287.29*	
		For 20 Year Warranty, Add	*104.61*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	808.49	167.85
		For >25 To 50, Deduct	*-28.37*	
		For >50 To 75, Deduct	*-55.67*	
		For >75 To 100, Deduct	*-78.24*	
		For >100 To 200, Deduct	*-96.09*	
		For >200, Deduct	*-109.21*	
		For 20 Year Warranty, Add	*33.09*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,063.95	240.87
		For >25 To 50, Deduct	*-34.93*	
		For >50 To 75, Deduct	*-70.27*	
		For >75 To 100, Deduct	*-99.78*	
		For >100 To 200, Deduct	*-123.46*	
		For >200, Deduct	*-141.33*	
		For 20 Year Warranty, Add	*40.76*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	753.88	254.43
		For >50 To 75, Deduct	*-9.80*	
		For >75 To 100, Deduct	*-29.87*	
		For >100 To 200, Deduct	*-52.39*	
		For >200, Deduct	*-72.46*	
		For Steep Roof, Over 7 To 12, Add	*162.86*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,005.31	254.43
		For >50 To 75, Deduct	*-19.85*	
		For >75 To 100, Deduct	*-47.47*	
		For >100 To 200, Deduct	*-80.05*	
		For >200, Deduct	*-107.66*	
		For Steep Roof, Over 7 To 12, Add	*162.86*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	804.16	254.43
		For >50 To 75, Deduct	*-11.81*	
		For >75 To 100, Deduct	*-33.39*	
		For >100 To 200, Deduct	*-57.92*	
		For >200, Deduct	*-79.50*	
		For Steep Roof, Over 7 To 12, Add	*162.86*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	763.15	227.65
		For >50 To 75, Deduct	*-12.31*	
		For >75 To 100, Deduct	*-32.93*	
		For >100 To 200, Deduct	*-56.62*	
		For >200, Deduct	*-77.24*	
		For Steep Roof, Over 7 To 12, Add	*145.72*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.25
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.79
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	4.22
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	4.83
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	5.03

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002	SQ	15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	23.81	4.96
		For Steep Roof, Over 7 To 12, Add	*3.18*	
		For >50 To 75, Deduct	*-0.56*	
		For >75 To 100, Deduct	*-1.22*	
		For >100 To 200, Deduct	*-2.02*	
		For >200, Deduct	*-2.94*	
07 34 00 00-0003	SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	36.85	6.82
		For Steep Roof, Over 7 To 12, Add	*4.37*	
		For >50 To 75, Deduct	*-0.93*	
		For >75 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-4.61*	
07 34 00 00-0004	SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	41.22	6.82
		For Steep Roof, Over 7 To 12, Add	*4.37*	
		For >50 To 75, Deduct	*-1.10*	
		For >75 To 100, Deduct	*-2.27*	
		For >100 To 200, Deduct	*-3.72*	
		For >200, Deduct	*-5.22*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	45.46	10.34
		For Steep Roof, Over 7 To 12, Add	*6.62*	
		For >50 To 75, Deduct	*-0.99*	
		For >75 To 100, Deduct	*-2.25*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	50.63	10.34
		For Steep Roof, Over 7 To 12, Add	*6.62*	
		For >50 To 75, Deduct	*-1.20*	
		For >75 To 100, Deduct	*-2.61*	
		For >100 To 200, Deduct	*-4.33*	
		For >200, Deduct	*-6.26*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	59.16	10.34
		For Steep Roof, Over 7 To 12, Add	*6.62*	
		For >50 To 75, Deduct	*-1.54*	
		For >75 To 100, Deduct	*-3.21*	
		For >100 To 200, Deduct	*-5.27*	
		For >200, Deduct	*-7.45*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	54.90	10.34
		For Steep Roof, Over 7 To 12, Add	*6.62*	
		For >50 To 75, Deduct	*-1.37*	
		For >75 To 100, Deduct	*-2.91*	
		For >100 To 200, Deduct	*-4.80*	
		For >200, Deduct	*-6.86*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	95.83	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-2.83*	
		For >75 To 100, Deduct	*-5.58*	
		For >100 To 200, Deduct	*-9.04*	
		For >200, Deduct	*-12.41*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	145.25	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-4.81*	
		For >75 To 100, Deduct	*-9.04*	
		For >100 To 200, Deduct	*-14.47*	
		For >200, Deduct	*-19.33*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	101.94	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-3.07*	
		For >75 To 100, Deduct	*-6.01*	
		For >100 To 200, Deduct	*-9.71*	
		For >200, Deduct	*-13.27*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	95.83	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-2.83*	
		For >75 To 100, Deduct	*-5.58*	
		For >100 To 200, Deduct	*-9.04*	
		For >200, Deduct	*-12.41*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	138.12	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-4.52*	
		For >75 To 100, Deduct	*-8.54*	
		For >100 To 200, Deduct	*-13.69*	
		For >200, Deduct	*-18.33*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	115.79	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-3.63*	
		For >75 To 100, Deduct	*-6.98*	
		For >100 To 200, Deduct	*-11.23*	
		For >200, Deduct	*-15.21*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	173.33	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-5.93*	
		For >75 To 100, Deduct	*-11.00*	
		For >100 To 200, Deduct	*-17.56*	
		For >200, Deduct	*-23.26*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	198.54	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-6.94*	
		For >75 To 100, Deduct	*-12.77*	
		For >100 To 200, Deduct	*-20.33*	
		For >200, Deduct	*-26.79*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	293.11	12.55
		For Steep Roof, Over 7 To 12, Add	*8.03*	
		For >50 To 75, Deduct	*-10.72*	
		For >75 To 100, Deduct	*-19.39*	
		For >100 To 200, Deduct	*-30.74*	
		For >200, Deduct	*-40.03*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 40 Roofing And Siding Panels (07)

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels (07 41 13 00-0002)

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.58	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		5.91	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		5.44	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		4.98	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		4.59	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0009	SF	29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		4.27	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		4.13	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing		23.05	2.79
		For Steep Roof, Over 7 To 12, Add		*3.55*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.20*	
07 41 13 00-0013	LF	Eave Flashing For Galvanized Steel Exposed Fastener Roofing		18.18	2.79
		For Steep Roof, Over 7 To 12, Add		*3.55*	
		For Fluoropolymer (Kynar®) Coating, Add		*0.71*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing		27.75	2.79
		For Steep Roof, Over 7 To 12, Add		*3.55*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.67*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing		23.48	2.79
		For Steep Roof, Over 7 To 12, Add		*3.55*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.24*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		3.81	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		3.97	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		4.37	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		4.90	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		5.42	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		6.08	0.63
		For Fluoropolymer (Kynar®) Coating, Add		*0.89*	
		For Steep Roof, Over 7 To 12, Add		*0.89*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing		21.82	2.79
		For Steep Roof, Over 7 To 12, Add		*2.23*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.48*	
07 41 13 00-0026	LF	Eave Flashing For Aluminum Exposed Fastener Metal Roofing		15.73	2.79
		For Steep Roof, Over 7 To 12, Add		*2.23*	
		For Fluoropolymer (Kynar®) Coating, Add		*0.88*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing		27.69	2.79
		For Steep Roof, Over 7 To 12, Add		*2.23*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.07*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing		22.36	2.79
		For Steep Roof, Over 7 To 12, Add		*2.23*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.54*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0029		**Standing Seam Roofs** *(07 41 13)* Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)* Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.14	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.48*	
		For Panels <16" Wide, Add	*1.14*	
		For Up To 1,500, Add	*2.29*	
		For >1,500 To 5,000, Add	*1.37*	
		For >5,000 To 10,000, Add	*0.23*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.65	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.49*	
		For Panels <16" Wide, Add	*1.17*	
		For Up To 1,500, Add	*2.41*	
		For >1,500 To 5,000, Add	*1.45*	
		For >5,000 To 10,000, Add	*0.24*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	8.69	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.47*	
		For Panels <16" Wide, Add	*1.12*	
		For Up To 1,500, Add	*2.17*	
		For >1,500 To 5,000, Add	*1.30*	
		For >5,000 To 10,000, Add	*0.22*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	8.87	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.47*	
		For Panels <16" Wide, Add	*1.13*	
		For Up To 1,500, Add	*2.22*	
		For >1,500 To 5,000, Add	*1.33*	
		For >5,000 To 10,000, Add	*0.22*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.07	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.48*	
		For Panels <16" Wide, Add	*1.14*	
		For Up To 1,500, Add	*2.27*	
		For >1,500 To 5,000, Add	*1.36*	
		For >5,000 To 10,000, Add	*0.23*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.81	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.49*	
		For Panels <16" Wide, Add	*1.17*	
		For Up To 1,500, Add	*2.45*	
		For >1,500 To 5,000, Add	*1.47*	
		For >5,000 To 10,000, Add	*0.25*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	24.24	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.37*	
07 41 13 00-0040	LF	Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	18.89	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.27*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	29.41	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.48*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	24.71	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.38*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)* Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	9.50	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.49*	
		For Panels <16" Wide, Add	*1.16*	
		For Up To 1,500, Add	*2.38*	
		For >1,500 To 5,000, Add	*1.43*	
		For >5,000 To 10,000, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	9.93	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.49*	
		For Panels <16" Wide, Add	*1.18*	
		For Up To 1,500, Add	*2.48*	
		For >1,500 To 5,000, Add	*1.49*	
		For >5,000 To 10,000, Add	*0.25*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	9.25	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.48*	
		For Panels <16" Wide, Add	*1.15*	
		For Up To 1,500, Add	*2.31*	
		For >1,500 To 5,000, Add	*1.39*	
		For >5,000 To 10,000, Add	*0.23*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	10.05	1.47
		For Steep Roof, Over 6 To 12, Add	*1.11*	
		For 140 MPH Wind Load, Add	*0.50*	
		For Panels <16" Wide, Add	*1.19*	
		For Up To 1,500, Add	*2.51*	
		For >1,500 To 5,000, Add	*1.51*	
		For >5,000 To 10,000, Add	*0.25*	
07 41 13 00-0049		Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	27.41	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.44*	
07 41 13 00-0051	LF	Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing	20.72	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.30*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	33.87	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.56*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	28.00	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.45*	
07 41 13 00-0054		Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
07 41 13 00-0055		Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	18.08	2.22
		For Steep Roof, Over 6 To 12, Add	*1.66*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Panels <16" Wide, Add	*1.93*	
		For Up To 1,500, Add	*4.52*	
		For >1,500 To 5,000, Add	*2.71*	
		For >5,000 To 10,000, Add	*0.45*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	20.74	2.22
		For Steep Roof, Over 6 To 12, Add	*1.66*	
		For 140 MPH Wind Load, Add	*0.86*	
		For Panels <16" Wide, Add	*2.06*	
		For Up To 1,500, Add	*5.19*	
		For >1,500 To 5,000, Add	*3.11*	
		For >5,000 To 10,000, Add	*0.52*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	23.91	2.22
		For Steep Roof, Over 6 To 12, Add	*1.66*	
		For 140 MPH Wind Load, Add	*0.92*	
		For Panels <16" Wide, Add	*2.22*	
		For Up To 1,500, Add	*5.98*	
		For >1,500 To 5,000, Add	*3.59*	
		For >5,000 To 10,000, Add	*0.60*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	27.96	2.22
		For Steep Roof, Over 6 To 12, Add	*1.66*	
		For 140 MPH Wind Load, Add	*1.00*	
		For Panels <16" Wide, Add	*2.42*	
		For Up To 1,500, Add	*6.99*	
		For >1,500 To 5,000, Add	*4.19*	
		For >5,000 To 10,000, Add	*0.70*	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	61.46	4.44
		For Steep Roof, Over 6 To 12, Add	*3.75*	
		For 140 MPH Wind Load, Add	*2.23*	
07 41 13 00-0062	LF	Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	37.74	4.44
		For Steep Roof, Over 6 To 12, Add	*3.75*	
		For 140 MPH Wind Load, Add	*1.75*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	83.88	4.44
		For Steep Roof, Over 6 To 12, Add	*3.75*	
		For 140 MPH Wind Load, Add	*2.68*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	63.23	4.44
		For Steep Roof, Over 6 To 12, Add	*3.75*	
		For 140 MPH Wind Load, Add	*2.26*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.29	
		For Steep Roof, Over 7 To 12, Add	*0.04*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	0.43	
		For Steep Roof, Over 7 To 12, Add	*0.04*	

07 41 16 Insulated Metal Roof Panels *(07 41)*

07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16)*

07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel *(07 41 16 00-0001)*

Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.

07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	16.34	3.09
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	17.96	3.33
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	19.12	3.62
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	20.03	3.82
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	20.99	4.03
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	21.81	4.24

07 41 16 00-0009 Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16 00-0001)*

Note: Includes fasteners, clips, sealants.

07 41 16 00-0010	LF	Ridge, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	21.41	1.66
07 41 16 00-0011	LF	Hip, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	21.41	1.66
07 41 16 00-0012	LF	Low End Lap Condition, 22 Gauge, 24 Gauge, 26 Gauge, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	13.18	2.96
07 41 16 00-0013	LF	Low Eve, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	7.57	1.03

07 41 33 Plastic Roof Panels *(07 41)*

07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*

07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*

07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	4.25	1.38
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	4.10	1.25
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	4.42	1.38
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	4.24	1.25

07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*

07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	2.57	1.03
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	3.84	1.03
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	4.21	1.03
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	3.22	1.03

07 41 33 00-0012 Fiberglass Roofing Panel *(07 41 33)*

07 41 33 00-0013 Corrugated Panels *(07 41 33 00-0012)*

07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	4.47	1.11
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	5.20	1.11

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	17.73	3.06
		For Non-Insulated Panels, Deduct	*-2.89*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	19.18	3.43
		For Non-Insulated Panels, Deduct	*-3.09*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	20.51	3.81
		For Non-Insulated Panels, Deduct	*-3.29*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	21.91	3.98
		For Non-Insulated Panels, Deduct	*-3.49*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	24.90	4.36
		For Non-Insulated Panels, Deduct	*-4.06*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	29.01	4.81
		For Non-Insulated Panels, Deduct	*-4.87*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	15.40	1.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	16.34	1.20
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	19.50	1.20
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	21.13	1.27
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	22.45	1.27
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.83	0.99
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.07	0.99
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	18.22	1.06
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	17.65	1.06
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	20.82	1.06
07 42 63 00-0013		Polyurethane Sandwich Panel *(07 42 63 00-0001)*		
		Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	9.48	1.20
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.13	1.20
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	11.81	1.20
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	12.85	1.27
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	13.58	1.27
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	8.50	0.99
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.15	0.99
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.84	1.06
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	11.51	1.06
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.54	1.06
07 42 93		**Soffit Panels** *(07 42)*		
07 42 93 00-0001		Aluminum Soffit And Fascia *(07 42 93)*		
		Note: Excludes J-channel.		
07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.01	1.07
		For 0.015" Thick, Deduct	*-0.06*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.69	1.12
		For 0.015" Thick, Deduct	*-0.09*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.04	1.15
		For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.02	1.21
		For 0.015" Thick, Deduct	*-0.17*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.12	1.33
		For 0.015" Thick, Deduct	*-0.25*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.13	1.46
		For 0.015" Thick, Deduct	*-0.36*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.15	1.62
		For 0.015" Thick, Deduct	*-0.49*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	12.20	1.78
		For 0.015" Thick, Deduct	*-0.63*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	3.50	1.05
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	3.82	1.07
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	4.47	1.10
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	5.16	1.12
07 46		Siding *(07 40)*		
07 46 16		**Aluminum Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001		Aluminum Coil Stock Cladding *(07 46 16)*		
		Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	7.06	2.30
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	7.16	2.30
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	7.33	2.30
07 46 16 00-0005		Aluminum Siding Panels *(07 46 16)*		
07 46 16 00-0006		Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	5.30	1.39
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	5.54	1.39
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	6.29	1.39
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	7.75	1.39
07 46 16 00-0011		V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	7.69	1.39
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	8.67	1.39
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	10.99	1.39
07 46 16 00-0015		Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	8.12	1.39
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	9.06	1.39
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	9.64	1.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0019		**Aluminum Siding Accessories** *(07 46 16)*		
07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	2.34	1.00
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	2.34	1.00
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	2.74	1.00
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	2.51	1.00
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	2.51	1.00
07 46 19		**Steel Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels *(07 46 19)*		
07 46 19 00-0002		Corrugated Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.23	1.39
		For Galvanized Instead Of Painted Steel, Add	*1.11*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	6.63	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.96*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	6.49	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.93*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	4.74	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.49*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	4.62	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.46*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	4.54	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.44*	
07 46 19 00-0009		Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.78	1.39
		For Galvanized Instead Of Painted Steel, Add	*1.00*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.52	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.93*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.34	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.89*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.04	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.81*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	5.41	1.39
		For Galvanized Instead Of Painted Steel, Add	*0.66*	
07 46 19 00-0015		Clapboard Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	5.35	0.70
07 46 23		**Wood Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001		Wood Lap Siding *(07 46 23)*		
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	2.70	1.10
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	2.97	1.17
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	3.25	1.26
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	2.85	1.10
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.10	1.10
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	3.64	1.10
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	3.85	1.10
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	3.55	1.10
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.07	1.17
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	3.07	1.17
07 46 23 00-0012		Tongue And Groove Siding *(07 46 23)*		
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	2.69	1.10
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	2.91	1.10
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	2.75	1.10
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	3.05	1.10
07 46 29		**Plywood Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001		T-111 Siding *(07 46 29)*		
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	2.09	0.54
		For Pressure Treated, Add	*0.18*	
07 46 33		**Plastic Siding** *(07 46)*		
		Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001		Vinyl Siding *(07 46 33)*		
		Note: Includes standard manufacturer's colors.		
07 46 33 00-0002		Vinyl Siding Panels *(07 46 33 00-0001)*		
		Note: Excludes J-channels, starter strips and trim.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0003		**Horizontal Vinyl Siding Panels** *(07 46 33 00-0002)*		
		Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.50	1.30
		For 0.040" Thick, Deduct	*-0.13*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.35	1.23
		For 0.040" Thick, Deduct	*-0.13*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.23	1.17
		For 0.040" Thick, Deduct	*-0.13*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.12	1.12
		For 0.040" Thick, Deduct	*-0.13*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	2.96	1.04
		For 0.040" Thick, Deduct	*-0.13*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.36*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	4.19	1.30
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	4.26	1.00
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	7.73	1.00
		For Manufacturer's Custom Colors, Add	*0.29*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	3.39	1.00
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	4.12	1.00
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	2.53	1.00
		For Manufacturer's Custom Colors, Add	*0.03*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	2.37	1.00
		For Manufacturer's Custom Colors, Add	*0.03*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	2.33	1.00
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	2.44	1.00
		For Manufacturer's Custom Colors, Add	*0.03*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	2.89	1.00
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	3.14	1.00
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	3.53	1.00
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	2.39	1.00
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	5.43	1.38
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	5.67	1.38
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	6.21	1.38
		For Manufacturer's Custom Colors, Add	*0.17*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	3.25	1.00
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	4.02	1.00
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	3.46	1.00
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	2.96	1.07
		For 0.038" Thick, Deduct	*-0.36*	
		For 0.040" Thick, Deduct	*-0.31*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	3.61	1.12
		For 0.038" Thick, Deduct	*-0.61*	
		For 0.040" Thick, Deduct	*-0.52*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	3.94	1.15
		For 0.038" Thick, Deduct	*-0.75*	
		For 0.040" Thick, Deduct	*-0.61*	
		For Manufacturer's Custom Colors, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.87	1.21
		For 0.038" Thick, Deduct	*-1.11*	
		For 0.040" Thick, Deduct	*-0.94*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.93	1.33
		For 0.038" Thick, Deduct	*-1.50*	
		For 0.040" Thick, Deduct	*-1.24*	
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.83	1.46
		For 0.038" Thick, Deduct	*-2.25*	
		For 0.040" Thick, Deduct	*-1.87*	
		For Manufacturer's Custom Colors, Add	*0.25*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.76	1.62
		For 0.038" Thick, Deduct	*-3.00*	
		For 0.040" Thick, Deduct	*-2.50*	
		For Manufacturer's Custom Colors, Add	*0.33*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	11.71	1.78
		For 0.038" Thick, Deduct	*-3.74*	
		For 0.040" Thick, Deduct	*-3.13*	
		For Manufacturer's Custom Colors, Add	*0.41*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	3.07	1.05
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	3.41	1.07
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	3.38	1.10
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	3.85	1.12
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0043		Fiberglass Siding *(07 46 33)*		
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	4.70	1.53
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	5.01	1.38
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	5.56	1.38
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	4.50	1.38
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	5.01	1.38
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.65	1.62
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.43	1.53
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.34	1.49
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.23	1.46
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.04	1.38
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.86	1.30
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.02	0.39
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	7.22	1.42
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	3.43	1.15
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.22	0.77
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	2.85	0.84
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.43	0.92
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.52	1.08
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.34	0.77
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	3.02	0.84
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.72	0.92
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	3.88	1.08
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	2.48	0.77
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	3.28	0.84
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	4.09	0.92
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	5.47	1.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	4.24	1.53
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	5.27	1.69
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	5.86	1.69
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	7.74	1.99
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non Vented Fiber Cement Soffit	4.51	1.10
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	4.80	1.10

07 46 63 Fabricated Panel Assemblies With Siding *(07 46)*

07 46 63 00-0001 Metal Siding Panels *(07 46 63)*

07 46 63 00-0002 Insulated Metal Siding Panels *(07 46 63 00-0001)*

07 46 63 00-0003 24 Gauge, Galvanized Steel Insulated Standing Seam Metal Siding Panels *(07 46 63 00-0002)*

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core.

07 46 63 00-0004	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	15.75	1.61
07 46 63 00-0005	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	17.85	1.82
07 46 63 00-0006	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	19.30	2.06
07 46 63 00-0007	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	21.31	2.73

07 50 Membrane Roofing *(07)*

See CSI section 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	70.82
		For Up To 10, Add	*18.60*
		For >10 To 20, Add	*10.41*
		For >20 To 40, Add	*5.76*
		For >75 To 100, Deduct	*-2.88*
		For >100 To 200, Deduct	*-6.31*
		For >200, Deduct	*-9.19*
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	197.61
		For Up To 10, Add	*43.96*
		For >10 To 20, Add	*23.09*
		For >20 To 40, Add	*12.10*
		For >75 To 100, Deduct	*-6.05*
		For >100 To 200, Deduct	*-12.65*
		For >200, Deduct	*-18.70*

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	4.69

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	51.91
		For Up To 10, Add	*14.90*
		For >10 To 20, Add	*8.58*
		For >20 To 40, Add	*4.85*
		For >75 To 100, Deduct	*-2.43*
		For >100 To 200, Deduct	*-5.42*
		For >200, Deduct	*-7.84*
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	55.52
		For Up To 10, Add	*15.62*
		For >10 To 20, Add	*8.94*
		For >20 To 40, Add	*5.03*
		For >75 To 100, Deduct	*-2.52*
		For >100 To 200, Deduct	*-5.60*
		For >200, Deduct	*-8.11*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	59.63	
		For Up To 10, Add	*16.44*	
		For >10 To 20, Add	*9.35*	
		For >20 To 40, Add	*5.24*	
		For >75 To 100, Deduct	*-2.62*	
		For >100 To 200, Deduct	*-5.80*	
		For >200, Deduct	*-8.42*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	105.19	
		For Up To 10, Add	*25.55*	
		For >10 To 20, Add	*13.90*	
		For >20 To 40, Add	*7.52*	
		For >75 To 100, Deduct	*-3.76*	
		For >100 To 200, Deduct	*-8.08*	
		For >200, Deduct	*-11.84*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	178.71	
		For Up To 10, Add	*40.26*	
		For >10 To 20, Add	*21.26*	
		For >20 To 40, Add	*11.19*	
		For >75 To 100, Deduct	*-5.60*	
		For >100 To 200, Deduct	*-11.76*	
		For >200, Deduct	*-17.35*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	135.14	
		For Up To 10, Add	*31.97*	
		For >10 To 20, Add	*17.22*	
		For >20 To 40, Add	*9.23*	
		For >75 To 100, Deduct	*-4.61*	
		For >100 To 200, Deduct	*-9.85*	
		For >200, Deduct	*-14.46*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	2.98	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	55.13	
		For Up To 10, Add	*13.24*	
		For >10 To 20, Add	*7.18*	
		For >20 To 40, Add	*3.86*	
		For >75 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-4.14*	
		For >200, Deduct	*-6.07*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	104.80	
		For Up To 10, Add	*23.18*	
		For >10 To 20, Add	*12.14*	
		For >20 To 40, Add	*6.35*	
		For >75 To 100, Deduct	*-3.17*	
		For >100 To 200, Deduct	*-6.63*	
		For >200, Deduct	*-9.80*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	178.32	
		For Up To 10, Add	*37.88*	
		For >10 To 20, Add	*19.49*	
		For >20 To 40, Add	*10.02*	
		For >75 To 100, Deduct	*-5.01*	
		For >100 To 200, Deduct	*-10.30*	
		For >200, Deduct	*-15.31*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	3.60	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	68.56	
		For Up To 10, Add	*18.15*	
		For >10 To 20, Add	*10.18*	
		For >20 To 40, Add	*5.65*	
		For >75 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-6.20*	
		For >200, Deduct	*-9.02*	
07 51 13 00-0029	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	77.88	
		For Up To 10, Add	*20.01*	
		For >10 To 20, Add	*11.11*	
		For >20 To 40, Add	*6.11*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.67*	
		For >200, Deduct	*-9.72*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0031	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	49.65	
		For Up To 10, Add	*14.44*	
		For >10 To 20, Add	*8.35*	
		For >20 To 40, Add	*4.74*	
		For >75 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-5.30*	
		For >200, Deduct	*-7.67*	
07 51 13 00-0032	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	58.97	
		For Up To 10, Add	*16.31*	
		For >10 To 20, Add	*9.28*	
		For >20 To 40, Add	*5.21*	
		For >75 To 100, Deduct	*-2.60*	
		For >100 To 200, Deduct	*-5.77*	
		For >200, Deduct	*-8.37*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	24.96	
		For Up To 10, Add	*7.21*	
		For >10 To 20, Add	*4.16*	
		For >20 To 40, Add	*2.36*	
		For >75 To 100, Deduct	*-1.18*	
		For >100 To 200, Deduct	*-2.63*	
		For >200, Deduct	*-3.81*	
07 51 13 00-0035	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	34.28	
		For Up To 10, Add	*9.07*	
		For >10 To 20, Add	*5.09*	
		For >20 To 40, Add	*2.82*	
		For >75 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-3.10*	
		For >200, Deduct	*-4.51*	

07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

07 51 13 00-0037	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	109.15	
		For Up To 10, Add	*32.91*	
		For >10 To 20, Add	*19.23*	
		For >20 To 40, Add	*11.00*	
		For >75 To 100, Deduct	*-5.50*	
		For >100 To 200, Deduct	*-12.39*	
		For >200, Deduct	*-17.88*	
07 51 13 00-0038	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	164.01	
		For Up To 10, Add	*43.89*	
		For >10 To 20, Add	*24.71*	
		For >20 To 40, Add	*13.74*	
		For >75 To 100, Deduct	*-6.87*	
		For >100 To 200, Deduct	*-15.13*	
		For >200, Deduct	*-22.00*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	110.55	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	30.56	
		For Up To 10, Add	*7.57*	
		For >10 To 20, Add	*4.15*	
		For >20 To 40, Add	*2.26*	
		For >75 To 100, Deduct	*-1.13*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.57*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	80.76	
		For Up To 10, Add	*18.81*	
		For >10 To 20, Add	*10.07*	
		For >20 To 40, Add	*5.37*	
		For >75 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-5.70*	
		For >200, Deduct	*-8.38*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	71.69	
		For Up To 10, Add	*17.00*	
		For >10 To 20, Add	*9.16*	
		For >20 To 40, Add	*4.91*	
		For >75 To 100, Deduct	*-2.46*	
		For >100 To 200, Deduct	*-5.25*	
		For >200, Deduct	*-7.70*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	96.44	
		For Up To 10, Add	*21.95*	
		For >10 To 20, Add	*11.64*	
		For >20 To 40, Add	*6.15*	
		For >75 To 100, Deduct	*-3.08*	
		For >100 To 200, Deduct	*-6.48*	
		For >200, Deduct	*-9.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	97.25	
		For Up To 10, Add	*22.11*	
		For >10 To 20, Add	*11.72*	
		For >20 To 40, Add	*6.19*	
		For >75 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-6.53*	
		For >200, Deduct	*-9.62*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*29.03*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	100.59	
		For Up To 10, Add	*22.78*	
		For >10 To 20, Add	*12.05*	
		For >20 To 40, Add	*6.36*	
		For >75 To 100, Deduct	*-3.18*	
		For >100 To 200, Deduct	*-6.69*	
		For >200, Deduct	*-9.87*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*30.14*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	1.58	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	3.70	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	23.90	

07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	20.21	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	24.11	

07 51 13 00-0052 Cant And Tapered Edge Strips *(07 51 13 00-0001)*

07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	2.66	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	2.75	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	3.17	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	2.65	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	2.75	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	2.97	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	3.46	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	3.59	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	4.10	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	4.05	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	4.97	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	5.64	

07 51 13 00-0065 Asphalt Primer *(07 51 13 00-0001)*

07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	22.20	

07 51 13 00-0067 Demolish Built-Up Roofing *(07 51 13 00-0001)*

Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.

07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	232.77	
		For Up To 10, Add	*57.68*	
		For >10 To 25, Add	*34.61*	
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.	179.57	
		For Up To 10, Add	*44.50*	
		For >10 To 25, Add	*26.70*	

07 51 13 00-0070 Roofing System Warranty *(07 51 13 00-0001)*

Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.

07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	364.21	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	5.20	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	416.24	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.32	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	572.33	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	11.45	

07 51 13 00-0077 Built-Up Roofing Components (Tremco) *(07 51 13)*

Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0078 Cold Applied BUR Base Plies And Ply Sheets *(07 51 13 00-0077)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	86.56	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	105.20	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	116.59	
07 51 13 00-0082	SQ	28 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	26.51	
07 51 13 00-0083	SQ	33 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	38.44	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	159.60	
07 51 13 00-0085	SQ	POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	147.64	

07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0077)*

07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	90.32	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	239.18	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	395.61	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	105.51	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	161.89	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	392.52	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	285.66	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	283.25	

07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	164.46	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	325.75	

07 51 13 00-0098 Flashings *(07 51 13 00-0077)*

07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	10.13	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	16.44	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	21.81	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	32.01	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	52.69	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	8.01	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	13.05	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	17.37	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	25.40	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	42.74	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.25	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.35	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.30	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	8.54	

07 51 13 00-0113 Cold Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	102.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	168.28	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	130.00	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	102.04	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	51.67	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	114.96	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	113.44	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	316.64	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	175.07	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	196.64	

07 51 13 00-0124 Hot Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	36.69	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	68.00	

07 51 13 00-0127 Flashings Adhesives *(07 51 13 00-0077)*

07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	12.33	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	16.33	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	9.93	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	3.78	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	3.89	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	3.80	

07 51 13 00-0134 Surfacing *(07 51 13 00-0077)*

07 51 13 00-0135	SQ	TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating	152.15	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	340.23	
07 51 13 00-0137	SQ	Polar Coat	87.22	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	106.98	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	311.29	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	140.91	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	40.14	

07 51 13 00-0142 Walkway Protection Pads *(07 51 13 00-0077)*

07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	19.70	

07 51 13 00-0144 Primer *(07 51 13 00-0077)*

07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	22.68	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	50.02	

07 51 13 00-0147 Liquid Applied Roofing *(07 51 13 00-0077)*

07 51 13 00-0148	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	258.75	
07 51 13 00-0149	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	263.50	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	331.61	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	431.30	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	246.66	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	36.32	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	51.58	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	55.06	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	36.97	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	33.01	

07 51 13 00-0158 Atactic-Polypropylene (APP) Products *(07 51 13 00-0077)*

07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	133.49	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	252.62	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	202.45	

07 51 13 00-0162 Tri-Polymer Alloy (TPA) White Membrane *(07 51 13 00-0077)*

07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	354.55	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	486.53	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	552.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	407.82	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	500.45	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	612.40	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	73.02	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	82.92	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	11.85	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	40.23	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	190.21	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	192.72	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	343.81	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	221.24	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	249.41	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	363.15	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	595.45	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	96.36	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	108.85	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	94.55	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	63.06	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)*		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	416.67	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	298.14	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	369.09	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	383.53	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	533.92	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	600.20	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	252.01	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	318.11	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	194.60	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	377.16	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	464.26	
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	505.04	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	532.23	
07 51 13 00-0213		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.		
07 51 13 00-0214	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	427.73	
07 51 13 00-0215	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	676.67	
07 51 13 00-0216	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	550.92	
07 51 13 00-0217		**Base Ply** *(07 51 13 00-0195)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0218	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	380.98	
07 51 13 00-0219	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	239.51	
07 51 13 00-0220	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	54.89	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0221	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	36.36	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0222	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	44.26	
07 51 13 00-0223	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	48.08	
07 51 13 00-0224	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	74.69	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0225	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	242.50	
07 51 13 00-0226	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	209.35	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0227	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	212.50	
07 51 13 00-0228	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	176.39	
07 51 13 00-0229	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	3.21	
07 51 13 00-0230	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	8.84	
07 51 13 00-0231	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	42.35	
07 51 13 00-0232	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.18	
07 51 13 00-0233	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.03	
07 51 13 00-0234	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.53	
07 51 13 00-0235	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	92.44	
07 51 13 00-0236		**Coatings And Mastics For Roof Installation, Restoration And Repairs** *(07 51 13 00-0195)*		
07 51 13 00-0237	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	26.90	
07 51 13 00-0238	SQ	Black-Knight® Primer	24.90	
07 51 13 00-0239	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	101.88	
07 51 13 00-0240	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	107.97	
07 51 13 00-0241	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	171.96	
07 51 13 00-0242	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	276.29	
07 51 13 00-0243	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	284.44	
07 51 13 00-0244	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	133.00	
07 51 13 00-0245	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	219.89	
07 51 13 00-0246	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	338.90	
07 51 13 00-0247	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	563.15	
07 51 13 00-0248	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	235.90	
07 51 13 00-0249	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	244.05	
07 51 13 00-0250	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	517.15	
07 51 13 00-0251	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	224.02	
07 51 13 00-0252	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	109.61	
07 51 13 00-0253	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	117.76	
07 51 13 00-0254	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	102.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0255	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	95.60	
07 51 13 00-0256	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products Note: Adheres all insulation layers for cold systems.	12.20	
07 51 13 00-0257	SQ	Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	115.58	
07 51 13 00-0258	SQ	Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	112.05	
07 51 13 00-0259	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	14.37	
07 51 13 00-0260	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	149.58	
07 51 13 00-0261	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	858.79	
07 51 13 00-0262	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	190.94	
07 51 13 00-0263	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	232.91	
07 51 13 00-0264	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	86.79	
07 51 13 00-0265	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	288.53	
07 51 13 00-0266	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.	86.14	

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	131.60
		For Up To 10, Add	*30.75*
		For >10 To 20, Add	*16.49*
		For >20 To 40, Add	*8.80*
		For >75 To 100, Deduct	*-4.40*
		For >100 To 200, Deduct	*-9.35*
		For >200, Deduct	*-13.75*
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	160.55
		For Up To 10, Add	*36.54*
		For >10 To 20, Add	*19.38*
		For >20 To 40, Add	*10.24*
		For >75 To 100, Deduct	*-5.12*
		For >100 To 200, Deduct	*-10.80*
		For >200, Deduct	*-15.92*
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	272.36
		For Up To 10, Add	*58.91*
		For >10 To 20, Add	*30.56*
		For >20 To 40, Add	*15.84*
		For >75 To 100, Deduct	*-7.92*
		For >100 To 200, Deduct	*-16.39*
		For >200, Deduct	*-24.31*
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	274.46
		For Up To 10, Add	*59.75*
		For >10 To 20, Add	*31.09*
		For >20 To 40, Add	*16.15*
		For >75 To 100, Deduct	*-8.08*
		For >100 To 200, Deduct	*-16.76*
		For >200, Deduct	*-24.83*
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	182.08
		For Up To 10, Add	*41.27*
		For >10 To 20, Add	*21.85*
		For >20 To 40, Add	*11.53*
		For >75 To 100, Deduct	*-5.77*
		For >100 To 200, Deduct	*-12.14*
		For >200, Deduct	*-17.90*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	211.36
		For Up To 10, Add	*47.13*
		For >10 To 20, Add	*24.78*
		For >20 To 40, Add	*13.00*
		For >75 To 100, Deduct	*-6.50*
		For >100 To 200, Deduct	*-13.60*
		For >200, Deduct	*-20.10*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	291.14
		For Up To 10, Add	*63.08*
		For >10 To 20, Add	*32.75*
		For >20 To 40, Add	*16.98*
		For >75 To 100, Deduct	*-8.49*
		For >100 To 200, Deduct	*-17.59*
		For >200, Deduct	*-26.08*
		For Factory Applied White Reflective Surfacing, Add	*60.27*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0010		Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*		
07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	5.44	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	5.60	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 13 13		**Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** ***(07 52 13)***		
07 52 13 13-0001		Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002		Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*		
07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	94.51	
		For Up To 10, Add	*23.33*	
		For >10 To 20, Add	*12.77*	
		For >20 To 40, Add	*6.94*	
		For >75 To 100, Deduct	*-3.47*	
		For >100 To 200, Deduct	*-7.49*	
		For >200, Deduct	*-10.96*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	123.46	
		For Up To 10, Add	*29.12*	
		For >10 To 20, Add	*15.67*	
		For >20 To 40, Add	*8.39*	
		For >75 To 100, Deduct	*-4.19*	
		For >100 To 200, Deduct	*-8.94*	
		For >200, Deduct	*-13.14*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	148.15	
		For Up To 10, Add	*36.28*	
		For >10 To 20, Add	*19.80*	
		For >20 To 40, Add	*10.73*	
		For >75 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-11.56*	
		For >200, Deduct	*-16.93*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	155.57	
		For Up To 10, Add	*37.76*	
		For >10 To 20, Add	*20.54*	
		For >20 To 40, Add	*11.10*	
		For >75 To 100, Deduct	*-5.55*	
		For >100 To 200, Deduct	*-11.93*	
		For >200, Deduct	*-17.49*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	215.71	
		For Up To 10, Add	*49.79*	
		For >10 To 20, Add	*26.56*	
		For >20 To 40, Add	*14.11*	
		For >75 To 100, Deduct	*-7.06*	
		For >100 To 200, Deduct	*-14.94*	
		For >200, Deduct	*-22.00*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	148.15	
		For Up To 10, Add	*36.28*	
		For >10 To 20, Add	*19.80*	
		For >20 To 40, Add	*10.73*	
		For >75 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-11.56*	
		For >200, Deduct	*-16.93*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	157.42	
		For Up To 10, Add	*38.13*	
		For >10 To 20, Add	*20.73*	
		For >20 To 40, Add	*11.20*	
		For >75 To 100, Deduct	*-5.60*	
		For >100 To 200, Deduct	*-12.03*	
		For >200, Deduct	*-17.63*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	215.71	
		For Up To 10, Add	*49.79*	
		For >10 To 20, Add	*26.56*	
		For >20 To 40, Add	*14.11*	
		For >75 To 100, Deduct	*-7.06*	
		For >100 To 200, Deduct	*-14.94*	
		For >200, Deduct	*-22.00*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	153.99	
		For Up To 10, Add	*37.45*	
		For >10 To 20, Add	*20.39*	
		For >20 To 40, Add	*11.02*	
		For >75 To 100, Deduct	*-5.51*	
		For >100 To 200, Deduct	*-11.86*	
		For >200, Deduct	*-17.37*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	162.98	
		For Up To 10, Add	*39.25*	
		For >10 To 20, Add	*21.29*	
		For >20 To 40, Add	*11.47*	
		For >75 To 100, Deduct	*-5.74*	
		For >100 To 200, Deduct	*-12.31*	
		For >200, Deduct	*-18.04*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	185.03	
		For Up To 10, Add	*43.66*	
		For >10 To 20, Add	*23.49*	
		For >20 To 40, Add	*12.58*	
		For >75 To 100, Deduct	*-6.29*	
		For >100 To 200, Deduct	*-13.41*	
		For >200, Deduct	*-19.70*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	187.72	
		For Up To 10, Add	*44.19*	
		For >10 To 20, Add	*23.76*	
		For >20 To 40, Add	*12.71*	
		For >75 To 100, Deduct	*-6.36*	
		For >100 To 200, Deduct	*-13.54*	
		For >200, Deduct	*-19.90*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	263.06	
		For Up To 10, Add	*59.26*	
		For >10 To 20, Add	*31.29*	
		For >20 To 40, Add	*16.48*	
		For >75 To 100, Deduct	*-8.24*	
		For >100 To 200, Deduct	*-17.31*	
		For >200, Deduct	*-25.55*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.15	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.24	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.82	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.30	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.54	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.30	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	141.25	
		For Up To 10, Add	*30.47*	
		For >10 To 20, Add	*15.79*	
		For >20 To 40, Add	*8.17*	
		For >75 To 100, Deduct	*-4.09*	
		For >100 To 200, Deduct	*-8.45*	
		For >200, Deduct	*-12.53*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	103.25	
		For Up To 10, Add	*25.08*	
		For >10 To 20, Add	*13.65*	
		For >20 To 40, Add	*7.38*	
		For >75 To 100, Deduct	*-3.69*	
		For >100 To 200, Deduct	*-7.93*	
		For >200, Deduct	*-11.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	135.40	
		For Up To 10, Add	*31.51*	
		For >10 To 20, Add	*16.87*	
		For >20 To 40, Add	*8.99*	
		For >75 To 100, Deduct	*-4.49*	
		For >100 To 200, Deduct	*-9.54*	
		For >200, Deduct	*-14.03*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	139.54	
		For Up To 10, Add	*32.34*	
		For >10 To 20, Add	*17.28*	
		For >20 To 40, Add	*9.19*	
		For >75 To 100, Deduct	*-4.60*	
		For >100 To 200, Deduct	*-9.75*	
		For >200, Deduct	*-14.35*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	190.82	
		For Up To 10, Add	*42.60*	
		For >10 To 20, Add	*22.41*	
		For >20 To 40, Add	*11.76*	
		For >75 To 100, Deduct	*-5.88*	
		For >100 To 200, Deduct	*-12.31*	
		For >200, Deduct	*-18.19*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	242.71	
		For Up To 10, Add	*52.98*	
		For >10 To 20, Add	*27.60*	
		For >20 To 40, Add	*14.35*	
		For >75 To 100, Deduct	*-7.18*	
		For >100 To 200, Deduct	*-14.91*	
		For >200, Deduct	*-22.08*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	201.80	
		For Up To 10, Add	*45.21*	
		For >10 To 20, Add	*23.82*	
		For >20 To 40, Add	*12.52*	
		For >75 To 100, Deduct	*-6.26*	
		For >100 To 200, Deduct	*-13.12*	
		For >200, Deduct	*-19.38*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	207.37	
		For Up To 10, Add	*46.33*	
		For >10 To 20, Add	*24.38*	
		For >20 To 40, Add	*12.80*	
		For >75 To 100, Deduct	*-6.40*	
		For >100 To 200, Deduct	*-13.40*	
		For >200, Deduct	*-19.80*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	181.24	
		For Up To 10, Add	*41.10*	
		For >10 To 20, Add	*21.76*	
		For >20 To 40, Add	*11.49*	
		For >75 To 100, Deduct	*-5.74*	
		For >100 To 200, Deduct	*-12.10*	
		For >200, Deduct	*-17.84*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	183.65	
		For Up To 10, Add	*41.58*	
		For >10 To 20, Add	*22.01*	
		For >20 To 40, Add	*11.61*	
		For >75 To 100, Deduct	*-5.80*	
		For >100 To 200, Deduct	*-12.22*	
		For >200, Deduct	*-18.02*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	205.89	
		For Up To 10, Add	*46.03*	
		For >10 To 20, Add	*24.23*	
		For >20 To 40, Add	*12.72*	
		For >75 To 100, Deduct	*-6.36*	
		For >100 To 200, Deduct	*-13.33*	
		For >200, Deduct	*-19.69*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	209.60	
		For Up To 10, Add	*46.77*	
		For >10 To 20, Add	*24.60*	
		For >20 To 40, Add	*12.91*	
		For >75 To 100, Deduct	*-6.45*	
		For >100 To 200, Deduct	*-13.51*	
		For >200, Deduct	*-19.97*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	242.03	
		For Up To 10, Add	*53.26*	
		For >10 To 20, Add	*27.84*	
		For >20 To 40, Add	*14.53*	
		For >75 To 100, Deduct	*-7.26*	
		For >100 To 200, Deduct	*-15.14*	
		For >200, Deduct	*-22.40*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	301.11	
		For Up To 10, Add	*65.08*	
		For >10 To 20, Add	*33.75*	
		For >20 To 40, Add	*17.48*	
		For >75 To 100, Deduct	*-8.74*	
		For >100 To 200, Deduct	*-18.09*	
		For >200, Deduct	*-26.83*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	185.26	
		For Up To 10, Add	*41.91*	
		For >10 To 20, Add	*22.17*	
		For >20 To 40, Add	*11.69*	
		For >75 To 100, Deduct	*-5.85*	
		For >100 To 200, Deduct	*-12.30*	
		For >200, Deduct	*-18.14*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	191.07	
		For Up To 10, Add	*43.07*	
		For >10 To 20, Add	*22.75*	
		For >20 To 40, Add	*11.98*	
		For >75 To 100, Deduct	*-5.99*	
		For >100 To 200, Deduct	*-12.59*	
		For >200, Deduct	*-18.58*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	222.57	
		For Up To 10, Add	*49.37*	
		For >10 To 20, Add	*25.90*	
		For >20 To 40, Add	*13.56*	
		For >75 To 100, Deduct	*-6.78*	
		For >100 To 200, Deduct	*-14.16*	
		For >200, Deduct	*-20.94*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	223.31	
		For Up To 10, Add	*49.52*	
		For >10 To 20, Add	*25.97*	
		For >20 To 40, Add	*13.59*	
		For >75 To 100, Deduct	*-6.80*	
		For >100 To 200, Deduct	*-14.20*	
		For >200, Deduct	*-21.00*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	237.40	
		For Up To 10, Add	*52.33*	
		For >10 To 20, Add	*27.38*	
		For >20 To 40, Add	*14.30*	
		For >75 To 100, Deduct	*-7.15*	
		For >100 To 200, Deduct	*-14.90*	
		For >200, Deduct	*-22.05*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.77	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.50	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.53	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.79	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.11	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.70	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.54	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.60	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.93	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.07	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.22	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	10.38	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0001			**Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing** *(07 52 16 12)* Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002			**Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets** *(07 52 16 12-0001)*		
	07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	84.34	
			For Up To 10, Add	*21.38*	
			For >10 To 20, Add	*11.82*	
			For >20 To 40, Add	*6.47*	
			For >75 To 100, Deduct	*-3.24*	
			For >100 To 200, Deduct	*-7.04*	
			For >200, Deduct	*-10.28*	
	07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	116.49	
			For Up To 10, Add	*27.81*	
			For >10 To 20, Add	*15.03*	
			For >20 To 40, Add	*8.08*	
			For >75 To 100, Deduct	*-4.04*	
			For >100 To 200, Deduct	*-8.65*	
			For >200, Deduct	*-12.69*	
	07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	120.64	
			For Up To 10, Add	*28.64*	
			For >10 To 20, Add	*15.45*	
			For >20 To 40, Add	*8.29*	
			For >75 To 100, Deduct	*-4.14*	
			For >100 To 200, Deduct	*-8.85*	
			For >200, Deduct	*-13.00*	
	07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	171.91	
			For Up To 10, Add	*38.90*	
			For >10 To 20, Add	*20.58*	
			For >20 To 40, Add	*10.85*	
			For >75 To 100, Deduct	*-5.43*	
			For >100 To 200, Deduct	*-11.42*	
			For >200, Deduct	*-16.84*	
	07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	223.80	
			For Up To 10, Add	*49.27*	
			For >10 To 20, Add	*25.77*	
			For >20 To 40, Add	*13.45*	
			For >75 To 100, Deduct	*-6.72*	
			For >100 To 200, Deduct	*-14.01*	
			For >200, Deduct	*-20.73*	
	07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	182.94	
			For Up To 10, Add	*41.53*	
			For >10 To 20, Add	*22.00*	
			For >20 To 40, Add	*11.62*	
			For >75 To 100, Deduct	*-5.81*	
			For >100 To 200, Deduct	*-12.24*	
			For >200, Deduct	*-18.05*	
	07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	188.52	
			For Up To 10, Add	*42.65*	
			For >10 To 20, Add	*22.56*	
			For >20 To 40, Add	*11.90*	
			For >75 To 100, Deduct	*-5.95*	
			For >100 To 200, Deduct	*-12.52*	
			For >200, Deduct	*-18.47*	
	07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	162.38	
			For Up To 10, Add	*37.42*	
			For >10 To 20, Add	*19.95*	
			For >20 To 40, Add	*10.59*	
			For >75 To 100, Deduct	*-5.30*	
			For >100 To 200, Deduct	*-11.21*	
			For >200, Deduct	*-16.50*	
			For Factory Applied White Reflective Surfacing, Add	*60.27*	
	07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	164.79	
			For Up To 10, Add	*37.90*	
			For >10 To 20, Add	*20.19*	
			For >20 To 40, Add	*10.71*	
			For >75 To 100, Deduct	*-5.36*	
			For >100 To 200, Deduct	*-11.33*	
			For >200, Deduct	*-16.69*	
			For Factory Applied White Reflective Surfacing, Add	*60.27*	
	07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	187.03	
			For Up To 10, Add	*42.35*	
			For >10 To 20, Add	*22.41*	
			For >20 To 40, Add	*11.82*	
			For >75 To 100, Deduct	*-5.91*	
			For >100 To 200, Deduct	*-12.44*	
			For >200, Deduct	*-18.35*	
			For Factory Applied White Reflective Surfacing, Add	*60.27*	
	07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	190.74	
			For Up To 10, Add	*43.09*	
			For >10 To 20, Add	*22.78*	
			For >20 To 40, Add	*12.01*	
			For >75 To 100, Deduct	*-6.00*	
			For >100 To 200, Deduct	*-12.63*	
			For >200, Deduct	*-18.63*	
			For Factory Applied White Reflective Surfacing, Add	*60.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	223.17	
		For Up To 10, Add	*49.58*	
		For >10 To 20, Add	*26.03*	
		For >20 To 40, Add	*13.63*	
		For >75 To 100, Deduct	*-6.82*	
		For >100 To 200, Deduct	*-14.25*	
		For >200, Deduct	*-21.06*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	282.26	
		For Up To 10, Add	*61.40*	
		For >10 To 20, Add	*31.93*	
		For >20 To 40, Add	*16.59*	
		For >75 To 100, Deduct	*-8.29*	
		For >100 To 200, Deduct	*-17.20*	
		For >200, Deduct	*-25.50*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	166.41	
		For Up To 10, Add	*38.23*	
		For >10 To 20, Add	*20.35*	
		For >20 To 40, Add	*10.79*	
		For >75 To 100, Deduct	*-5.40*	
		For >100 To 200, Deduct	*-11.41*	
		For >200, Deduct	*-16.81*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	172.21	
		For Up To 10, Add	*39.39*	
		For >10 To 20, Add	*20.93*	
		For >20 To 40, Add	*11.08*	
		For >75 To 100, Deduct	*-5.54*	
		For >100 To 200, Deduct	*-11.70*	
		For >200, Deduct	*-17.24*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	203.71	
		For Up To 10, Add	*45.69*	
		For >10 To 20, Add	*24.08*	
		For >20 To 40, Add	*12.66*	
		For >75 To 100, Deduct	*-6.33*	
		For >100 To 200, Deduct	*-13.28*	
		For >200, Deduct	*-19.60*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	204.45	
		For Up To 10, Add	*45.83*	
		For >10 To 20, Add	*24.15*	
		For >20 To 40, Add	*12.69*	
		For >75 To 100, Deduct	*-6.35*	
		For >100 To 200, Deduct	*-13.31*	
		For >200, Deduct	*-19.66*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	218.54	
		For Up To 10, Add	*48.65*	
		For >10 To 20, Add	*25.56*	
		For >20 To 40, Add	*13.40*	
		For >75 To 100, Deduct	*-6.70*	
		For >100 To 200, Deduct	*-14.02*	
		For >200, Deduct	*-20.72*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.05	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	2.79	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	2.81	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.04	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.07	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.40	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.99	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	2.83	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	2.89	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.15	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.35	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.51	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	8.67	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	174.10
		For Up To 10, Add	*41.47*
		For >10 To 20, Add	*22.40*
		For >20 To 40, Add	*12.03*
		For >75 To 100, Deduct	*-6.02*
		For >100 To 200, Deduct	*-12.86*
		For >200, Deduct	*-18.88*
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	156.12
		For Up To 10, Add	*37.87*
		For >10 To 20, Add	*20.60*
		For >20 To 40, Add	*11.13*
		For >75 To 100, Deduct	*-5.57*
		For >100 To 200, Deduct	*-11.96*
		For >200, Deduct	*-17.53*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	177.25
		For Up To 10, Add	*42.10*
		For >10 To 20, Add	*22.71*
		For >20 To 40, Add	*12.19*
		For >75 To 100, Deduct	*-6.09*
		For >100 To 200, Deduct	*-13.02*
		For >200, Deduct	*-19.11*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	273.03
		For Up To 10, Add	*61.26*
		For >10 To 20, Add	*32.29*
		For >20 To 40, Add	*16.98*
		For >75 To 100, Deduct	*-8.49*
		For >100 To 200, Deduct	*-17.81*
		For >200, Deduct	*-26.30*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	162.16
		For Up To 10, Add	*39.08*
		For >10 To 20, Add	*21.20*
		For >20 To 40, Add	*11.43*
		For >75 To 100, Deduct	*-5.72*
		For >100 To 200, Deduct	*-12.26*
		For >200, Deduct	*-17.98*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	187.07
		For Up To 10, Add	*44.06*
		For >10 To 20, Add	*23.69*
		For >20 To 40, Add	*12.68*
		For >75 To 100, Deduct	*-6.34*
		For >100 To 200, Deduct	*-13.51*
		For >200, Deduct	*-19.85*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	195.10
		For Up To 10, Add	*45.79*
		For >10 To 20, Add	*24.59*
		For >20 To 40, Add	*13.14*
		For >75 To 100, Deduct	*-6.57*
		For >100 To 200, Deduct	*-13.99*
		For >200, Deduct	*-20.56*
		For Factory Applied White Reflective Surfacing, Add	*60.27*
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	253.23
		For Up To 10, Add	*57.42*
		For >10 To 20, Add	*30.40*
		For >20 To 40, Add	*16.05*
		For >75 To 100, Deduct	*-8.02*
		For >100 To 200, Deduct	*-16.89*
		For >200, Deduct	*-24.92*
		For Factory Applied White Reflective Surfacing, Add	*60.27*

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	2.46
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	2.45
		For Factory Applied White Reflective Surfacing, Add	*0.60*
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.40
		For Factory Applied White Reflective Surfacing, Add	*0.60*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	2.56	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	2.61	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.20	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.33	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	8.08	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	109.31	
		For Up To 10, Add	*24.08*	
		For >10 To 20, Add	*12.59*	
		For >20 To 40, Add	*6.57*	
		For >75 To 100, Deduct	*-3.29*	
		For >100 To 200, Deduct	*-6.85*	
		For >200, Deduct	*-10.14*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	83.95	
		For Up To 10, Add	*19.01*	
		For >10 To 20, Add	*10.06*	
		For >20 To 40, Add	*5.31*	
		For >75 To 100, Deduct	*-2.65*	
		For >100 To 200, Deduct	*-5.58*	
		For >200, Deduct	*-8.24*	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	108.92	
		For Up To 10, Add	*24.00*	
		For >10 To 20, Add	*12.55*	
		For >20 To 40, Add	*6.55*	
		For >75 To 100, Deduct	*-3.28*	
		For >100 To 200, Deduct	*-6.83*	
		For >200, Deduct	*-10.11*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	136.49	
		For Up To 10, Add	*29.51*	
		For >10 To 20, Add	*15.31*	
		For >20 To 40, Add	*7.93*	
		For >75 To 100, Deduct	*-3.97*	
		For >100 To 200, Deduct	*-8.21*	
		For >200, Deduct	*-12.18*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	171.52	
		For Up To 10, Add	*36.52*	
		For >10 To 20, Add	*18.81*	
		For >20 To 40, Add	*9.68*	
		For >75 To 100, Deduct	*-4.84*	
		For >100 To 200, Deduct	*-9.96*	
		For >200, Deduct	*-14.80*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	2.13	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	2.18	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	87.37	
		For Up To 10, Add	*20.13*	
		For >10 To 20, Add	*10.73*	
		For >20 To 40, Add	*5.70*	
		For >75 To 100, Deduct	*-2.85*	
		For >100 To 200, Deduct	*-6.03*	
		For >200, Deduct	*-8.88*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	92.62	
		For Up To 10, Add	*21.18*	
		For >10 To 20, Add	*11.26*	
		For >20 To 40, Add	*5.96*	
		For >75 To 100, Deduct	*-2.98*	
		For >100 To 200, Deduct	*-6.29*	
		For >200, Deduct	*-9.27*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	156.78	
		For Up To 10, Add	*34.22*	
		For >10 To 20, Add	*17.82*	
		For >20 To 40, Add	*9.27*	
		For >75 To 100, Deduct	*-4.63*	
		For >100 To 200, Deduct	*-9.63*	
		For >200, Deduct	*-14.26*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	187.58	
		For Up To 10, Add	*40.38*	
		For >10 To 20, Add	*20.90*	
		For >20 To 40, Add	*10.81*	
		For >75 To 100, Deduct	*-5.40*	
		For >100 To 200, Deduct	*-11.17*	
		For >200, Deduct	*-16.57*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	278.39	
		For Up To 10, Add	*58.54*	
		For >10 To 20, Add	*29.98*	
		For >20 To 40, Add	*15.35*	
		For >75 To 100, Deduct	*-7.67*	
		For >100 To 200, Deduct	*-15.71*	
		For >200, Deduct	*-23.38*	
		For Factory Applied White Reflective Surfacing, Add	*60.27*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	2.43	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	2.73	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	3.64	
		For Factory Applied White Reflective Surfacing, Add	*0.60*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	282.93	53.20
		For Up To 10, Add	*77.87*	
		For >10 To 20, Add	*44.25*	
		For >20 To 40, Add	*24.79*	
		For >75 To 100, Deduct	*-12.39*	
		For >100 To 200, Deduct	*-27.45*	
		For >200, Deduct	*-39.84*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	200.45	26.61
		For Up To 10, Add	*50.73*	
		For >10 To 20, Add	*28.03*	
		For >20 To 40, Add	*15.34*	
		For >75 To 100, Deduct	*-7.67*	
		For >100 To 200, Deduct	*-16.67*	
		For >200, Deduct	*-24.34*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	218.01	39.90
		For Up To 10, Add	*59.56*	
		For >10 To 20, Add	*33.77*	
		For >20 To 40, Add	*18.88*	
		For >75 To 100, Deduct	*-9.44*	
		For >100 To 200, Deduct	*-20.88*	
		For >200, Deduct	*-30.32*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*19.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*20.68*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	158.91	26.61
		For Up To 10, Add	*42.42*	
		For >10 To 20, Add	*23.87*	
		For >20 To 40, Add	*13.27*	
		For >75 To 100, Deduct	*-6.63*	
		For >100 To 200, Deduct	*-14.60*	
		For >200, Deduct	*-21.23*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	178.94	28.27
		For Up To 10, Add	*47.09*	
		For >10 To 20, Add	*26.37*	
		For >20 To 40, Add	*14.60*	
		For >75 To 100, Deduct	*-7.30*	
		For >100 To 200, Deduct	*-16.01*	
		For >200, Deduct	*-23.31*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	269.01	29.92
		For Up To 10, Add	*65.77*	
		For >10 To 20, Add	*35.88*	
		For >20 To 40, Add	*19.44*	
		For >75 To 100, Deduct	*-9.72*	
		For >100 To 200, Deduct	*-20.93*	
		For >200, Deduct	*-30.65*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For 30 Year Warranty, Add	*11.00*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	189.57	39.90
		For Up To 10, Add	*53.88*	
		For >10 To 20, Add	*30.93*	
		For >20 To 40, Add	*17.46*	
		For >75 To 100, Deduct	*-8.73*	
		For >100 To 200, Deduct	*-19.45*	
		For >200, Deduct	*-28.18*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Low VOC Adhesive, Add	*19.97*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Integral Polyester Fleece-Backing, Add	*66.51*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	209.59	41.57
		For Up To 10, Add	*58.55*	
		For >10 To 20, Add	*33.43*	
		For >20 To 40, Add	*18.79*	
		For >75 To 100, Deduct	*-9.40*	
		For >100 To 200, Deduct	*-20.87*	
		For >200, Deduct	*-30.27*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Low VOC Adhesive, Add	*19.97*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Integral Polyester Fleece-Backing, Add	*73.61*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	299.65	43.23
		For Up To 10, Add	*77.22*	
		For >10 To 20, Add	*42.93*	
		For >20 To 40, Add	*23.63*	
		For >75 To 100, Deduct	*-11.81*	
		For >100 To 200, Deduct	*-25.79*	
		For >200, Deduct	*-37.60*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Low VOC Adhesive, Add	*19.97*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Integral Polyester Fleece-Backing, Add	*81.36*	
		For 30 Year Warranty, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	249.99	53.20
		For Up To 10, Add	*71.28*	
		For >10 To 20, Add	*40.96*	
		For >20 To 40, Add	*23.14*	
		For >75 To 100, Deduct	*-11.57*	
		For >100 To 200, Deduct	*-25.80*	
		For >200, Deduct	*-37.37*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
		For Low VOC Adhesive, Add	*49.92*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Integral Polyester Fleece-Backing, Add	*66.51*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	270.01	54.87
		For Up To 10, Add	*75.95*	
		For >10 To 20, Add	*43.46*	
		For >20 To 40, Add	*24.47*	
		For >75 To 100, Deduct	*-12.24*	
		For >100 To 200, Deduct	*-27.22*	
		For >200, Deduct	*-39.46*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
		For Low VOC Adhesive, Add	*49.92*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Integral Polyester Fleece-Backing, Add	*73.61*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	360.08	56.53
		For Up To 10, Add	*94.63*	
		For >10 To 20, Add	*52.97*	
		For >20 To 40, Add	*29.31*	
		For >75 To 100, Deduct	*-14.66*	
		For >100 To 200, Deduct	*-32.14*	
		For >200, Deduct	*-46.79*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Low VOC Adhesive, Add	*49.92*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Integral Polyester Fleece-Backing, Add	*81.36*	
		For 30 Year Warranty, Add	*11.00*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	176.34	39.90
		For Up To 10, Add	*51.23*	
		For >10 To 20, Add	*29.61*	
		For >20 To 40, Add	*16.80*	
		For >75 To 100, Deduct	*-8.40*	
		For >100 To 200, Deduct	*-18.79*	
		For >200, Deduct	*-27.19*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Mechanically Fastened To Concrete Decks, Add	*19.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*20.68*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	196.36	41.57
		For Up To 10, Add	*55.90*	
		For >10 To 20, Add	*32.11*	
		For >20 To 40, Add	*18.13*	
		For >75 To 100, Deduct	*-9.07*	
		For >100 To 200, Deduct	*-20.21*	
		For >200, Deduct	*-29.28*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*14.12*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For Mechanically Fastened To Concrete Decks, Add	*20.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*21.52*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	286.42	43.23
		For Up To 10, Add	*74.58*	
		For >10 To 20, Add	*41.61*	
		For >20 To 40, Add	*22.97*	
		For >75 To 100, Deduct	*-11.48*	
		For >100 To 200, Deduct	*-25.13*	
		For >200, Deduct	*-36.61*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*4.84*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*46.21*	
		For 30 Year Warranty, Add	*11.00*	
		For Mechanically Fastened To Concrete Decks, Add	*21.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*22.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	41.63	
		For Up To 10, Add	*10.99*	
		For >10 To 20, Add	*6.16*	
		For >20 To 40, Add	*3.41*	
		For >75 To 100, Deduct	*-1.71*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.45*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	43.05	
		For Up To 10, Add	*11.27*	
		For >10 To 20, Add	*6.30*	
		For >20 To 40, Add	*3.48*	
		For >75 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-3.82*	
		For >200, Deduct	*-5.56*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	26.39	6.32
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	37.57	6.32
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	69.84	6.32
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	92.49	6.98
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	20.44	3.85
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	3.88	1.00
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	4.87	1.49

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	301.14	29.92
		For Up To 10, Add	*72.20*	
		For >10 To 20, Add	*39.09*	
		For >20 To 40, Add	*21.04*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-22.54*	
		For >200, Deduct	*-33.06*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	337.06	43.23
		For Up To 10, Add	*84.70*	
		For >10 To 20, Add	*46.68*	
		For >20 To 40, Add	*25.50*	
		For >75 To 100, Deduct	*-12.75*	
		For >100 To 200, Deduct	*-27.66*	
		For >200, Deduct	*-40.41*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	405.39	56.53
		For Up To 10, Add	*103.69*	
		For >10 To 20, Add	*57.50*	
		For >20 To 40, Add	*31.58*	
		For >75 To 100, Deduct	*-15.79*	
		For >100 To 200, Deduct	*-34.40*	
		For >200, Deduct	*-50.19*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	201.35	26.61
		For Up To 10, Add	*50.91*	
		For >10 To 20, Add	*28.12*	
		For >20 To 40, Add	*15.39*	
		For >75 To 100, Deduct	*-7.69*	
		For >100 To 200, Deduct	*-16.72*	
		For >200, Deduct	*-24.41*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	231.14	28.27
		For Up To 10, Add	*57.53*	
		For >10 To 20, Add	*31.59*	
		For >20 To 40, Add	*17.21*	
		For >75 To 100, Deduct	*-8.61*	
		For >100 To 200, Deduct	*-18.62*	
		For >200, Deduct	*-27.23*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	266.60	29.10
		For Up To 10, Add	*64.96*	
		For >10 To 20, Add	*35.39*	
		For >20 To 40, Add	*19.15*	
		For >75 To 100, Deduct	*-9.58*	
		For >100 To 200, Deduct	*-20.61*	
		For >200, Deduct	*-30.18*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	282.96	29.92
		For Up To 10, Add	*68.56*	
		For >10 To 20, Add	*37.28*	
		For >20 To 40, Add	*20.13*	
		For >75 To 100, Deduct	*-10.07*	
		For >100 To 200, Deduct	*-21.63*	
		For >200, Deduct	*-31.70*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	271.08	53.20
		For Up To 10, Add	*75.50*	
		For >10 To 20, Add	*43.07*	
		For >20 To 40, Add	*24.20*	
		For >75 To 100, Deduct	*-12.10*	
		For >100 To 200, Deduct	*-26.86*	
		For >200, Deduct	*-38.95*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*41.76*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	300.86	54.87
		For Up To 10, Add	*82.12*	
		For >10 To 20, Add	*46.55*	
		For >20 To 40, Add	*26.02*	
		For >75 To 100, Deduct	*-13.01*	
		For >100 To 200, Deduct	*-28.76*	
		For >200, Deduct	*-41.77*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*41.76*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	336.32	55.70
		For Up To 10, Add	*89.54*	
		For >10 To 20, Add	*50.34*	
		For >20 To 40, Add	*27.96*	
		For >75 To 100, Deduct	*-13.98*	
		For >100 To 200, Deduct	*-30.74*	
		For >200, Deduct	*-44.72*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*41.76*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	352.68	56.53
		For Up To 10, Add	*93.15*	
		For >10 To 20, Add	*52.23*	
		For >20 To 40, Add	*28.94*	
		For >75 To 100, Deduct	*-14.47*	
		For >100 To 200, Deduct	*-31.77*	
		For >200, Deduct	*-46.24*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*41.76*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	214.19	39.90
		For Up To 10, Add	*58.80*	
		For >10 To 20, Add	*33.39*	
		For >20 To 40, Add	*18.69*	
		For >75 To 100, Deduct	*-9.35*	
		For >100 To 200, Deduct	*-20.69*	
		For >200, Deduct	*-30.03*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
		For Mechanically Fastened To Concrete Decks, Add	*19.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*20.68*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	243.97	41.57
		For Up To 10, Add	*65.42*	
		For >10 To 20, Add	*36.87*	
		For >20 To 40, Add	*20.51*	
		For >75 To 100, Deduct	*-10.26*	
		For >100 To 200, Deduct	*-22.59*	
		For >200, Deduct	*-32.85*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
		For Mechanically Fastened To Concrete Decks, Add	*20.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*21.52*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	279.43	42.40
		For Up To 10, Add	*72.85*	
		For >10 To 20, Add	*40.66*	
		For >20 To 40, Add	*22.45*	
		For >75 To 100, Deduct	*-11.23*	
		For >100 To 200, Deduct	*-24.57*	
		For >200, Deduct	*-35.80*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
		For Mechanically Fastened To Concrete Decks, Add	*21.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*21.93*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	295.78	43.23
		For Up To 10, Add	*76.45*	
		For >10 To 20, Add	*42.55*	
		For >20 To 40, Add	*23.44*	
		For >75 To 100, Deduct	*-11.72*	
		For >100 To 200, Deduct	*-25.60*	
		For >200, Deduct	*-37.31*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.58*	
		For Mechanically Fastened To Concrete Decks, Add	*21.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*22.35*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	41.63	
		For Up To 10, Add	*10.99*	
		For >10 To 20, Add	*6.16*	
		For >20 To 40, Add	*3.41*	
		For >75 To 100, Deduct	*-1.71*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.45*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	43.05	
		For Up To 10, Add	*11.27*	
		For >10 To 20, Add	*6.30*	
		For >20 To 40, Add	*3.48*	
		For >75 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-3.82*	
		For >200, Deduct	*-5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	43.37	5.65
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	60.75	6.32
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	77.63	6.98
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	98.62	6.98
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	17.55	3.85
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	4.61	1.00
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	5.60	1.49
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	6.24	1.00

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	241.00	53.20
		For Up To 10, Add	*69.48*	
		For >10 To 20, Add	*40.06*	
		For >20 To 40, Add	*22.69*	
		For >75 To 100, Deduct	*-11.35*	
		For >100 To 200, Deduct	*-25.35*	
		For >200, Deduct	*-36.70*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*49.92*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	257.49	54.87
		For Up To 10, Add	*73.45*	
		For >10 To 20, Add	*42.21*	
		For >20 To 40, Add	*23.85*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-26.59*	
		For >200, Deduct	*-38.52*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*49.92*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	328.47	56.53
		For Up To 10, Add	*88.31*	
		For >10 To 20, Add	*49.81*	
		For >20 To 40, Add	*27.73*	
		For >75 To 100, Deduct	*-13.86*	
		For >100 To 200, Deduct	*-30.56*	
		For >200, Deduct	*-44.42*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*49.92*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	162.76	39.90
		For Up To 10, Add	*48.51*	
		For >10 To 20, Add	*28.25*	
		For >20 To 40, Add	*16.12*	
		For >75 To 100, Deduct	*-8.06*	
		For >100 To 200, Deduct	*-18.11*	
		For >200, Deduct	*-26.17*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*19.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*20.68*	
07 54 23 00-0006	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	179.25	41.57
		For Up To 10, Add	*52.48*	
		For >10 To 20, Add	*30.40*	
		For >20 To 40, Add	*17.28*	
		For >75 To 100, Deduct	*-8.64*	
		For >100 To 200, Deduct	*-19.36*	
		For >200, Deduct	*-27.99*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*20.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*21.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0007	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	250.23	43.23
		For Up To 10, Add	*67.34*	
		For >10 To 20, Add	*37.99*	
		For >20 To 40, Add	*21.16*	
		For >75 To 100, Deduct	*-10.58*	
		For >100 To 200, Deduct	*-23.32*	
		For >200, Deduct	*-33.90*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*21.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*22.35*	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0009	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	49.42	
		For Up To 10, Add	*12.54*	
		For >10 To 20, Add	*6.94*	
		For >20 To 40, Add	*3.80*	
		For >75 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-4.13*	
		For >200, Deduct	*-6.03*	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat Note: 55% solids by volume.	43.05	
		For Up To 10, Add	*11.27*	
		For >10 To 20, Add	*6.30*	
		For >20 To 40, Add	*3.48*	
		For >75 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-3.82*	
		For >200, Deduct	*-5.56*	
		For Tan Or Gray Color, Add	*1.49*	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	37.42	5.65
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	40.40	6.32
07 54 23 00-0013	EA	6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	73.84	6.98
07 54 23 00-0014	LF	30" Wide, TPO Walkway Protection Pad	17.34	3.85
07 54 23 00-0015	SF	Thermoplastic Polyolefin Membrane Base Flashing	4.82	1.00
07 54 23 00-0016	SF	Thermoplastic Polyolefin Curb Flashing	4.19	1.00
		For Tan Or Gray Color, Add	*0.06*	
07 54 23 00-0017	SF	Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	7.05	1.00

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) FRoofing *(07 56)*

07 56 00 00-0002	SQ	Rubber - Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) For Metal	282.10	
07 56 00 00-0003	SQ	Rubberized Aluminum - Coating (Non Asphaltic)	185.54	
07 56 00 00-0004	SQ	Rubberized Aluminum - Coating (Asphaltic)	227.23	

07 56 00 00-0005 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0006	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	658.41	88.15
		For Each Additional Coat, Add	*98.76*	

07 56 00 00-0007 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0008	SQ	2 Mil Vinyl Liquid Roofing	663.84	92.90
07 56 00 00-0009	SQ	4 Mil Vinyl Liquid Roofing	742.74	103.74

07 56 00 00-0010 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0011	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	259.91	53.23
07 56 00 00-0012	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	311.50	53.23
07 56 00 00-0013	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	350.31	53.23

07 56 00 00-0014 Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*

07 56 00 00-0015	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,109.21	53.23

07 56 00 00-0016 Urethane Liquid Roofing Membrane *(07 56)*

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0017	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	56.36	
07 56 00 00-0018	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	3.13	
07 56 00 00-0019	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	214.94	
07 56 00 00-0020	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	55.55	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0021	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	529.84	
07 56 00 00-0022	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	800.81	
07 56 00 00-0023	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	548.13	
07 56 00 00-0024	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	141.63	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*

07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	250.50	32.17
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	304.19	34.47
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	357.90	36.77
07 57 13 00-0007	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	476.38	41.36
07 57 13 00-0008	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	572.72	45.97
07 57 13 00-0009	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	680.11	50.56
07 57 13 00-0010	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	787.52	55.16

07 57 13 00-0011 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0012	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	259.12	32.17
07 57 13 00-0013	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	312.82	34.47
07 57 13 00-0014	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	366.52	36.77
07 57 13 00-0015	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	473.92	41.36
07 57 13 00-0016	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	581.34	45.97
07 57 13 00-0017	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	688.73	50.56
07 57 13 00-0018	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	796.14	55.16

07 57 13 00-0019 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0020	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	280.06	32.17
07 57 13 00-0021	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	331.91	34.47
07 57 13 00-0022	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	383.77	36.77
07 57 13 00-0023	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	491.17	41.36
07 57 13 00-0024	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	644.65	45.97
07 57 13 00-0025	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	761.41	50.56
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	878.18	55.16

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0028 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0027)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0029	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	286.22	32.17
07 57 13 00-0030	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	344.60	34.47
07 57 13 00-0031	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	402.99	36.77
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	519.74	41.36
07 57 13 00-0033	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	636.52	45.97
07 57 13 00-0034	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	753.28	50.56
07 57 13 00-0035	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	870.05	55.16

07 57 13 00-0036 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0027)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0037	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	298.41	32.17
07 57 13 00-0038	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	356.79	34.47
07 57 13 00-0039	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	415.18	36.77
07 57 13 00-0040	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	531.94	41.36
07 57 13 00-0041	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	648.72	45.97
07 57 13 00-0042	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	765.48	50.56
07 57 13 00-0043	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	882.24	55.16

07 57 13 00-0044 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0027)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0045	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	307.90	32.17
07 57 13 00-0046	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	366.28	34.47
07 57 13 00-0047	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	424.67	36.77
07 57 13 00-0048	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	541.42	41.36
07 57 13 00-0049	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	658.20	45.97
07 57 13 00-0050	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	774.96	50.56
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	891.73	55.16

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing	155.55	20.69

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	2.97	0.95

07 60 Flashing And Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	14.54	2.15
		For Steep Roof, Over 6 To 12, Add	*1.29*	
		For 140 MPH Wind Load, Add	*0.63*	
		For Panels <16" Wide, Add	*1.52*	
		For Up To 1,500, Add	*3.64*	
		For >1,500 To 5,000, Add	*2.18*	
		For >5,000 To 10,000, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	15.90	2.33
		For Steep Roof, Over 6 To 12, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.69*	
		For Panels <16" Wide, Add	*1.66*	
		For Up To 1,500, Add	*3.98*	
		For >1,500 To 5,000, Add	*2.39*	
		For >5,000 To 10,000, Add	*0.40*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	18.58	2.54
		For Steep Roof, Over 6 To 12, Add	*1.52*	
		For 140 MPH Wind Load, Add	*0.78*	
		For Panels <16" Wide, Add	*1.87*	
		For Up To 1,500, Add	*4.65*	
		For >1,500 To 5,000, Add	*2.79*	
		For >5,000 To 10,000, Add	*0.46*	
07 61 13 00-0006		Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	16.85	2.33
		For Steep Roof, Over 6 To 12, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.71*	
		For Panels <16" Wide, Add	*1.70*	
		For Up To 1,500, Add	*4.21*	
		For >1,500 To 5,000, Add	*2.53*	
		For >5,000 To 10,000, Add	*0.42*	
		For Tin/Copper, Deduct	*-0.24*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	20.10	2.42
		For Steep Roof, Over 6 To 12, Add	*1.46*	
		For 140 MPH Wind Load, Add	*0.79*	
		For Panels <16" Wide, Add	*1.90*	
		For Up To 1,500, Add	*5.03*	
		For >1,500 To 5,000, Add	*3.02*	
		For >5,000 To 10,000, Add	*0.50*	
		For Tin/Copper, Deduct	*-0.31*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	22.68	2.54
		For Steep Roof, Over 6 To 12, Add	*1.52*	
		For 140 MPH Wind Load, Add	*0.86*	
		For Panels <16" Wide, Add	*2.07*	
		For Up To 1,500, Add	*5.67*	
		For >1,500 To 5,000, Add	*3.40*	
		For >5,000 To 10,000, Add	*0.57*	
		For Tin/Copper, Deduct	*-0.35*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	28.02	2.65
		For Steep Roof, Over 6 To 12, Add	*1.60*	
		For 140 MPH Wind Load, Add	*0.99*	
		For Panels <16" Wide, Add	*2.39*	
		For Up To 1,500, Add	*7.01*	
		For >1,500 To 5,000, Add	*4.20*	
		For >5,000 To 10,000, Add	*0.70*	
		For Tin/Copper, Deduct	*-0.45*	
07 61 13 00-0011		Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	58.30	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*2.05*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	35.44	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*1.60*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	79.91	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*2.49*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	60.01	4.44
		For Steep Roof, Over 6 To 12, Add	*3.33*	
		For 140 MPH Wind Load, Add	*2.09*	
07 61 16		**Batten Seam Sheet Metal Roofing** *(07 61)*		
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	17.82	2.54
		For Steep Roof, Over 6 To 12, Add	*1.52*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Panels <16" Wide, Add	*1.83*	
		For Up To 1,500, Add	*4.46*	
		For >1,500 To 5,000, Add	*2.67*	
		For >5,000 To 10,000, Add	*0.45*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	19.58	2.66
		For Steep Roof, Over 6 To 12, Add	*1.60*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Panels <16" Wide, Add	*1.97*	
		For Up To 1,500, Add	*4.90*	
		For >1,500 To 5,000, Add	*2.94*	
		For >5,000 To 10,000, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	22.58	2.79
		For Steep Roof, Over 6 To 12, Add	*1.67*	
		For 140 MPH Wind Load, Add	*0.90*	
		For Panels <16" Wide, Add	*2.16*	
		For Up To 1,500, Add	*5.65*	
		For >1,500 To 5,000, Add	*3.39*	
		For >5,000 To 10,000, Add	*0.56*	
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	17.90	2.33
		For Steep Roof, Over 6 To 12, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.73*	
		For Panels <16" Wide, Add	*1.76*	
		For Up To 1,500, Add	*4.48*	
		For >1,500 To 5,000, Add	*2.69*	
		For >5,000 To 10,000, Add	*0.45*	
		For Tin/Copper, Deduct	*-0.27*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	21.61	2.42
		For Steep Roof, Over 6 To 12, Add	*1.46*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Panels <16" Wide, Add	*1.98*	
		For Up To 1,500, Add	*5.40*	
		For >1,500 To 5,000, Add	*3.24*	
		For >5,000 To 10,000, Add	*0.54*	
		For Tin/Copper, Deduct	*-0.34*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	24.08	2.54
		For Steep Roof, Over 6 To 12, Add	*1.52*	
		For 140 MPH Wind Load, Add	*0.89*	
		For Panels <16" Wide, Add	*2.14*	
		For Up To 1,500, Add	*6.02*	
		For >1,500 To 5,000, Add	*3.61*	
		For >5,000 To 10,000, Add	*0.60*	
		For Tin/Copper, Deduct	*-0.38*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	29.82	2.65
		For Steep Roof, Over 6 To 12, Add	*1.60*	
		For 140 MPH Wind Load, Add	*1.02*	
		For Panels <16" Wide, Add	*2.48*	
		For Up To 1,500, Add	*7.46*	
		For >1,500 To 5,000, Add	*4.47*	
		For >5,000 To 10,000, Add	*0.75*	
		For Tin/Copper, Deduct	*-0.49*	
07 61 19		**Flat Seam Sheet Metal Roofing** *(07 61)*		
07 61 19 00-0001		Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*		
07 61 19 00-0002		Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		
07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	14.05	2.33
		For Steep Roof, Over 6 To 12, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.65*	
		For Panels <16" Wide, Add	*1.56*	
		For Up To 1,500, Add	*3.51*	
		For >1,500 To 5,000, Add	*2.11*	
		For >5,000 To 10,000, Add	*0.35*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	15.36	2.42
		For Steep Roof, Over 6 To 12, Add	*1.46*	
		For 140 MPH Wind Load, Add	*0.70*	
		For Panels <16" Wide, Add	*1.67*	
		For Up To 1,500, Add	*3.84*	
		For >1,500 To 5,000, Add	*2.30*	
		For >5,000 To 10,000, Add	*0.38*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	17.58	2.54
		For Steep Roof, Over 6 To 12, Add	*1.52*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Panels <16" Wide, Add	*1.82*	
		For Up To 1,500, Add	*4.40*	
		For >1,500 To 5,000, Add	*2.64*	
		For >5,000 To 10,000, Add	*0.44*	
07 61 19 00-0006		Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	15.90	2.33
		For Steep Roof, Over 6 To 12, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.69*	
		For Panels <16" Wide, Add	*1.66*	
		For Up To 1,500, Add	*3.98*	
		For >1,500 To 5,000, Add	*2.39*	
		For >5,000 To 10,000, Add	*0.40*	
		For Tin/Copper, Deduct	*-0.23*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	19.11	2.42
		For Steep Roof, Over 6 To 12, Add	*1.46*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Panels <16" Wide, Add	*1.85*	
		For Up To 1,500, Add	*4.78*	
		For >1,500 To 5,000, Add	*2.87*	
		For >5,000 To 10,000, Add	*0.48*	
		For Tin/Copper, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	21.33	2.54
		For Steep Roof, Over 6 To 12, Add	*1.52*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Panels <16" Wide, Add	*2.01*	
		For Up To 1,500, Add	*5.33*	
		For >1,500 To 5,000, Add	*3.20*	
		For >5,000 To 10,000, Add	*0.53*	
		For Tin/Copper, Deduct	*-0.33*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	26.32	2.65
		For Steep Roof, Over 6 To 12, Add	*1.60*	
		For 140 MPH Wind Load, Add	*0.95*	
		For Panels <16" Wide, Add	*2.30*	
		For Up To 1,500, Add	*6.58*	
		For >1,500 To 5,000, Add	*3.95*	
		For >5,000 To 10,000, Add	*0.66*	
		For Tin/Copper, Deduct	*-0.42*	

07 62 Sheet Metal Flashing And Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 LB/SF Sheet Lead Flashing	13.72	3.34
		For Up To 100, Add	*3.43*	
07 62 13 00-0003	SF	4 LB/SF Sheet Lead Flashing	17.91	3.34
		For Up To 100, Add	*4.48*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	19.04	3.26
		For Up To 100, Add	*4.76*	
		For >500 To 2,000, Deduct	*-2.60*	
		For >2,000, Deduct	*-3.23*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.29*	
		For Wrap Around Window Panning, Add	*6.46*	
		For Zinc-Tin Coated Copper, Add	*3.46*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	19.65	3.34
		For Up To 100, Add	*4.91*	
		For >500 To 2,000, Deduct	*-2.69*	
		For >2,000, Deduct	*-3.33*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.35*	
		For Wrap Around Window Panning, Add	*6.75*	
		For Zinc-Tin Coated Copper, Add	*3.55*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	22.55	3.57
		For Up To 100, Add	*5.64*	
		For >500 To 2,000, Deduct	*-3.07*	
		For >2,000, Deduct	*-3.85*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.41*	
		For Wrap Around Window Panning, Add	*7.07*	
		For Zinc-Tin Coated Copper, Add	*4.26*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	28.06	3.72
		For Up To 100, Add	*7.02*	
		For >500 To 2,000, Deduct	*-3.80*	
		For >2,000, Deduct	*-4.83*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.48*	
		For Wrap Around Window Panning, Add	*7.42*	
		For Zinc-Tin Coated Copper, Add	*5.68*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	6.78	1.78
		For Up To 100, Add	*1.70*	
		For Wrap Around Window Panning, Add	*4.58*	
		For Mechanically Keyed Flashing, Add	*0.88*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	7.39	2.00
		For Up To 100, Add	*1.85*	
		For Wrap Around Window Panning, Add	*4.65*	
		For Mechanically Keyed Flashing, Add	*1.10*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	8.03	2.23
		For Up To 100, Add	*2.01*	
		For Wrap Around Window Panning, Add	*4.74*	
		For Mechanically Keyed Flashing, Add	*1.32*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	9.01	2.45
		For Up To 100, Add	*2.25*	
		For Wrap Around Window Panning, Add	*4.89*	
		For Mechanically Keyed Flashing, Add	*1.65*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	10.65	2.60
		For Up To 100, Add	*2.66*	
		For Wrap Around Window Panning, Add	*5.16*	
		For Mechanically Keyed Flashing, Add	*2.20*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	11.65	2.73
		For Up To 100, Add	*2.91*	
		For Wrap Around Window Panning, Add	*5.46*	
		For Mechanically Keyed Flashing, Add	*2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	12.48	2.89
		For Up To 100, Add	*3.12*	
		For Wrap Around Window Panning, Add	*5.77*	
		For Mechanically Keyed Flashing, Add	*2.68*	

07 62 13 00-0019 Aluminum Flashing And Trim *(07 62 13)*

07 62 13 00-0020 Aluminum Flashing And Trim *(07 62 13 00-0019)*

07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	7.86	2.30
		For Up To 100, Add	*1.97*	
		For Baked Aluminum Colors, Add	*0.27*	
		For Wrap Around Window Panning, Add	*5.12*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	8.46	2.30
		For Up To 100, Add	*2.12*	
		For Baked Aluminum Colors, Add	*0.33*	
		For Wrap Around Window Panning, Add	*5.12*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	8.93	2.30
		For Up To 100, Add	*2.23*	
		For Baked Aluminum Colors, Add	*0.38*	
		For Wrap Around Window Panning, Add	*5.12*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	9.62	2.30
		For Up To 100, Add	*2.41*	
		For Baked Aluminum Colors, Add	*0.45*	
		For Wrap Around Window Panning, Add	*5.12*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	10.58	2.30
		For Up To 100, Add	*2.65*	
		For Baked Aluminum Colors, Add	*0.55*	
		For Wrap Around Window Panning, Add	*5.12*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	11.17	2.30
		For Up To 100, Add	*2.79*	
		For Baked Aluminum Colors, Add	*0.61*	
		For Wrap Around Window Panning, Add	*5.12*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	11.65	2.30
		For Up To 100, Add	*2.91*	
		For Baked Aluminum Colors, Add	*0.65*	
		For Wrap Around Window Panning, Add	*5.12*	

07 62 13 00-0028 Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0029 Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*

07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	7.86	2.23
		For Up To 100, Add	*1.97*	
		For Wrap Around Window Panning, Add	*4.74*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	8.18	2.45
		For Up To 100, Add	*2.05*	
		For Wrap Around Window Panning, Add	*4.89*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	8.71	2.60
		For Up To 100, Add	*2.18*	
		For Wrap Around Window Panning, Add	*5.16*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	9.27	2.73
		For Up To 100, Add	*2.32*	
		For Wrap Around Window Panning, Add	*5.46*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	10.03	2.89
		For Up To 100, Add	*2.51*	
		For Wrap Around Window Panning, Add	*5.77*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001 Aluminum Drip Edge *(07 62 19)*

Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 19 00-0002 KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0001)*

07 62 19 00-0003 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*

07 62 19 00-0004	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.44	0.69
07 62 19 00-0005	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.18	0.69
07 62 19 00-0006	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.62	0.69
07 62 19 00-0007	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.50	0.69
07 62 19 00-0008	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.07	0.69

07 62 19 00-0009 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*

07 62 19 00-0010	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.69	0.69
07 62 19 00-0011	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.46	0.69
07 62 19 00-0012	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.04	0.69
07 62 19 00-0013	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.00	0.69
07 62 19 00-0014	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.54	0.69

07 62 19 00-0015 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*

07 62 19 00-0016	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.94	0.69
07 62 19 00-0017	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.79	0.69
07 62 19 00-0018	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.44	0.69
07 62 19 00-0019	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.49	0.69
07 62 19 00-0020	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.20	0.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0021		**0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0022	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.43	0.69
07 62 19 00-0023	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.45	0.69
07 62 19 00-0024	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.22	0.69
07 62 19 00-0025	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.48	0.69
07 62 19 00-0026	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.52	0.69
07 62 19 00-0027		**0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0028	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.60	0.69
07 62 19 00-0029	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.70	0.69
07 62 19 00-0030	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.48	0.69
07 62 19 00-0031	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.81	0.69
07 62 19 00-0032	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.96	0.69
07 62 19 00-0033		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0034	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.17	0.69
07 62 19 00-0035	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.44	0.69
07 62 19 00-0036	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.39	0.69
07 62 19 00-0037	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.97	0.69
07 62 19 00-0038	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.50	0.69
07 62 19 00-0039		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0040	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.00	0.69
07 62 19 00-0041	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.54	0.69
07 62 19 00-0042	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.69	0.69
07 62 19 00-0043	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.62	0.69
07 62 19 00-0044	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.70	0.69
07 62 19 00-0045		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0046	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.99	0.69
07 62 19 00-0047	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.86	0.69
07 62 19 00-0048	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.26	0.69
07 62 19 00-0049	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	12.60	0.69
07 62 19 00-0050	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.34	0.69
07 62 19 00-0051		**Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0001)*		
07 62 19 00-0052		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0051)*		
07 62 19 00-0053	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	2.80	0.69
07 62 19 00-0054	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.31	0.69
07 62 19 00-0055	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.62	0.69
07 62 19 00-0056	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.22	0.69
07 62 19 00-0057	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	5.31	0.69
07 62 19 00-0058		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0051)*		
07 62 19 00-0059	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	2.97	0.69
07 62 19 00-0060	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.50	0.69
07 62 19 00-0061	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.90	0.69
07 62 19 00-0062	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.57	0.69
07 62 19 00-0063	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	5.63	0.69
07 62 19 00-0064		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0051)*		
07 62 19 00-0065	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.14	0.69
07 62 19 00-0066	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.73	0.69
07 62 19 00-0067	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.18	0.69
07 62 19 00-0068	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.91	0.69
07 62 19 00-0069	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	6.08	0.69
07 62 19 00-0070		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0051)*		
07 62 19 00-0071	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	3.48	0.69
07 62 19 00-0072	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.19	0.69
07 62 19 00-0073	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.72	0.69
07 62 19 00-0074	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	5.59	0.69
07 62 19 00-0075	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	6.99	0.69
07 62 19 00-0076		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0051)*		
07 62 19 00-0077	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	3.60	0.69
07 62 19 00-0078	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	4.36	0.69
07 62 19 00-0079	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	4.90	0.69
07 62 19 00-0080	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	5.82	0.69
07 62 19 00-0081	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	7.30	0.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0082		0.050" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0051)*		
07 62 19 00-0083	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	4.00	0.69
07 62 19 00-0084	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	4.87	0.69
07 62 19 00-0085	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	5.52	0.69
07 62 19 00-0086	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	6.61	0.69
07 62 19 00-0087	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	8.36	0.69
07 62 19 00-0088		0.063" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0051)*		
07 62 19 00-0089	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	4.57	0.69
07 62 19 00-0090	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	5.63	0.69
07 62 19 00-0091	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	6.42	0.69
07 62 19 00-0092	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	7.75	0.69
07 62 19 00-0093	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	9.88	0.69
07 62 19 00-0094		0.080" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0051)*		
07 62 19 00-0095	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	5.25	0.69
07 62 19 00-0096	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	6.54	0.69
07 62 19 00-0097	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	7.51	0.69
07 62 19 00-0098	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	9.12	0.69
07 62 19 00-0099	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	11.70	0.69
07 62 19 00-0100		Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0001)*		
07 62 19 00-0101		0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0102	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.57	0.69
07 62 19 00-0103	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.35	0.69
07 62 19 00-0104	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.82	0.69
07 62 19 00-0105	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.75	0.69
07 62 19 00-0106	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.41	0.69
07 62 19 00-0107		0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0108	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.83	0.69
07 62 19 00-0109	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.64	0.69
07 62 19 00-0110	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.26	0.69
07 62 19 00-0111	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.28	0.69
07 62 19 00-0112	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.91	0.69
07 62 19 00-0113		0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0114	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.09	0.69
07 62 19 00-0115	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.99	0.69
07 62 19 00-0116	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.68	0.69
07 62 19 00-0117	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.80	0.69
07 62 19 00-0118	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.61	0.69
07 62 19 00-0119		0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0120	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.62	0.69
07 62 19 00-0121	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.69	0.69
07 62 19 00-0122	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.51	0.69
07 62 19 00-0123	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.85	0.69
07 62 19 00-0124	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	10.01	0.69
07 62 19 00-0125		0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0126	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.79	0.69
07 62 19 00-0127	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.96	0.69
07 62 19 00-0128	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.79	0.69
07 62 19 00-0129	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.20	0.69
07 62 19 00-0130	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	10.47	0.69
07 62 19 00-0131		0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0132	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.40	0.69
07 62 19 00-0133	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.74	0.69
07 62 19 00-0134	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.75	0.69
07 62 19 00-0135	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.42	0.69
07 62 19 00-0136	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	12.11	0.69
07 62 19 00-0137		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		
07 62 19 00-0138	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.28	0.69
07 62 19 00-0139	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.91	0.69
07 62 19 00-0140	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.13	0.69
07 62 19 00-0141	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	11.17	0.69
07 62 19 00-0142	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.44	0.69
07 62 19 00-0143		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0100)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0144	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.33	0.69
07 62 19 00-0145	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.31	0.69
07 62 19 00-0146	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	10.79	0.69
07 62 19 00-0147	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	13.27	0.69
07 62 19 00-0148	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.24	0.69

07 62 19 00-0149 Galvanized Steel Drip Edge *(07 62 19)*
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 19 00-0150 Galvanized Steel Drip Edge *(07 62 19 00-0149)*

07 62 19 00-0151 26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0150)*

07 62 19 00-0152	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	3.70	0.69
07 62 19 00-0153	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	4.50	0.69
07 62 19 00-0154	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	5.06	0.69
07 62 19 00-0155	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	6.03	0.69
07 62 19 00-0156	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	7.57	0.69

07 62 19 00-0157 24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0150)*

07 62 19 00-0158	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	4.05	0.69
07 62 19 00-0159	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	4.96	0.69
07 62 19 00-0160	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	5.62	0.69
07 62 19 00-0161	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	6.73	0.69
07 62 19 00-0162	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	8.50	0.69

07 62 19 00-0163 KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0149)*

07 62 19 00-0164 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0163)*

07 62 19 00-0165	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	4.75	0.69
07 62 19 00-0166	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	5.90	0.69
07 62 19 00-0167	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	6.72	0.69
07 62 19 00-0168	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	8.12	0.69
07 62 19 00-0169	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	10.36	0.69

07 62 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0163)*

07 62 19 00-0171	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	5.25	0.69
07 62 19 00-0172	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	6.58	0.69
07 62 19 00-0173	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	7.52	0.69
07 62 19 00-0174	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	9.13	0.69
07 62 19 00-0175	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	11.71	0.69

07 62 19 00-0176 Stainless Steel Drip Edge *(07 62 19)*
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 19 00-0177 26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0176)*

07 62 19 00-0178	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	4.50	0.69
07 62 19 00-0179	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	5.53	0.69
07 62 19 00-0180	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	6.31	0.69
07 62 19 00-0181	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	7.61	0.69
07 62 19 00-0182	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	9.69	0.69

07 62 19 00-0183 24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0176)*

07 62 19 00-0184	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	5.48	0.69
07 62 19 00-0185	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	6.84	0.69
07 62 19 00-0186	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	7.87	0.69
07 62 19 00-0187	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	9.57	0.69
07 62 19 00-0188	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	12.30	0.69

07 62 19 00-0189 22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0176)*

07 62 19 00-0190	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	6.63	0.69
07 62 19 00-0191	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	8.38	0.69
07 62 19 00-0192	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	9.70	0.69
07 62 19 00-0193	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	11.88	0.69
07 62 19 00-0194	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	15.38	0.69

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*
Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	53.11
		For Pourable Sealer Filled, Add	*22.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.30*
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	64.11
		For Pourable Sealer Filled, Add	*50.86*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.50*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	78.23	
		For Pourable Sealer Filled, Add	*90.36*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.08*	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	86.00	
		For Pourable Sealer Filled, Add	*112.95*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*56.66*	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	93.35	
		For Pourable Sealer Filled, Add	*135.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*67.78*	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	109.98	
		For Pourable Sealer Filled, Add	*203.32*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.03*	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	68.96	
		For Pourable Sealer Filled, Add	*22.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.30*	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	82.40	
		For Pourable Sealer Filled, Add	*50.86*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.50*	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	99.94	
		For Pourable Sealer Filled, Add	*90.36*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.08*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	110.33	
		For Pourable Sealer Filled, Add	*112.95*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*56.66*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	118.53	
		For Pourable Sealer Filled, Add	*135.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*67.78*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	136.93	
		For Pourable Sealer Filled, Add	*203.32*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.03*	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	64.36	
		For Pourable Sealer Filled, Add	*22.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.30*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	76.67	
		For Pourable Sealer Filled, Add	*50.86*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.50*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	88.92	
		For Pourable Sealer Filled, Add	*90.36*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.08*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	96.32	
		For Pourable Sealer Filled, Add	*112.95*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*56.66*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	103.20	
		For Pourable Sealer Filled, Add	*135.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*67.78*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	118.76	
		For Pourable Sealer Filled, Add	*203.32*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.03*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	45.65	
		For Pourable Sealer Filled, Add	*22.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.30*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	52.37	
		For Pourable Sealer Filled, Add	*50.86*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.50*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	61.30	
		For Pourable Sealer Filled, Add	*90.36*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.08*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	66.97	
		For Pourable Sealer Filled, Add	*112.95*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*56.66*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	72.64	
		For Pourable Sealer Filled, Add	*135.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*67.78*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	86.90	
		For Pourable Sealer Filled, Add	*203.32*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.03*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	66.52	20.10
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe	66.52	20.10
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe	81.27	20.10
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe	89.70	20.10
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	93.91	20.10
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe	96.02	20.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe	117.09	20.10
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe	126.57	20.10
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*		
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	48.38	12.99
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	48.88	12.99
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	50.70	12.99
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	52.27	12.99

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*
See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	8.80	1.33

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	5.79	1.86
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	7.68	2.00
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	9.76	2.21
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	11.97	2.48

07 70 Roof And Wall Specialties And Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	19.79	1.49
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	20.89	1.62
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	23.79	1.70
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	27.63	1.86
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	33.36	1.95

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.75	1.49
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.82	1.62
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.58	1.70
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.36	1.86
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.98	1.95

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.08	1.49
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.24	1.62
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.25	1.70
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.38	1.86
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.55	1.95

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.17	1.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.50	1.62
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.33	1.70
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.11	1.86
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	37.60	1.95
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.72	1.49
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.18	1.62
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	27.12	1.70
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.47	1.86
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.56	1.95
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.65	1.49
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	25.23	1.62
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	29.54	1.70
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.41	1.86
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.29	1.95
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	25.23	1.49
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	27.06	1.62
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.56	1.70
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.82	1.86
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	53.05	1.95
07 71 13 00-0047		Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.88	1.49
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.41	1.62
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.57	1.70
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	34.23	1.86
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.80	1.95
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.92	1.49
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.58	1.62
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	31.15	1.70
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	37.35	1.86
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.75	1.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0060		0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.59	1.49
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.52	1.62
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	34.35	1.70
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.08	1.86
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	56.04	1.95
07 71 13 00-0066		Remove And Reinstall Metal Coping *(07 71 13)*		
07 71 13 00-0067	LF	Removal And Reinstallation Of Metal Coping	5.16	

07 71 19 Manufactured Gravel Stops And Fasciae *(07 71)*

07 71 19 00-0001		Gravel Stop *(07 71 19)*		
07 71 19 00-0002		Aluminum Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0003		Aluminum Gravel Stop *(07 71 19 00-0002)*		
07 71 19 00-0004		KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0005		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.77	1.25
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.93	1.29
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.14	1.33
07 71 19 00-0009		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.45	1.25
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.64	1.29
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.89	1.33
07 71 19 00-0013		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.35	1.25
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.49	1.29
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.84	1.33
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.95	1.25
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.12	1.29
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.50	1.33
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.98	1.25
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	8.32	1.29
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	8.72	1.33
07 71 19 00-0026		0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	8.55	1.25
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	8.82	1.29
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	9.10	1.33
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	9.12	1.25
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	9.39	1.29
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	9.71	1.33
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	9.73	1.25
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	9.96	1.29
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	10.17	1.33
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.88	1.25
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.12	1.29
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.36	1.33

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.70	1.25
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.98	1.29
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.26	1.33
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.77	1.25
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.00	1.29
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.21	1.33
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.49	1.25
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.75	1.29
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	16.99	1.33
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.66	2.07
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.25	2.14
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.98	2.21
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.35	2.07
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.96	2.14
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.74	2.21
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.24	2.07
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.81	2.14
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.68	2.21
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.84	2.07
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.44	2.14
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.35	2.21
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.40	2.07
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.84	2.14
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.42	2.21
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.87	2.07
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.33	2.14
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.94	2.21
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.48	2.07
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.92	2.14
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.56	2.21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.90	2.07
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.35	2.14
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.02	2.21
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.77	2.07
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.44	2.14
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.21	2.21
07 71 19 00-0095		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.59	2.07
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.30	2.14
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.11	2.21
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.66	2.07
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.32	2.14
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.05	2.21
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.38	2.07
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.08	2.14
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.84	2.21
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	8.84	1.25
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	11.08	1.29
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	15.76	1.33
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	10.69	1.25
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	13.54	1.29
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	19.46	1.33
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	12.65	1.25
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	16.16	1.29
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	23.38	1.33
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	11.75	2.07
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	14.42	2.14
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	19.64	2.21
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.60	2.07
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	16.88	2.14
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	23.33	2.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	15.56	2.07
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	19.50	2.14
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	27.25	2.21
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	12.75	1.25
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	12.90	1.29
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	13.20	1.33
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	15.97	2.07
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	16.65	2.14
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	17.60	2.21
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	36.74	1.25
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	41.66	1.29
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	47.91	1.33
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	44.87	1.25
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	51.59	1.29
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	58.74	1.33
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	39.57	2.07
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	44.90	2.14
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	51.65	2.21
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	47.70	2.07
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	54.84	2.14
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	62.49	2.21
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	16.45	1.73
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	18.38	1.79
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	19.64	1.86
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	106.41	2.41
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	113.51	2.41
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	117.98	2.41
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	87.06	2.41
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	90.64	2.41
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	92.83	2.41
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	14.87	1.73
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	16.82	1.79
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.84	1.86
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.62	1.73
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.78	1.79
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.92	1.86
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	95.73	2.41
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	103.81	2.41
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	107.34	2.41
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	75.83	2.41
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	79.85	2.41
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	81.61	2.41
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.16	1.73
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.46	1.79
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	20.66	1.86
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.05	1.73
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	20.61	1.79
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.96	1.86

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	118.46	2.41
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	128.55	2.41
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	132.97	2.41
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	93.58	2.41
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	98.61	2.41
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	100.81	2.41
07 71 23		**Manufactured Gutters And Downspouts** *(07 71)*		
		Note: Includes all necessary support straps.		
07 71 23 00-0001		Aluminum Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0002		Aluminum Gutters *(07 71 23 00-0001)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		K-Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	4.99	1.85
		For Up To 100', Add	*0.96*	
		For >100' To 250', Add	*0.40*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*0.86*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	5.51	1.85
		For Up To 100', Add	*1.01*	
		For >100' To 250', Add	*0.43*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*1.09*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	5.26	1.85
		For Up To 100', Add	*0.99*	
		For >100' To 250', Add	*0.42*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*0.98*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	5.86	1.85
		For Up To 100', Add	*1.05*	
		For >100' To 250', Add	*0.45*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*1.25*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	12.04	1.85
		For Up To 100', Add	*1.67*	
		For >100' To 250', Add	*0.76*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*4.03*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	12.88	1.85
		For Up To 100', Add	*1.75*	
		For >100' To 250', Add	*0.80*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*4.41*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	14.77	1.85
		For Up To 100', Add	*1.94*	
		For >100' To 250', Add	*0.89*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*5.26*	
07 71 23 00-0011		Half Round Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	10.46	1.85
		For Up To 100', Add	*1.51*	
		For >100' To 250', Add	*0.68*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*3.32*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	12.69	1.85
		For Up To 100', Add	*1.73*	
		For >100' To 250', Add	*0.79*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*4.32*	
07 71 23 00-0014		Box Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	9.93	1.85
		For Up To 100', Add	*1.46*	
		For >100' To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	9.96	1.85
		For Up To 100', Add	*1.46*	
		For >100' To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*3.09*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	11.65	1.85
		For Up To 100', Add	*1.63*	
		For >100' To 250', Add	*0.74*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*3.85*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	13.17	1.85
		For Up To 100', Add	*1.78*	
		For >100' To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*4.54*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	2.14	
		For Kynar 500® Finish, Add	*0.30*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	2.67	
		For Kynar 500® Finish, Add	*0.54*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	5.94	
		For Kynar 500® Finish, Add	*2.01*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	6.93	
		For Kynar 500® Finish, Add	*2.45*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	3.51	
		For Kynar 500® Finish, Add	*0.91*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	5.49	
		For Kynar 500® Finish, Add	*1.80*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	6.48	
		For Kynar 500® Finish, Add	*2.25*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	7.06	
		For Kynar 500® Finish, Add	*2.51*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	8.30	
		For Kynar 500® Finish, Add	*3.07*	

07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	7.81	
		For Kynar 500® Finish, Add	*2.34*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	11.62	
		For Kynar 500® Finish, Add	*4.06*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	46.03	
		For Kynar 500® Finish, Add	*19.54*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	49.89	
		For Kynar 500® Finish, Add	*21.28*	

07 71 23 00-0038 Half Round, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	17.38	
		For Kynar 500® Finish, Add	*6.65*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	29.83	
		For Kynar 500® Finish, Add	*12.25*	

07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	36.64	
		For Kynar 500® Finish, Add	*15.32*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	56.90	
		For Kynar 500® Finish, Add	*24.44*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	61.71	
		For Kynar 500® Finish, Add	*26.60*	

07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	9.18	1.85
		For Kynar 500® Finish, Add	*2.39*	
		For 0.024" Thick, Add	*0.74*	
		For 0.027" Thick, Add	*1.54*	
		For 0.031" Thick, Add	*2.23*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	13.66	1.85
		For Kynar 500® Finish, Add	*4.41*	
		For 0.024" Thick, Add	*1.37*	
		For 0.027" Thick, Add	*2.84*	
		For 0.031" Thick, Add	*4.11*	

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				MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0048				**Aluminum Downspouts** *(07 71 23 00-0001)*		
				Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049				**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF			3" Diameter, 0.019" Thick, Round Aluminum Downspout	4.53	1.78
				For Up To 100', Add	*0.74*	
				For >100 To 250', Add	*0.32*	
				For >1,000', Deduct	*-0.19*	
				For Kynar 500® Finish, Add	*1.17*	
				For 0.024" Thick, Add	*0.36*	
				For 0.027" Thick, Add	*0.75*	
				For 0.031" Thick, Add	*1.09*	
07 71 23 00-0051	LF			4" Diameter, 0.019" Thick, Round Aluminum Downspout	5.14	1.78
				For Up To 100', Add	*0.80*	
				For >100 To 250', Add	*0.35*	
				For >1,000', Deduct	*-0.19*	
				For Kynar 500® Finish, Add	*1.44*	
				For 0.024" Thick, Add	*0.45*	
				For 0.027" Thick, Add	*0.93*	
				For 0.031" Thick, Add	*1.35*	
07 71 23 00-0052				**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF			2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	3.26	1.78
				For Up To 100', Add	*0.62*	
				For >100 To 250', Add	*0.26*	
				For >1,000', Deduct	*-0.19*	
				For Kynar 500® Finish, Add	*0.60*	
				For 0.024" Thick, Add	*0.19*	
				For 0.027" Thick, Add	*0.39*	
				For 0.031" Thick, Add	*0.56*	
07 71 23 00-0054	LF			3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	4.04	1.78
				For Up To 100', Add	*0.69*	
				For >100 To 250', Add	*0.30*	
				For >1,000', Deduct	*-0.19*	
				For Kynar 500® Finish, Add	*0.95*	
				For 0.024" Thick, Add	*0.30*	
				For 0.027" Thick, Add	*0.61*	
				For 0.031" Thick, Add	*0.89*	
07 71 23 00-0055	LF			4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	7.30	1.78
				For Up To 100', Add	*1.02*	
				For >100 To 250', Add	*0.46*	
				For >1,000', Deduct	*-0.19*	
				For Kynar 500® Finish, Add	*2.42*	
				For 0.024" Thick, Add	*0.75*	
				For 0.027" Thick, Add	*1.56*	
				For 0.031" Thick, Add	*2.26*	
07 71 23 00-0056				**Aluminum Devices** *(07 71 23 00-0001)*		
07 71 23 00-0057	EA			Thru-Wall Aluminum Scupper Outlet	155.18	15.51
				For Kynar 500® Finish, Add	*46.57*	
07 71 23 00-0058	EA			Aluminum Leader/Conductor Head	147.60	17.23
				For Kynar 500® Finish, Add	*50.91*	
07 71 23 00-0059				**Copper Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0060				**Copper Gutters** *(07 71 23 00-0059)*		
				Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061				**K-Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0062	LF			4", 16 Ounce, K-Style Copper Gutter	11.95	1.85
				For Up To 100', Add	*1.66*	
				For >100' To 250', Add	*0.75*	
				For >1,000', Deduct	*-0.31*	
07 71 23 00-0063	LF			5", 16 Ounce, K-Style Copper Gutter	17.48	1.85
				For Up To 100', Add	*2.21*	
				For >100' To 250', Add	*1.03*	
				For >1,000', Deduct	*-0.31*	
07 71 23 00-0064	LF			6", 16 Ounce, K-Style Copper Gutter	21.02	1.85
				For Up To 100', Add	*2.57*	
				For >100' To 250', Add	*1.21*	
				For >1,000', Deduct	*-0.31*	
07 71 23 00-0065	LF			5", 20 Ounce, K-Style Copper Gutter	22.66	1.85
				For Up To 100', Add	*2.73*	
				For >100' To 250', Add	*1.29*	
				For >1,000', Deduct	*-0.31*	
07 71 23 00-0066	LF			6", 20 Ounce, K-Style Copper Gutter	28.35	1.85
				For Up To 100', Add	*3.30*	
				For >100' To 250', Add	*1.57*	
				For >1,000', Deduct	*-0.31*	
07 71 23 00-0067	LF			7", 20 Ounce, K-Style Copper Gutter	33.00	1.85
				For Up To 100', Add	*3.76*	
				For >100' To 250', Add	*1.80*	
				For >1,000', Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	36.42	1.85
		For Up To 100', Add	*4.11*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-0.31*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	14.79	1.85
		For Up To 100', Add	*1.94*	
		For >100' To 250', Add	*0.89*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	19.01	1.85
		For Up To 100', Add	*2.36*	
		For >100' To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	33.07	1.85
		For Up To 100', Add	*3.77*	
		For >100' To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	17.62	1.85
		For Up To 100', Add	*2.23*	
		For >100' To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	22.01	1.85
		For Up To 100', Add	*2.66*	
		For >100' To 250', Add	*1.26*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	34.90	1.85
		For Up To 100', Add	*3.95*	
		For >100' To 250', Add	*1.90*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	39.44	1.85
		For Up To 100', Add	*4.41*	
		For >100' To 250', Add	*2.13*	
		For >1,000', Deduct	*-0.31*	

07 71 23 00-0077 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0078 K-Style, Copper Gutter End Caps *(07 71 23 00-0077)*

07 71 23 00-0079	EA	4", K-Style Copper Gutter End Cap	4.54
07 71 23 00-0080	EA	5", K-Style Copper Gutter End Cap	4.87
07 71 23 00-0081	EA	6", K-Style Copper Gutter End Cap	5.21
07 71 23 00-0082	EA	7", K-Style Copper Gutter End Cap	14.25
07 71 23 00-0083	EA	8", K-Style Copper Gutter End Cap	17.42

07 71 23 00-0084 Half Round, Copper Gutter End Caps *(07 71 23 00-0077)*

07 71 23 00-0085	EA	4", Half Round Copper Gutter End Cap	5.54
07 71 23 00-0086	EA	5", Half Round Copper Gutter End Cap	6.25
07 71 23 00-0087	EA	6", Half Round Copper Gutter End Cap	9.56
07 71 23 00-0088	EA	7", Half Round Copper Gutter End Cap	29.25
07 71 23 00-0089	EA	8", Half Round Copper Gutter End Cap	34.59

07 71 23 00-0090 Copper Gutter Miters *(07 71 23 00-0059)*

Note: Inside or outside miters.

07 71 23 00-0091 K-Style, Copper Gutter Miters *(07 71 23 00-0090)*

07 71 23 00-0092	EA	4", K-Style Copper Gutter Miter	25.25
07 71 23 00-0093	EA	5", K-Style Copper Gutter Miter	28.73
07 71 23 00-0094	EA	6", K-Style Copper Gutter Miter	43.42
07 71 23 00-0095	EA	7", K-Style Copper Gutter Miter	63.60
07 71 23 00-0096	EA	8", K-Style Copper Gutter Miter	75.18

07 71 23 00-0097 Half Round, Copper Gutter Miters *(07 71 23 00-0090)*

07 71 23 00-0098	EA	4", Half Round Copper Gutter Miter	42.51
07 71 23 00-0099	EA	5", Half Round Copper Gutter Miter	38.29
07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	57.25
07 71 23 00-0101	EA	7", Half Round Copper Gutter Miter	68.97
07 71 23 00-0102	EA	8", Half Round Copper Gutter Miter	82.14

07 71 23 00-0103 Copper Gutter Wire Strainers *(07 71 23 00-0059)*

07 71 23 00-0104	EA	2" Diameter, Round Copper Wire Strainer	11.91	1.85
07 71 23 00-0105	EA	3" Diameter, Round Copper Wire Strainer	14.55	1.85
07 71 23 00-0106	EA	4" Diameter, Round Copper Wire Strainer	23.18	1.85
07 71 23 00-0107	EA	5" Diameter, Round Copper Wire Strainer	30.69	1.85
07 71 23 00-0108	EA	6" Diameter, Round Copper Wire Strainer	36.98	1.85

07 71 23 00-0109 Copper Downspouts *(07 71 23 00-0059)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0110 Round Copper Downspouts *(07 71 23 00-0109)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0111	LF	2" Diameter, 16 Ounce, Round Copper Downspout	19.43	1.78
		For Up To 100', Add	*2.23*	
		For >100 To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0112	LF	3" Diameter, 16 Ounce, Round Copper Downspout	13.46	1.78
		For Up To 100', Add	*1.64*	
		For >100 To 250', Add	*0.77*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0113	LF	4" Diameter, 16 Ounce, Round Copper Downspout	17.03	1.78
		For Up To 100', Add	*1.99*	
		For >100 To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0114	LF	5" Diameter, 16 Ounce, Round Copper Downspout	27.36	1.78
		For Up To 100', Add	*3.03*	
		For >100 To 250', Add	*1.46*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0115	LF	6" Diameter, 16 Ounce, Round Copper Downspout	35.25	1.78
		For Up To 100', Add	*3.81*	
		For >100 To 250', Add	*1.86*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0116	LF	3" Diameter, 20 Ounce, Round Copper Downspout	18.29	1.78
		For Up To 100', Add	*2.12*	
		For >100 To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0117	LF	4" Diameter, 20 Ounce, Round Copper Downspout	23.81	1.78
		For Up To 100', Add	*2.67*	
		For >100 To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0118	LF	5" Diameter, 20 Ounce, Round Copper Downspout	36.33	1.78
		For Up To 100', Add	*3.92*	
		For >100 To 250', Add	*1.91*	
		For >1,000', Deduct	*-0.19*	

07 71 23 00-0119 Square Copper Downspouts *(07 71 23 00-0109)*

07 71 23 00-0120	LF	3" Diameter, 16 Ounce, Square Copper Downspout	9.24	1.78
		For Up To 100', Add	*1.21*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0121	LF	4" Diameter, 16 Ounce, Square Copper Downspout	11.61	1.78
		For Up To 100', Add	*1.45*	
		For >100 To 250', Add	*0.68*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0122	LF	5" Diameter, 16 Ounce, Square Copper Downspout	16.73	1.78
		For Up To 100', Add	*1.96*	
		For >100 To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0123	LF	3" Diameter, 20 Ounce, Square Copper Downspout	10.71	1.78
		For Up To 100', Add	*1.36*	
		For >100 To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0124	LF	4" Diameter, 20 Ounce, Square Copper Downspout	13.67	1.78
		For Up To 100', Add	*1.66*	
		For >100 To 250', Add	*0.78*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0125	LF	5" Diameter, 20 Ounce, Square Copper Downspout	19.75	1.78
		For Up To 100', Add	*2.26*	
		For >100 To 250', Add	*1.08*	
		For >1,000', Deduct	*-0.19*	

07 71 23 00-0126 Rectangular Copper Downspouts *(07 71 23 00-0109)*

07 71 23 00-0127	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	13.82	1.78
		For Up To 100', Add	*1.67*	
		For >100 To 250', Add	*0.79*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0128	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	17.55	1.78
		For Up To 100', Add	*2.04*	
		For >100 To 250', Add	*0.97*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0129	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	25.07	1.78
		For Up To 100', Add	*2.80*	
		For >100 To 250', Add	*1.35*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0130	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	16.14	1.78
		For Up To 100', Add	*1.90*	
		For >100 To 250', Add	*0.90*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0131	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	20.77	1.78
		For Up To 100', Add	*2.37*	
		For >100 To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0132	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	29.92	1.78
		For Up To 100', Add	*3.28*	
		For >100 To 250', Add	*1.59*	
		For >1,000', Deduct	*-0.19*	

07 71 23 00-0133 Copper Devices And Accessories *(07 71 23 00-0059)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet	151.31	15.51
07 71 23 00-0135	EA	Copper Leader/Conductor Head	224.09	17.23
07 71 23 00-0136	EA	Copper Eave Box	99.73	11.14

07 71 23 00-0137 Galvanized Steel Gutters And Downspouts *(07 71 23)*

07 71 23 00-0138 Galvanized Steel Gutters *(07 71 23 00-0137)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0139 K-Style Galvanized Steel Gutters *(07 71 23 00-0138)*

07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	6.53	1.85
		For Up To 100', Add	*1.12*	
		For >100' To 250', Add	*0.48*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*1.55*	
		For 24 Gauge, Add	*0.52*	
		For 22 Gauge, Add	*1.20*	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	7.58	1.85
		For Up To 100', Add	*1.22*	
		For >100' To 250', Add	*0.53*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*2.02*	
		For 24 Gauge, Add	*0.67*	
		For 22 Gauge, Add	*1.57*	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	16.91	1.85
		For Up To 100', Add	*2.15*	
		For >100' To 250', Add	*1.00*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*6.22*	
		For 24 Gauge, Add	*2.07*	
		For 22 Gauge, Add	*4.84*	
07 71 23 00-0143	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	17.43	1.85
		For Up To 100', Add	*2.21*	
		For >100' To 250', Add	*1.03*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*6.45*	
		For 24 Gauge, Add	*2.15*	
		For 22 Gauge, Add	*5.02*	

07 71 23 00-0144 Half Round Galvanized Steel Gutters *(07 71 23 00-0138)*

07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	10.09	1.85
		For Up To 100', Add	*1.47*	
		For >100' To 250', Add	*0.66*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*3.15*	
		For 24 Gauge, Add	*1.05*	
		For 22 Gauge, Add	*2.45*	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	12.82	1.85
		For Up To 100', Add	*1.75*	
		For >100' To 250', Add	*0.80*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*4.38*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*3.41*	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	34.07	1.85
		For Up To 100', Add	*3.87*	
		For >100' To 250', Add	*1.86*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*13.94*	
		For 24 Gauge, Add	*4.65*	
		For 22 Gauge, Add	*10.84*	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	35.98	1.85
		For Up To 100', Add	*4.06*	
		For >100' To 250', Add	*1.95*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*14.80*	
		For 24 Gauge, Add	*4.93*	
		For 22 Gauge, Add	*11.51*	

07 71 23 00-0149 Box Style Galvanized Steel Gutters *(07 71 23 00-0138)*

07 71 23 00-0150	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	11.67	1.85
		For Up To 100', Add	*1.63*	
		For >100' To 250', Add	*0.74*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*3.86*	
		For 22 Gauge, Add	*1.29*	
07 71 23 00-0151	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	13.60	1.85
		For Up To 100', Add	*1.82*	
		For >100' To 250', Add	*0.83*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*4.73*	
		For 22 Gauge, Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0152	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	18.28	1.85
		For Up To 100', Add	*2.29*	
		For >100' To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*6.84*	
		For 22 Gauge, Add	*2.28*	
07 71 23 00-0153	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	19.30	1.85
		For Up To 100', Add	*2.39*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.31*	
		For Kynar 500® Finish, Add	*7.29*	
		For 22 Gauge, Add	*2.43*	

07 71 23 00-0154 Galvanized Steel Gutter End Caps *(07 71 23 00-0137)*

07 71 23 00-0155 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*

07 71 23 00-0156	EA	5", K-Style Galvanized Steel Gutter End Cap	3.54	
		For Kynar 500® Finish, Add	*0.93*	
07 71 23 00-0157	EA	6", K-Style Galvanized Steel Gutter End Cap	4.08	
		For Kynar 500® Finish, Add	*1.17*	
07 71 23 00-0158	EA	7", K-Style Galvanized Steel Gutter End Cap	8.90	
		For Kynar 500® Finish, Add	*3.34*	
07 71 23 00-0159	EA	8", K-Style Galvanized Steel Gutter End Cap	12.92	
		For Kynar 500® Finish, Add	*5.15*	

07 71 23 00-0160 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*

07 71 23 00-0161	EA	5", Half Round Galvanized Steel Gutter End Cap	4.56	
		For Kynar 500® Finish, Add	*1.39*	
07 71 23 00-0162	EA	6", Half Round Galvanized Steel Gutter End Cap	5.25	
		For Kynar 500® Finish, Add	*1.70*	
07 71 23 00-0163	EA	7", Half Round Galvanized Steel Gutter End Cap	9.82	
		For Kynar 500® Finish, Add	*3.75*	
07 71 23 00-0164	EA	8", Half Round Galvanized Steel Gutter End Cap	13.28	
		For Kynar 500® Finish, Add	*5.31*	

07 71 23 00-0165 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0154)*

07 71 23 00-0166	EA	5", Box Style Galvanized Steel Gutter End Cap	8.20	
		For Kynar 500® Finish, Add	*3.02*	
07 71 23 00-0167	EA	6", Box Style Galvanized Steel Gutter End Cap	9.89	
		For Kynar 500® Finish, Add	*3.78*	
07 71 23 00-0168	EA	7", Box Style Galvanized Steel Gutter End Cap	11.08	
		For Kynar 500® Finish, Add	*4.32*	
07 71 23 00-0169	EA	8", Box Style Galvanized Steel Gutter End Cap	14.85	
		For Kynar 500® Finish, Add	*6.02*	

07 71 23 00-0170 Galvanized Steel Gutter Miters *(07 71 23 00-0137)*

Note: Inside or outside miters.

07 71 23 00-0171 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*

07 71 23 00-0172	EA	5", K-Style Galvanized Steel Gutter Miter	16.57	
		For Kynar 500® Finish, Add	*6.29*	
07 71 23 00-0173	EA	6", K-Style Galvanized Steel Gutter Miter	29.33	
		For Kynar 500® Finish, Add	*12.03*	
07 71 23 00-0174	EA	7", K-Style Galvanized Steel Gutter Miter	49.61	
		For Kynar 500® Finish, Add	*21.15*	
07 71 23 00-0175	EA	8", K-Style Galvanized Steel Gutter Miter	55.90	
		For Kynar 500® Finish, Add	*23.99*	

07 71 23 00-0176 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*

07 71 23 00-0177	EA	5", Half Round Galvanized Steel Gutter Miter	24.47	
		For Kynar 500® Finish, Add	*9.84*	
07 71 23 00-0178	EA	6", Half Round Galvanized Steel Gutter Miter	27.58	
		For Kynar 500® Finish, Add	*11.24*	
07 71 23 00-0179	EA	7", Half Round Galvanized Steel Gutter Miter	87.56	
		For Kynar 500® Finish, Add	*38.23*	
07 71 23 00-0180	EA	8", Half Round Galvanized Steel Gutter Miter	92.28	
		For Kynar 500® Finish, Add	*40.36*	

07 71 23 00-0181 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0170)*

07 71 23 00-0182	EA	5", Box Style Galvanized Steel Gutter Miter	22.89	
		For Kynar 500® Finish, Add	*9.13*	
07 71 23 00-0183	EA	6", Box Style Galvanized Steel Gutter Miter	39.78	
		For Kynar 500® Finish, Add	*16.73*	
07 71 23 00-0184	EA	7", Box Style Galvanized Steel Gutter Miter	52.76	
		For Kynar 500® Finish, Add	*22.57*	
07 71 23 00-0185	EA	8", Box Style Galvanized Steel Gutter Miter	55.90	
		For Kynar 500® Finish, Add	*23.99*	

07 71 23 00-0186 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0137)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0187	EA	3" Diameter, Round Galvanized Steel Wire Strainer	8.10	1.85
		For Kynar 500® Finish, Add	*1.90*	
07 71 23 00-0188	EA	4" Diameter, Round Galvanized Steel Wire Strainer	11.71	1.85
		For Kynar 500® Finish, Add	*3.53*	

07 71 23 00-0189 Galvanized Steel Downspouts *(07 71 23 00-0137)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0190 Round Galvanized Steel Downspouts *(07 71 23 00-0189)*

07 71 23 00-0191	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	4.44	1.78
		For Up To 100', Add	*0.73*	
		For >100 To 250', Add	*0.32*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*1.13*	
		For 24 Gauge, Add	*0.38*	
		For 22 Gauge, Add	*0.88*	
07 71 23 00-0192	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	5.52	1.78
		For Up To 100', Add	*0.84*	
		For >100 To 250', Add	*0.37*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*1.62*	
		For 24 Gauge, Add	*0.54*	
		For 22 Gauge, Add	*1.26*	
07 71 23 00-0193	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	7.51	1.78
		For Up To 100', Add	*1.04*	
		For >100 To 250', Add	*0.47*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*2.51*	
		For 24 Gauge, Add	*0.84*	
		For 22 Gauge, Add	*1.95*	
07 71 23 00-0194	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	16.69	1.78
		For Up To 100', Add	*1.96*	
		For >100 To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*6.64*	
		For 24 Gauge, Add	*2.21*	
		For 22 Gauge, Add	*5.17*	

07 71 23 00-0195 Square Galvanized Steel Downspouts *(07 71 23 00-0189)*

07 71 23 00-0196	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	5.04	1.78
		For Up To 100', Add	*0.79*	
		For >100 To 250', Add	*0.35*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*1.40*	
		For 24 Gauge, Add	*0.47*	
		For 22 Gauge, Add	*1.09*	
07 71 23 00-0197	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	6.46	1.78
		For Up To 100', Add	*0.94*	
		For >100 To 250', Add	*0.42*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*2.04*	
		For 24 Gauge, Add	*0.68*	
		For 22 Gauge, Add	*1.59*	

07 71 23 00-0198 Rectangular Galvanized Steel Downspouts *(07 71 23 00-0189)*

07 71 23 00-0199	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	4.52	1.78
		For Up To 100', Add	*0.74*	
		For >100 To 250', Add	*0.32*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*1.17*	
		For 24 Gauge, Add	*0.39*	
		For 22 Gauge, Add	*0.91*	
07 71 23 00-0200	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	5.76	1.78
		For Up To 100', Add	*0.87*	
		For >100 To 250', Add	*0.38*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*1.72*	
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.34*	
07 71 23 00-0201	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	10.70	1.78
		For Up To 100', Add	*1.36*	
		For >100 To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.19*	
		For Kynar 500® Finish, Add	*3.95*	
		For 24 Gauge, Add	*1.32*	
		For 22 Gauge, Add	*3.07*	

07 71 23 00-0202 Galvanized Steel Devices *(07 71 23 00-0137)*

07 71 23 00-0203	EA	Galvanized Steel Leader/Conductor Head	194.98	17.23
		For Kynar 500® Finish, Add	*72.23*	
07 71 23 00-0204	EA	Thru-Wall Galvanized Steel Scupper Outlet	106.24	15.51
		For Kynar 500® Finish, Add	*24.54*	

07 71 23 00-0205 Stainless Steel Gutters And Downspouts *(07 71 23)*

Note: AISI type 304 stainless steel.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0206		**Stainless Steel Gutters** *(07 71 23 00-0205)* Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207		**K-Style, Stainless Steel Gutters** *(07 71 23 00-0206)*		
07 71 23 00-0208	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	17.29	1.85
		For Up To 100', Add	*2.19*	
		For >100' To 250', Add	*1.02*	
		For >1,000', Deduct	*-0.31*	
		For 24 Gauge, Add	*2.56*	
		For 22 Gauge, Add	*5.91*	
		For 20 Gauge, Add	*8.32*	
07 71 23 00-0209	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	20.84	1.85
		For Up To 100', Add	*2.55*	
		For >100' To 250', Add	*1.20*	
		For >1,000', Deduct	*-0.31*	
		For 24 Gauge, Add	*3.20*	
		For 22 Gauge, Add	*7.38*	
		For 20 Gauge, Add	*10.40*	
07 71 23 00-0210		**Half Round, Stainless Steel Gutters** *(07 71 23 00-0206)*		
07 71 23 00-0211	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	24.59	1.85
		For Up To 100', Add	*2.92*	
		For >100' To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.31*	
		For 24 Gauge, Add	*3.87*	
		For 22 Gauge, Add	*8.94*	
		For 20 Gauge, Add	*12.60*	
07 71 23 00-0212	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	29.92	1.85
		For Up To 100', Add	*3.46*	
		For >100' To 250', Add	*1.65*	
		For >1,000', Deduct	*-0.31*	
		For 24 Gauge, Add	*4.83*	
		For 22 Gauge, Add	*11.16*	
		For 20 Gauge, Add	*15.72*	
07 71 23 00-0213		**Box Style, Stainless Steel Gutters** *(07 71 23 00-0206)*		
07 71 23 00-0214	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	21.39	2.32
		For Up To 100', Add	*2.72*	
		For >100' To 250', Add	*1.26*	
		For >1,000', Deduct	*-0.39*	
		For 24 Gauge, Add	*3.15*	
		For 22 Gauge, Add	*7.29*	
		For 20 Gauge, Add	*10.27*	
		For Seamless Gutter, Add	*-0.30*	
07 71 23 00-0215	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	25.83	2.32
		For Up To 100', Add	*3.16*	
		For >100' To 250', Add	*1.49*	
		For >1,000', Deduct	*-0.39*	
		For 24 Gauge, Add	*3.95*	
		For 22 Gauge, Add	*9.14*	
		For 20 Gauge, Add	*12.87*	
		For Seamless Gutter, Add	*-0.52*	
07 71 23 00-0216	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	29.00	2.40
		For Up To 100', Add	*3.58*	
		For >100' To 250', Add	*1.68*	
		For >1,000', Deduct	*-0.45*	
		For 24 Gauge, Add	*4.41*	
		For 22 Gauge, Add	*10.19*	
		For 20 Gauge, Add	*14.35*	
		For Seamless Gutter, Add	*-0.55*	
07 71 23 00-0217	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	34.02	2.47
		For Up To 100', Add	*4.18*	
		For >100' To 250', Add	*1.96*	
		For >1,000', Deduct	*-0.52*	
		For 24 Gauge, Add	*5.19*	
		For 22 Gauge, Add	*12.01*	
		For 20 Gauge, Add	*16.91*	
		For Seamless Gutter, Add	*-0.67*	
07 71 23 00-0218		**Stainless Steel Gutter End Caps** *(07 71 23 00-0205)*		
07 71 23 00-0219		**K-Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0218)*		
07 71 23 00-0220	EA	5", K-Style Stainless Steel Gutter End Cap	5.92	
07 71 23 00-0221	EA	6", K-Style Stainless Steel Gutter End Cap	6.81	
07 71 23 00-0222		**Half Round, Stainless Steel Gutter End Caps** *(07 71 23 00-0218)*		
07 71 23 00-0223	EA	5", Half Round Stainless Steel Gutter End Cap	7.03	
07 71 23 00-0224	EA	6", Half Round Stainless Steel Gutter End Cap	8.14	
07 71 23 00-0225		**Box Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0218)*		
07 71 23 00-0226	EA	5", Box Style Stainless Steel Gutter End Cap	7.40	
07 71 23 00-0227	EA	6", Box Style Stainless Steel Gutter End Cap	8.51	
07 71 23 00-0228	EA	7", Box Style Stainless Steel Gutter End Cap	8.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0229	EA	8", Box Style Stainless Steel Gutter End Cap	10.83	
07 71 23 00-0230		Stainless Steel Gutter Miters *(07 71 23 00-0205)*		
		Note: Inside or outside box miters.		
07 71 23 00-0231		K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0230)*		
07 71 23 00-0232	EA	5", K-Style Stainless Steel Gutter Miter	25.55	
07 71 23 00-0233	EA	6", K-Style Stainless Steel Gutter Miter	43.32	
07 71 23 00-0234		Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0230)*		
07 71 23 00-0235	EA	5", Half Round Stainless Steel Gutter Miter	69.97	
07 71 23 00-0236	EA	6", Half Round Stainless Steel Gutter Miter	86.22	
07 71 23 00-0237		Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0230)*		
07 71 23 00-0238	EA	5", Box-Style Stainless Steel Gutter Miter	30.14	
07 71 23 00-0239	EA	6", Box-Style Stainless Steel Gutter Miter	51.46	
07 71 23 00-0240	EA	7", K-Style Stainless Steel Gutter Miter	50.86	
07 71 23 00-0241	EA	8", Box-Style Stainless Steel Gutter Miter	68.61	
07 71 23 00-0242		Stainless Steel Gutter Wire Strainers *(07 71 23 00-0205)*		
07 71 23 00-0243	EA	3" Diameter, Round Stainless Steel Wire Strainer	26.63	1.85
07 71 23 00-0244	EA	4" Diameter, Round Stainless Steel Wire Strainer	27.26	1.85
07 71 23 00-0245		Stainless Steel Downspouts *(07 71 23 00-0205)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0246		Round Stainless Steel Downspouts *(07 71 23 00-0245)*		
07 71 23 00-0247	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	11.11	1.78
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.19*	
		For 24 Gauge, Add	*1.65*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.38*	
07 71 23 00-0248	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	14.66	1.78
		For Up To 100', Add	*1.76*	
		For >100 To 250', Add	*0.83*	
		For >1,000', Deduct	*-0.19*	
		For 24 Gauge, Add	*2.29*	
		For 22 Gauge, Add	*5.30*	
		For 20 Gauge, Add	*7.46*	
07 71 23 00-0249	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	21.38	1.78
		For Up To 100', Add	*2.43*	
		For >100 To 250', Add	*1.17*	
		For >1,000', Deduct	*-0.19*	
		For 24 Gauge, Add	*3.50*	
		For 22 Gauge, Add	*8.09*	
		For 20 Gauge, Add	*11.40*	
07 71 23 00-0250		Rectangular Stainless Steel Downspouts *(07 71 23 00-0245)*		
07 71 23 00-0251	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	11.37	1.78
		For Up To 100', Add	*1.43*	
		For >100 To 250', Add	*0.67*	
		For >1,000', Deduct	*-0.19*	
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.93*	
		For 20 Gauge, Add	*5.53*	
07 71 23 00-0252	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	15.20	1.78
		For Up To 100', Add	*1.81*	
		For >100 To 250', Add	*0.86*	
		For >1,000', Deduct	*-0.19*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*5.52*	
		For 20 Gauge, Add	*7.78*	
07 71 23 00-0253	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	19.68	1.78
		For Up To 100', Add	*2.26*	
		For >100 To 250', Add	*1.08*	
		For >1,000', Deduct	*-0.19*	
		For 24 Gauge, Add	*3.20*	
		For 22 Gauge, Add	*7.38*	
		For 20 Gauge, Add	*10.40*	
07 71 23 00-0254		Stainless Steel Devices *(07 71 23 00-0205)*		
07 71 23 00-0255	EA	Thru-Wall Stainless Steel Scupper Outlet	178.48	16.70
07 71 23 00-0256	EA	Stainless Steel Leader/Conductor Head	261.83	16.70
07 71 23 00-0257		Vinyl Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0258		Vinyl Gutters *(07 71 23 00-0257)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0259		K-Style Vinyl Gutters *(07 71 23 00-0258)*		
07 71 23 00-0260	LF	4", K-Style Vinyl Gutter	6.91	1.85
		For Up To 100', Add	*1.15*	
		For >100' To 250', Add	*0.50*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0261	LF	5", K-Style Vinyl Gutter	8.88	1.85
		For Up To 100', Add	*1.35*	
		For >100' To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0262		Half Round Vinyl Gutters *(07 71 23 00-0258)*		
07 71 23 00-0263	LF	4", Half Round Vinyl Gutter	7.14	1.85
		For Up To 100', Add	*1.18*	
		For >100' To 250', Add	*0.51*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0264	LF	5", Half Round Vinyl Gutter	7.50	1.85
		For Up To 100', Add	*1.21*	
		For >100' To 250', Add	*0.53*	
		For >1,000', Deduct	*-0.31*	
07 71 23 00-0265		Vinyl Gutter End Caps *(07 71 23 00-0257)*		
07 71 23 00-0266		K-Style, Vinyl Gutter End Caps *(07 71 23 00-0265)*		
07 71 23 00-0267	EA	4", K-Style Vinyl Gutter End Cap	4.25	
07 71 23 00-0268	EA	5", K-Style Vinyl Gutter End Cap	5.89	
07 71 23 00-0269		Half Round, Vinyl Gutter End Caps *(07 71 23 00-0265)*		
07 71 23 00-0270	EA	4", Half Round Vinyl Gutter End Cap	4.86	
07 71 23 00-0271	EA	5", Half Round Vinyl Gutter End Cap	4.58	
07 71 23 00-0272		Vinyl Gutter Miters *(07 71 23 00-0257)*		
		Note: Inside or outside miters.		
07 71 23 00-0273		K-Style, Vinyl Gutter Miters *(07 71 23 00-0272)*		
07 71 23 00-0274	EA	4", K-Style Vinyl Gutter Miter	10.57	
07 71 23 00-0275	EA	5", K-Style Vinyl Gutter Miter	15.85	
07 71 23 00-0276		Half Round, Vinyl Gutter Miters *(07 71 23 00-0272)*		
07 71 23 00-0277	EA	4", Half Round Vinyl Gutter Miter	10.57	
07 71 23 00-0278	EA	5", Half Round Vinyl Gutter Miter	11.48	
07 71 23 00-0279		Vinyl Downspouts *(07 71 23 00-0257)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0280		Round Vinyl Downspouts *(07 71 23 00-0279)*		
07 71 23 00-0281	LF	2-1/2" Diameter, Round Vinyl Downspout	4.54	1.78
		For Up To 100', Add	*0.74*	
		For >100 To 250', Add	*0.32*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0282	LF	3" Diameter, Round Vinyl Downspout	4.73	1.78
		For Up To 100', Add	*0.76*	
		For >100 To 250', Add	*0.33*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0283		Square Vinyl Downspouts *(07 71 23 00-0279)*		
07 71 23 00-0284	LF	2-1/2", Square Vinyl Downspout	4.46	1.78
		For Up To 100', Add	*0.74*	
		For >100 To 250', Add	*0.32*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0285		Rectangular Vinyl Downspouts *(07 71 23 00-0279)*		
07 71 23 00-0286	LF	2" x 3", Rectangular Vinyl Downspout	5.69	1.78
		For Up To 100', Add	*0.86*	
		For >100 To 250', Add	*0.38*	
		For >1,000', Deduct	*-0.19*	
07 71 23 00-0287		Gutter And Downspout Boots *(07 71 23)*		
07 71 23 00-0288		Cast Iron Roof Drainage Downspout Boots *(07 71 23 00-0287)*		
07 71 23 00-0289	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	193.82	2.67
07 71 23 00-0290	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	252.73	2.67
07 71 23 00-0291	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	301.73	2.67
07 71 23 00-0292		Leaf Guards And Cleaning *(07 71 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0293	LF	Aluminum Mesh Gutter Leaf Guard	2.48	0.61
		For Up To 100', Add	*0.43*	
		For >100' To 250', Add	*0.19*	
		For >1,000', Deduct	*-0.12*	
07 71 23 00-0294	LF	Vinyl Mesh Gutter Leaf Guard	1.91	0.61
		For Up To 100', Add	*0.37*	
		For >100' To 250', Add	*0.16*	
		For >1,000', Deduct	*-0.12*	
07 71 23 00-0295	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.42	0.76
		For Up To 100', Add	*1.37*	
		For >100' To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.16*	
07 71 23 00-0296	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.38	0.76
		For Up To 100', Add	*1.87*	
		For >100' To 250', Add	*0.90*	
		For >1,000', Deduct	*-0.16*	
07 71 23 00-0297	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.70	0.76
		For Up To 100', Add	*1.05*	
		For >100' To 250', Add	*0.50*	
		For >1,000', Deduct	*-0.12*	
07 71 23 00-0298	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.45	0.76
		For Up To 100', Add	*1.53*	
		For >100' To 250', Add	*0.73*	
		For >1,000', Deduct	*-0.12*	
07 71 23 00-0299	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	94.16	
07 71 23 00-0300	LF	Clean Gutters And Downspouts	1.20	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.11	3.06
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.22	3.06
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.41	3.06
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.12	3.06
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.53	3.06
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	12.01	3.06

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	11.89	3.06
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	12.05	3.06
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	12.32	3.06
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	13.37	3.06
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	13.96	3.06
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	14.65	3.06

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	10.37	3.06
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.04	3.06
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.71	3.06
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	12.19	3.06
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	13.27	3.06
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	14.83	3.06

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.84	3.06
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.27	3.06
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.70	3.06
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.00	3.06
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.69	3.06
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	11.69	3.06

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.06	3.06
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.68	3.06
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.30	3.06
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.74	3.06
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.74	3.06
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.18	3.06

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	12.79	3.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0042	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	13.97	3.06
07 71 26 00-0043		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0043)*		
07 71 26 00-0045	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	23.36	3.06

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	297.67	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	305.06	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.07*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	324.26	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	352.59	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*54.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*109.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.25*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	373.53	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*67.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	472.78	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*89.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*145.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.76*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	307.53	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*77.91*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	325.49	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*103.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*124.41*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	341.51	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	347.66	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	453.08	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*82.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	494.44	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*93.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*122.81*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	382.15	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	413.66	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*80.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.21*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	427.21	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	468.58	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*110.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*166.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*205.71*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	498.86	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	538.98	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*152.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*230.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*272.23*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	427.21	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	455.03	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*82.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	497.63	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*150.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*210.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*246.36*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	509.94	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*92.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	552.53	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*189.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*251.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*330.12*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	313.69	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	317.38	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	336.58	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	368.60	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*54.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*109.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.25*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	392.01	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	487.57	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*89.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*145.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.76*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	318.61	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*77.91*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	358.75	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*103.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*124.41*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	383.39	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	411.72	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	472.78	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	519.08	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*95.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*93.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*122.81*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	396.94	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	425.98	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*80.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.21*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	445.68	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	488.28	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*110.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*166.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*205.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	522.26	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*95.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	566.08	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*152.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*230.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*272.23*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	445.68	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	474.73	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	518.57	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*150.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*210.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*246.36*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	534.58	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	579.63	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*105.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*189.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*251.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*330.12*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	322.31	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.01	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.07*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	342.74	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	378.46	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*54.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*109.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.25*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	405.56	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	504.81	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*89.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*145.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.01	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*77.91*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	342.74	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*103.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*124.41*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	405.56	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	435.12	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	487.57	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	535.09	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*93.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*122.81*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	406.79	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	439.53	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*80.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.21*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	458.00	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*83.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	503.07	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*92.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*110.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*166.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*205.71*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	537.04	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	583.33	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*152.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*230.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*272.23*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	458.00	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*83.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	488.28	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	534.58	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*150.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*210.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*246.36*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	550.59	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	598.11	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*189.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*251.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*330.12*	
07 72 13 00-0076		14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	284.12	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	300.14	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.07*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	346.43	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	383.39	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*54.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*109.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.25*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	410.49	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	524.52	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*89.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*145.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.76*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	329.70	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*77.91*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	356.29	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*103.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*124.41*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	368.60	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	379.69	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	494.96	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	543.72	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*93.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*122.81*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	411.72	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	444.45	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*80.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.21*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	464.16	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	510.46	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*110.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*166.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*205.71*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	544.43	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	591.95	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*108.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*152.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*230.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*272.23*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	464.16	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	494.44	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	541.97	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*150.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*210.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*246.36*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	559.22	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*102.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	607.96	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*111.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*189.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*251.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*330.12*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	295.21	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	313.69	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	364.91	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	405.56	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*54.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*109.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.25*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	438.82	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	529.45	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*89.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*145.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.76*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	345.71	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*77.91*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	376.00	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*103.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*124.41*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	392.01	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	406.79	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	524.52	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	579.44	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*107.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*93.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*122.81*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	433.89	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*79.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	469.09	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*80.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.21*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	492.49	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	540.02	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*110.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*166.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*205.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	578.92	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	631.37	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*116.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*152.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*230.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*272.23*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	492.49	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	526.47	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*96.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	576.46	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*105.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*150.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*210.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*246.36*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	594.94	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	649.85	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*119.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*189.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*251.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*330.12*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	303.83	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	323.54	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.07*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	376.00	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	420.34	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*54.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*109.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.25*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	457.29	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*84.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	568.86	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*89.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*145.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*168.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	358.03	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*77.91*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	396.94	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*51.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*103.47*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*124.41*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	419.11	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*76.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	424.04	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	546.69	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	604.07	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*112.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*93.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*122.81*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	448.67	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*82.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	485.10	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*80.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.21*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	510.97	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	562.19	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*110.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*166.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*205.71*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	601.10	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*110.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	658.47	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*152.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*230.35*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*272.23*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	510.97	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	548.64	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	597.40	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*110.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*150.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*210.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*246.36*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	619.57	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*114.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	676.94	100.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*125.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*189.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*251.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*330.12*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	355.12	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.82*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	457.73	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.35*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	530.29	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.08*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	612.22	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*115.47*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	675.35	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*127.32*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	505.37	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.87*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	644.63	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*122.73*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	664.05	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*125.84*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	716.40	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.31*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	805.19	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.29*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,022.24	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.92*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	752.21	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*144.24*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	894.60	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,079.20	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.87*	

07 72 13 00-0167 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	223.77	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*16.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*38.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	246.66	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*42.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	278.68	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*48.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	274.99	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*48.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	283.61	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*49.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	320.04	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	281.15	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*49.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	331.13	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	362.13	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	308.96	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	339.24	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	386.76	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	

07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	231.16	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*16.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*40.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	255.28	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*44.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	302.09	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	289.77	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	302.09	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	338.52	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	294.70	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	348.37	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	379.37	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	322.50	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	355.25	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	404.01	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	236.08	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*41.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	263.90	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*45.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	304.55	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	298.39	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	313.17	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	350.84	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	303.32	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	359.46	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	390.46	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	331.13	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	365.10	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	416.33	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	242.24	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*42.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	268.83	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*46.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	315.64	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	325.49	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	364.39	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	314.41	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	371.78	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	405.24	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	374.96	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	

07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	233.62	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*40.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	255.28	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*44.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	294.70	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	286.07	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	297.16	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	334.82	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	292.23	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	344.68	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	375.68	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	323.74	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	352.79	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	404.01	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	242.24	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*42.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	265.13	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*46.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	309.48	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	300.86	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	316.87	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	357.00	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	309.48	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	365.62	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	399.08	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	339.75	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	371.26	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	424.95	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0245		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	249.63	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*43.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	274.99	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*48.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	324.26	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	311.94	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*64.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*118.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.50*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	331.65	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	373.01	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	320.56	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	379.17	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	413.86	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	352.07	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*102.61*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	384.81	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	440.96	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*78.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*22.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*82.90*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*144.49*	
07 72 13 00-0258		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	264.42	62.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*46.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.97*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*66.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	282.38	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*49.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*83.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*92.38*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	335.35	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.63*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*79.02*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	343.97	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*70.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*86.60*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	419.82	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*76.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*80.07*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*104.70*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	356.29	69.74
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*66.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*120.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*134.27*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	422.28	77.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*76.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*94.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*137.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*179.84*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	463.14	92.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*83.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*88.01*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*118.81*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	430.39	85.24
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*115.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*176.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.33*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	103.23	20.70
		For Curb Or Flange Base, Add	*115.08*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	123.97	22.92
		For Curb Or Flange Base, Add	*126.49*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	133.74	27.35
		For Curb Or Flange Base, Add	*140.76*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	257.59	30.31
		For Curb Or Flange Base, Add	*226.41*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	355.05	34.00
		For Curb Or Flange Base, Add	*245.24*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	428.53	36.97
		For Curb Or Flange Base, Add	*266.21*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	547.59	41.40
		For Curb Or Flange Base, Add	*325.99*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	905.09	55.44
		For Curb Or Flange Base, Add	*534.61*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	99.71	20.70
		For Curb Or Flange Base, Add	*119.04*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	124.43	22.92
		For Curb Or Flange Base, Add	*131.09*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	139.27	27.35
		For Curb Or Flange Base, Add	*145.31*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	248.96	30.31
		For Curb Or Flange Base, Add	*249.30*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	321.50	34.00
		For Curb Or Flange Base, Add	*266.35*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	407.02	36.97
		For Curb Or Flange Base, Add	*300.21*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	550.00	41.40
		For Curb Or Flange Base, Add	*362.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	819.55	55.44
		For Curb Or Flange Base, Add	*545.73*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	87.06	20.70
		For Curb Or Flange Base, Add	*115.08*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	114.72	22.92
		For Curb Or Flange Base, Add	*126.49*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	126.15	27.35
		For Curb Or Flange Base, Add	*140.76*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	216.09	30.31
		For Curb Or Flange Base, Add	*226.41*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	250.02	34.00
		For Curb Or Flange Base, Add	*245.24*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	354.30	36.97
		For Curb Or Flange Base, Add	*266.21*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	461.56	41.40
		For Curb Or Flange Base, Add	*325.99*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	669.10	55.44
		For Curb Or Flange Base, Add	*534.61*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	95.81	20.70
		For Curb Or Flange Base, Add	*119.04*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	126.75	22.92
		For Curb Or Flange Base, Add	*131.09*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	141.22	27.35
		For Curb Or Flange Base, Add	*145.31*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	230.61	30.31
		For Curb Or Flange Base, Add	*249.30*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	290.34	34.00
		For Curb Or Flange Base, Add	*266.35*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	356.37	36.97
		For Curb Or Flange Base, Add	*300.21*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	511.07	41.40
		For Curb Or Flange Base, Add	*362.75*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	769.78	55.44
		For Curb Or Flange Base, Add	*545.73*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	194.30	33.27
		For Backdraft Damper, Add	*105.78*	
		For Curb Base, Add	*153.45*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	240.50	36.97
		For Backdraft Damper, Add	*115.73*	
		For Curb Base, Add	*167.81*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	271.43	44.35
		For Backdraft Damper, Add	*158.05*	
		For Curb Base, Add	*213.07*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	332.29	48.79
		For Backdraft Damper, Add	*180.45*	
		For Curb Base, Add	*247.19*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	899.32	66.54
		For Backdraft Damper, Add	*226.49*	
		For Curb Base, Add	*325.19*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,099.41	76.88
		For Backdraft Damper, Add	*267.56*	
		For Curb Base, Add	*389.05*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,502.32	88.71
		For Backdraft Damper, Add	*267.56*	
		For Curb Base, Add	*403.72*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,119.38	96.11
		For Backdraft Damper, Add	*280.00*	
		For Curb Base, Add	*417.87*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,058.78	103.49
		For Backdraft Damper, Add	*311.12*	
		For Curb Base, Add	*470.60*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	363.13	36.97
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	424.61	48.79
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	612.27	66.54
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	956.69	76.88

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	9.22	2.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	34.50	13.37
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	31.83	13.37
07 72 26 00-0005		Galvanized Ridge Vents *(07 72 26)*		
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	10.11	2.30
07 72 29		**Rafter Vent** *(07 72)*		
07 72 29 00-0001		Rafter Vent *(07 72 29)*		
		Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA	22" x 4' Rafter Vent	6.49	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	5.88	
07 72 33		**Roof Hatches** *(07 72)*		
		Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001		Galvanized Steel Cover And Curb *(07 72 33)*		
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	1,081.76	100.45
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20)	1,618.04	111.62
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20)	2,895.55	152.22
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,600.23	111.62
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,807.72	124.03
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,994.01	169.17
07 72 33 00-0008		Aluminum Cover And Curb *(07 72 33)*		
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	1,041.02	100.45
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,368.97	111.62
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,530.75	152.22
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,344.11	111.62
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50)	2,454.63	124.03
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,671.82	169.17
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,520.41	111.62
07 72 33 00-0016		Steel, Plain, Primed *(07 72 33)*		
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	1,033.81	100.45
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,418.87	111.62
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	1,944.38	152.22
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,317.09	111.62
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,625.06	124.03
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	2,208.54	169.17
07 72 33 00-0023		Stainless Steel *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90)	2,283.87	100.45
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	4,423.37	111.62
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	6,662.03	152.22
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90)	3,540.77	111.62
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	7,551.76	124.03
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	8,440.63	169.17
07 72 33 00-0030		Remove And Reinstall Roof Hatch *(07 72 33)*		
		Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	308.98	
07 72 33 00-0032		Aluminum Cover And Galvanized Steel Curb *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	1,005.77	111.62
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	1,333.72	124.03
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	2,439.10	169.10
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40)	1,315.91	115.10
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40)	2,377.08	127.53
07 72 33 00-0038		Security Roof Scuttles *(07 72 33)*		
		Note: Lock not included.		
07 72 33 00-0039	EA	36" x 30" Bilco Security Roof Scuttle (Bilco S-20c)	3,363.46	111.62
07 72 33 00-0040	EA	36" x 30" Bilco Security Roof Scuttle and 8" x 8" View Window (Bilco S-20c)	4,174.40	111.62
		Note: Bilco S-20c.		
07 72 33 00-0041		Roof Hatch Accessories *(07 72 33)*		
07 72 33 00-0042	EA	Roof Hatch Ladderup Safety Post (Bilco LU-1)	687.43	52.32
07 72 33 00-0043		Roof Hatch Safety Railing *(07 72 33)*		
		Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0044	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24)	1,186.23	
07 72 33 00-0045	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36)	1,231.68	
07 72 33 00-0046	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30)	1,262.13	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0047	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36)	1,372.69	
07 72 33 00-0048	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36)	1,500.37	
07 72 33 00-0049	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48)	1,914.34	

07 72 36 Smoke Vents *(07 72)*

07 72 36 00-0001 Smoke Vent *(07 72 36)*

07 72 36 00-0002	EA	48" x 48" Aluminum Smoke Vent	2,025.44	69.76
07 72 36 00-0003	EA	48" x 48" Galvanized Steel Smoke Vent	1,818.30	69.76
07 72 36 00-0004	EA	48" x 96" Aluminum Heat/Smoke Vent	6,020.04	93.13
07 72 36 00-0005	EA	48" x 96" Galvanized Steel Heat/Smoke Vent	5,245.92	93.13
07 72 36 00-0006	EA	60" x 96" Aluminum Heat/Smoke Vent	7,332.22	116.29
07 72 36 00-0007	EA	60" x 96" Galvanized Steel Heat/Smoke Vent	6,541.43	116.29

07 72 36 00-0008 Fire Vent *(07 72 36)*

07 72 36 00-0009 Galvanized Steel Covers And Curb *(07 72 36 00-0008)*

07 72 36 00-0010	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	2,989.11	93.06
07 72 36 00-0011	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	3,425.04	127.94
07 72 36 00-0012	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	3,908.27	139.59
07 72 36 00-0013	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	3,982.67	146.57
07 72 36 00-0014	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	4,648.90	127.94
07 72 36 00-0015	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	4,940.33	139.59
07 72 36 00-0016	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	5,213.50	151.24
07 72 36 00-0017	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	5,943.33	162.89
07 72 36 00-0018	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120)	7,394.70	174.47
07 72 36 00-0019	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666)	4,930.37	151.24
07 72 36 00-0020	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114)	10,462.67	186.12
07 72 36 00-0021	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272)	5,666.85	197.78

07 72 36 00-0022 Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0008)*

07 72 36 00-0023	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,423.69	93.06
07 72 36 00-0024	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,765.06	127.94
07 72 36 00-0025	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	3,113.84	139.59
07 72 36 00-0026	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,223.01	146.57
07 72 36 00-0027	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	3,138.71	127.94
07 72 36 00-0028	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	4,023.28	139.59
07 72 36 00-0029	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,301.56	151.24
07 72 36 00-0030	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	4,177.99	162.89
07 72 36 00-0031	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,901.51	174.47
07 72 36 00-0032	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	4,054.82	151.24
07 72 36 00-0033	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	7,766.03	186.12
07 72 36 00-0034	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,948.32	197.78

07 72 36 00-0035 Aluminum Covers And Curb *(07 72 36 00-0008)*

07 72 36 00-0036	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,649.28	93.06
07 72 36 00-0037	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,138.71	127.94
07 72 36 00-0038	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,445.18	139.59
07 72 36 00-0039	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,646.00	146.57
07 72 36 00-0040	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,307.91	127.94
07 72 36 00-0041	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	4,199.52	139.59
07 72 36 00-0042	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,456.66	151.24
07 72 36 00-0043	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,600.99	162.89
07 72 36 00-0044	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,598.36	174.47
07 72 36 00-0045	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,252.21	151.24
07 72 36 00-0046	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	8,492.17	186.12
07 72 36 00-0047	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,371.31	197.78

07 72 39 Roof Dormers *(07 72)*

07 72 39 13 Roof Dormer Vent *(07 72 39)*

07 72 39 13-0001 Copper Roof Dormer Vent *(07 72 39 13)*

Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.

07 72 39 13-0002 Half Round Copper Roof Dormer Vent *(07 72 39 13-0001)*

07 72 39 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	267.03	42.32
07 72 39 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	334.25	42.32
07 72 39 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	410.50	42.32
07 72 39 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	467.69	42.32
07 72 39 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	535.91	42.32
07 72 39 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	602.13	42.32
07 72 39 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	669.35	42.32
07 72 39 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	736.57	42.32
07 72 39 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	803.79	42.32
07 72 39 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	870.01	42.32
07 72 39 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	937.23	42.32
07 72 39 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,004.45	42.32
07 72 39 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	483.74	42.32
07 72 39 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	550.96	42.32
07 72 39 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	627.21	42.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 39 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	684.40	42.32
07 72 39 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	752.62	42.32
07 72 39 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	818.84	42.32
07 72 39 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	886.06	42.32
07 72 39 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	953.28	42.32
07 72 39 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,020.50	42.32
07 72 39 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,086.72	42.32
07 72 39 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,153.94	42.32
07 72 39 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,221.16	42.32
07 72 39 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	315.37	51.24
07 72 39 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	382.59	51.24
07 72 39 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	458.85	51.24
07 72 39 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	516.03	51.24
07 72 39 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	584.26	51.24
07 72 39 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	650.48	51.24
07 72 39 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	717.70	51.24
07 72 39 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	784.92	51.24
07 72 39 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	852.14	51.24
07 72 39 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	918.36	51.24
07 72 39 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	985.58	51.24
07 72 39 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,052.80	51.24
07 72 39 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	532.09	51.24
07 72 39 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	599.31	51.24
07 72 39 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	675.56	51.24
07 72 39 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	732.75	51.24
07 72 39 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	800.97	51.24
07 72 39 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	867.19	51.24
07 72 39 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	934.41	51.24
07 72 39 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,001.63	51.24
07 72 39 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,068.85	51.24
07 72 39 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,135.07	51.24
07 72 39 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,202.29	51.24
07 72 39 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,269.51	51.24
07 72 39 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	367.06	57.17
07 72 39 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	434.28	57.17
07 72 39 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	510.53	57.17
07 72 39 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	567.72	57.17
07 72 39 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	635.95	57.17
07 72 39 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	702.16	57.17
07 72 39 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	769.38	57.17
07 72 39 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	836.61	57.17
07 72 39 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	903.83	57.17
07 72 39 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	970.04	57.17
07 72 39 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,037.27	57.17
07 72 39 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,104.49	57.17
07 72 39 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	583.77	57.17
07 72 39 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	651.00	57.17
07 72 39 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	727.25	57.17
07 72 39 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	784.43	57.17
07 72 39 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	852.66	57.17
07 72 39 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	918.88	57.17
07 72 39 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	986.10	57.17
07 72 39 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,053.32	57.17
07 72 39 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,120.54	57.17
07 72 39 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,186.76	57.17
07 72 39 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,253.98	57.17
07 72 39 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,321.20	57.17
07 72 39 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	428.38	65.34
07 72 39 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	495.61	65.34
07 72 39 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	571.86	65.34
07 72 39 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	629.04	65.34
07 72 39 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	697.27	65.34
07 72 39 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	763.49	65.34
07 72 39 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	830.71	65.34
07 72 39 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	897.93	65.34
07 72 39 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	965.15	65.34
07 72 39 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,031.37	65.34
07 72 39 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,098.59	65.34
07 72 39 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,165.81	65.34
07 72 39 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	645.10	65.34
07 72 39 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	712.32	65.34
07 72 39 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	788.57	65.34
07 72 39 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	845.76	65.34
07 72 39 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	913.98	65.34
07 72 39 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	980.20	65.34
07 72 39 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,047.42	65.34
07 72 39 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,114.64	65.34
07 72 39 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,181.86	65.34
07 72 39 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,248.08	65.34
07 72 39 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,315.30	65.34
07 72 39 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,382.52	65.34
07 72 39 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	608.52	72.77
07 72 39 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	675.74	72.77
07 72 39 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	751.99	72.77
07 72 39 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	809.18	72.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 39 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	877.40	72.77
07 72 39 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	943.62	72.77
07 72 39 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,010.84	72.77
07 72 39 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,078.06	72.77
07 72 39 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,145.29	72.77
07 72 39 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,211.50	72.77
07 72 39 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,278.72	72.77
07 72 39 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,345.95	72.77
07 72 39 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	825.23	72.77
07 72 39 13-0112	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	892.45	72.77
07 72 39 13-0113	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	968.70	72.77
07 72 39 13-0114	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,025.89	72.77
07 72 39 13-0115	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,094.12	72.77
07 72 39 13-0116	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,160.34	72.77
07 72 39 13-0117	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,227.56	72.77
07 72 39 13-0118	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,294.78	72.77
07 72 39 13-0119	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,362.00	72.77
07 72 39 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,428.22	72.77
07 72 39 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,495.44	72.77
07 72 39 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,562.66	72.77
07 72 39 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	823.48	72.77
07 72 39 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	900.35	78.71
07 72 39 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	976.60	78.71
07 72 39 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,033.79	78.71
07 72 39 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,102.01	78.71
07 72 39 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,168.23	78.71
07 72 39 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,235.45	78.71
07 72 39 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,302.67	78.71
07 72 39 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,369.89	78.71
07 72 39 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,436.11	78.71
07 72 39 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,503.33	78.71
07 72 39 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,570.55	78.71
07 72 39 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,049.84	78.71
07 72 39 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,117.06	78.71
07 72 39 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,193.31	78.71
07 72 39 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,250.50	78.71
07 72 39 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,318.72	78.71
07 72 39 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,384.94	78.71
07 72 39 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,452.16	78.71
07 72 39 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,519.38	78.71
07 72 39 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,586.61	78.71
07 72 39 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,652.82	78.71
07 72 39 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,720.04	78.71
07 72 39 13-0146	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,787.27	78.71

07 72 39 13-0147 Third Round Copper Roof Dormer Vent *(07 72 39 13-0001)*

07 72 39 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	402.31	65.34
07 72 39 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	469.53	65.34
07 72 39 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	545.78	65.34
07 72 39 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	602.97	65.34
07 72 39 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	671.19	65.34
07 72 39 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	737.41	65.34
07 72 39 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	804.63	65.34
07 72 39 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	871.85	65.34
07 72 39 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	939.07	65.34
07 72 39 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,005.29	65.34
07 72 39 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,072.51	65.34
07 72 39 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,139.73	65.34
07 72 39 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	528.72	65.34
07 72 39 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	595.95	65.34
07 72 39 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	672.20	65.34
07 72 39 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	729.38	65.34
07 72 39 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	797.61	65.34
07 72 39 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	863.83	65.34
07 72 39 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	931.05	65.34
07 72 39 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	998.27	65.34
07 72 39 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,065.49	65.34
07 72 39 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,131.71	65.34
07 72 39 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,198.93	65.34
07 72 39 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,266.15	65.34
07 72 39 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	458.19	72.77
07 72 39 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	525.41	72.77
07 72 39 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	601.66	72.77
07 72 39 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	658.85	72.77
07 72 39 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	727.07	72.77
07 72 39 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	793.29	72.77
07 72 39 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	860.51	72.77
07 72 39 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	927.73	72.77
07 72 39 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	994.95	72.77
07 72 39 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,061.17	72.77
07 72 39 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,128.39	72.77
07 72 39 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,195.61	72.77
07 72 39 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	584.60	72.77
07 72 39 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	651.82	72.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 39 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	728.07	72.77
07 72 39 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	785.26	72.77
07 72 39 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	853.49	72.77
07 72 39 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	919.70	72.77
07 72 39 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	986.92	72.77
07 72 39 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,054.15	72.77
07 72 39 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,121.37	72.77
07 72 39 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,187.58	72.77
07 72 39 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,254.81	72.77
07 72 39 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,322.03	72.77
07 72 39 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	585.19	72.77
07 72 39 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	662.06	78.71
07 72 39 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	738.32	78.71
07 72 39 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	795.50	78.71
07 72 39 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	863.73	78.71
07 72 39 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	929.95	78.71
07 72 39 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	997.17	78.71
07 72 39 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,064.39	78.71
07 72 39 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,131.61	78.71
07 72 39 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,197.83	78.71
07 72 39 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,265.05	78.71
07 72 39 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,332.27	78.71
07 72 39 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	721.26	78.71
07 72 39 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	788.48	78.71
07 72 39 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	864.73	78.71
07 72 39 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	921.92	78.71
07 72 39 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	990.14	78.71
07 72 39 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,056.36	78.71
07 72 39 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,123.58	78.71
07 72 39 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,190.80	78.71
07 72 39 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,258.02	78.71
07 72 39 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,324.24	78.71
07 72 39 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,391.46	78.71
07 72 39 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,458.68	78.71

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	7.17	1.69
		For Diamond Surface, Add	*0.64*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	7.99	2.04
		For Diamond Surface, Add	*0.75*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	8.83	2.04
		For Diamond Surface, Add	*0.83*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs *(07 72 53)*

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	14.18	1.73
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	15.52	1.73
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	14.63	1.73
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	8.41	1.73

07 72 53 00-0006 Snow Guards For Metal Roofs *(07 72 53)*

Note: Aluminum construction.

07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	16.59	2.65
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	18.58	2.65
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	27.99	2.65
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	27.56	2.65
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	25.63	3.09
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	28.13	3.09
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	35.48	3.09
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	14.50	2.33
		For Mechanically Fastened, Add	*4.64*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	16.56	2.33
		For Mechanically Fastened, Add	*4.64*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	23.58	2.33
		For Mechanically Fastened, Add	*4.64*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	7.84	2.33
		Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
		For Mechanically Fastened, Add	*6.19*	

07 72 53 00-0018 Pipe Style, Snow Guards For Metal Roofs *(07 72 53)*

07 72 53 00-0019 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps *(07 72 53 00-0018)*

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0020	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	39.12	9.28
07 72 53 00-0021	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	47.04	9.28
07 72 53 00-0022	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	53.36	9.28
07 72 53 00-0023	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	66.96	9.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0024	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	68.61	11.14
07 72 53 00-0025		**Tubing For Snow Guard Clamps** *(07 72 53 00-0018)*		
07 72 53 00-0026	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	8.02	2.23
07 72 53 00-0027	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	16.42	2.23
07 72 56		**Snow/Ice Melt** *(07 72)*		
07 72 56 00-0001		**Self Regulating Heating Cable For Roofs And Gutters** *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	9.93	0.80
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	10.67	0.80
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	162.55	60.08
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	123.78	44.06
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	6.09	2.40
		For >5, Deduct	*-0.48*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	5.70	2.40
		For >5, Deduct	*-0.44*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	39.14	6.00
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	627.69	48.06
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	860.30	60.08
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		**Rooftop Oil And Grease Containment System** *(07 72 63)*		
07 72 63 00-0002		**Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)** *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	1,790.56	137.89
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	2,001.39	137.89
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	2,455.49	143.40
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	2,443.43	143.40
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	3,191.94	155.12
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	2,489.96	155.12
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	2,774.98	183.80
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	4,087.86	229.79
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	5,076.06	229.79
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	6,431.82	229.79
07 72 63 00-0013		**Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)** *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	2,203.25	137.89
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	2,477.43	137.89
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	3,061.06	143.40
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	3,115.31	143.40
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	4,448.28	155.12
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	4,879.12	155.12
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	4,534.45	183.80
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	5,106.19	229.79
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	6,392.65	229.79
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	8,155.14	229.79
07 72 63 00-0024		**Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		**Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63 00-0024)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	147.65	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	207.92	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	298.29	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	275.07	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	516.09	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	522.11	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	402.47	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	522.98	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	767.02	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,011.06	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	308.63	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	411.07	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	597.87	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	556.55	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,071.74	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,077.76	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	798.44	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,078.64	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,581.77	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	2,106.01	
07 72 63 00-0049		Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	383.96	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	477.36	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	700.30	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	662.00	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,291.67	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,285.65	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	937.04	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,298.57	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	1,822.80	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	2,536.84	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001		Roof Protection Board *(07 73)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 73 00 00-0002		Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied	2.35	0.34
		For No Adhesive, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied	2.65	0.38
		For No Adhesive, Deduct	*-0.53*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied	2.79	0.41
		For No Adhesive, Deduct	*-0.54*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied	2.38	0.34
		For No Adhesive, Deduct	*-0.52*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied	2.70	0.38
		For No Adhesive, Deduct	*-0.53*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied	2.84	0.41
		For No Adhesive, Deduct	*-0.54*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped	2.27	0.34
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped	2.59	0.38
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped	2.74	0.41
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped	2.30	0.34
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped	2.64	0.38
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped	2.79	0.41

07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	2.20	0.34
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	2.50	0.38
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.66*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	2.65	0.41
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	2.24	0.34
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	2.55	0.38
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.66*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	2.70	0.41
		For Mechanically Fastened To Concrete, Add	*0.92*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*0.59*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.16*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	9.93	4.40
		For 1-1/2" Thickness, Deduct	*-0.99*	
		For 2-1/2" Thickness, Add	*1.19*	
		For 3" Thickness, Add	*2.39*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	8.54	3.32
		For 1-1/2" Thickness, Deduct	*-0.85*	
		For 2-1/2" Thickness, Add	*1.04*	
		For 3" Thickness, Add	*2.09*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	7.37	2.64
		For 1-1/2" Thickness, Deduct	*-0.74*	
		For 2-1/2" Thickness, Add	*0.92*	
		For 3" Thickness, Add	*1.83*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	6.64	2.30
		For 1-1/2" Thickness, Deduct	*-0.66*	
		For 2-1/2" Thickness, Add	*0.83*	
		For 3" Thickness, Add	*1.67*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	6.13	2.10
		For 1-1/2" Thickness, Deduct	*-0.61*	
		For 2-1/2" Thickness, Add	*0.77*	
		For 3" Thickness, Add	*1.54*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	14.84	0.69
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	15.52	0.69
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	16.22	0.69
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	8.27	0.69
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	7.31	0.69
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	7.49	0.69
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	4.23	0.69
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	5.59	0.69

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.50	
		For 20 Year Warranty, Deduct	*-0.21*	
		For 15 Year Warranty, Deduct	*-0.42*	
		For 10 Year Warranty, Deduct	*-0.57*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	4.56	
		For 20 Year Warranty, Deduct	*-0.30*	
		For 15 Year Warranty, Deduct	*-0.59*	
		For 10 Year Warranty, Deduct	*-0.80*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.36	
		For 20 Year Warranty, Deduct	*-0.34*	
		For 15 Year Warranty, Deduct	*-0.69*	
		For 10 Year Warranty, Deduct	*-0.93*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	6.48	
		For 20 Year Warranty, Deduct	*-0.43*	
		For 15 Year Warranty, Deduct	*-0.87*	
		For 10 Year Warranty, Deduct	*-1.17*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire And Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	1.63	0.51
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	2.21	0.76
07 81 16 00-0004		Gunite Fireproofing *(07 81 16)*		
07 81 16 00-0005	SF	Fireproofing, Gunite, Non Reinforced, 1" Thick	2.77	0.45
07 81 16 00-0006	SF	Fireproofing, Gunite, Reinforced, 1" Thick	4.08	0.45
07 81 23		**Intumescent Fireproofing** *(07 81)*		
07 81 23 00-0001		Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*		
07 81 23 00-0002		Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	10.12	
		For >10,000, Deduct	*-0.97*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	16.23	
		For >10,000, Deduct	*-1.58*	
07 81 23 00-0005		Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	6.60	
		For >10,000, Deduct	*-0.61*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	14.55	
		For >10,000, Deduct	*-1.40*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	32.86	
		For >10,000, Deduct	*-3.23*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	45.21	
		For >10,000, Deduct	*-4.46*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	57.57	
		For >10,000, Deduct	*-5.70*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	69.95	
		For >10,000, Deduct	*-6.93*	
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	13.26	
		For >10,000, Deduct	*-1.28*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	24.59	
		For >10,000, Deduct	*-2.41*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	39.01	
		For >10,000, Deduct	*-3.85*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	54.45	
		For >10,000, Deduct	*-5.39*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	68.86	
		For >10,000, Deduct	*-6.83*	
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)* Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	6.44	
		For >10,000, Deduct	*-0.61*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	14.64	
		For >10,000, Deduct	*-1.43*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	33.48	
		For >10,000, Deduct	*-3.31*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	46.19	
		For >10,000, Deduct	*-4.58*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	58.92	
		For >10,000, Deduct	*-5.85*	
07 81 33		**Mineral-Fiber Fireproofing** *(07 81)*		
07 81 33 00-0001		Cellulose Fireproofing *(07 81 33)*		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	1.89	0.45

07 84 Firestopping *(07 80)*

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0001		Firestopping Systems For Cable Penetrations *(07 84 13 16)*		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)* Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	52.51	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	73.27	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	123.78	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)* Note: Includes putty and mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	102.94	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	185.36	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	345.26	
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	233.04	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	214.69	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	221.66	
07 84 13 16-0014		Intumescent Firestopping Pipe Collar *(07 84 13 16)*		
07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	31.25	7.64
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	38.93	7.64
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	45.68	8.41
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	74.38	9.56
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	393.78	11.47
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	510.50	12.61
07 84 13 16-0021		Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)* Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	105.10	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	111.15	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	215.39	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	137.77	
07 84 13 16-0026		Intumescent Firestopping Wrap Strips *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	5.74	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	15.44	
		For Intumescent Sealant For Plastic Pipe, Add	*0.06*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	19.20	
		For Intumescent Sealant For Plastic Pipe, Add	*0.35*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	18.98	
		For Intumescent Sealant For Plastic Pipe, Add	*0.26*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	18.61	
		For Intumescent Sealant For Plastic Pipe, Add	*0.11*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	22.49	
		For Intumescent Sealant For Plastic Pipe, Add	*0.74*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	22.27	
		For Intumescent Sealant For Plastic Pipe, Add	*0.66*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	21.91	
		For Intumescent Sealant For Plastic Pipe, Add	*0.51*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	21.34	
		For Intumescent Sealant For Plastic Pipe, Add	*0.28*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	20.85	
		For Intumescent Sealant For Plastic Pipe, Add	*0.09*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.57	
		For Intumescent Sealant For Plastic Pipe, Add	*1.25*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.35	
		For Intumescent Sealant For Plastic Pipe, Add	*1.16*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	26.98	
		For Intumescent Sealant For Plastic Pipe, Add	*1.02*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	26.41	
		For Intumescent Sealant For Plastic Pipe, Add	*0.79*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.93	
		For Intumescent Sealant For Plastic Pipe, Add	*0.60*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	24.78	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.98	
		For Intumescent Sealant For Plastic Pipe, Add	*3.37*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.02	
		For Intumescent Sealant For Plastic Pipe, Add	*1.79*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.65	
		For Intumescent Sealant For Plastic Pipe, Add	*1.64*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.08	
		For Intumescent Sealant For Plastic Pipe, Add	*1.41*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.60	
		For Intumescent Sealant For Plastic Pipe, Add	*1.22*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.45	
		For Intumescent Sealant For Plastic Pipe, Add	*0.76*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.96	
		For Intumescent Sealant For Plastic Pipe, Add	*0.16*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	53.75	
		For Intumescent Sealant For Plastic Pipe, Add	*6.22*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	53.35	
		For Intumescent Sealant For Plastic Pipe, Add	*6.06*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	52.69	
		For Intumescent Sealant For Plastic Pipe, Add	*5.80*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	51.67	
		For Intumescent Sealant For Plastic Pipe, Add	*5.39*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	50.80	
		For Intumescent Sealant For Plastic Pipe, Add	*5.04*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	44.04	
		For Intumescent Sealant For Plastic Pipe, Add	*2.34*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	42.56	
		For Intumescent Sealant For Plastic Pipe, Add	*1.75*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.31	
		For Intumescent Sealant For Plastic Pipe, Add	*0.85*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	89.37	
		For Intumescent Sealant For Plastic Pipe, Add	*14.36*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	88.97	
		For Intumescent Sealant For Plastic Pipe, Add	*14.20*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	88.32	
		For Intumescent Sealant For Plastic Pipe, Add	*13.94*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	87.29	
		For Intumescent Sealant For Plastic Pipe, Add	*13.53*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	86.42	
		For Intumescent Sealant For Plastic Pipe, Add	*13.18*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	84.36	
		For Intumescent Sealant For Plastic Pipe, Add	*12.36*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	81.69	
		For Intumescent Sealant For Plastic Pipe, Add	*11.29*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	77.63	
		For Intumescent Sealant For Plastic Pipe, Add	*9.66*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.38	
		For Intumescent Sealant For Plastic Pipe, Add	*3.56*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	121.63	
		For Intumescent Sealant For Plastic Pipe, Add	*22.68*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	117.57	
		For Intumescent Sealant For Plastic Pipe, Add	*21.06*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	109.44	
		For Intumescent Sealant For Plastic Pipe, Add	*17.80*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	76.26	
		For Intumescent Sealant For Plastic Pipe, Add	*4.53*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	157.53	
		For Intumescent Sealant For Plastic Pipe, Add	*32.46*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	133.40	
		For Intumescent Sealant For Plastic Pipe, Add	*22.80*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	90.82	
		For Intumescent Sealant For Plastic Pipe, Add	*5.77*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	18.63
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	18.54
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	18.43
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	21.25
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	21.17
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	21.05
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	20.88
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	20.71
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.52
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.32	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	25.14	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	24.99	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	24.59	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.15	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.07	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	31.95	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	31.77	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	31.61	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	31.22	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.67	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	41.16	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	41.08	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.96	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.77	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.58	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.19	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.69	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.90	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	60.31	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	60.23	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	60.11	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	59.94	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	59.78	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	59.39	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.84	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.10	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.50	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	75.74	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	75.00	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.39	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	68.85	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	91.87	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	87.32	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	81.30	

07 84 16 Annular Space Protection *(07 84)*

07 84 16 00-0001 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0002	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	287.94	
07 84 16 00-0003	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	416.27	
07 84 16 00-0004	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	572.32	

07 84 16 00-0005 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0007 for filling openings.

07 84 16 00-0006	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	41.37	

07 84 16 00-0007 Firestopping Caulk For Filling Opening *(07 84 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0008	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	163.68	

07 84 16 00-0009 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0010	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	154.26	

07 84 16 00-0011 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0012	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	33.27	
07 84 16 00-0013	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	35.78	
07 84 16 00-0014	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	38.87	

07 84 16 00-0015 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0016 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0015)*

07 84 16 00-0017	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	27.48	
07 84 16 00-0018	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	41.21	
07 84 16 00-0019	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	42.73	
07 84 16 00-0020	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	44.26	
07 84 16 00-0021	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	45.79	
07 84 16 00-0022	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	59.52	

07 84 16 00-0023 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0015)*

07 84 16 00-0024	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	10.58	
07 84 16 00-0025	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	11.10	
07 84 16 00-0026	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	10.15	
07 84 16 00-0027	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	11.14	
07 84 16 00-0028	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	10.75	
07 84 16 00-0029	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	10.21	

07 84 23 Silicone Firestopping Foams *(07 84)*

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings *(07 84 23)*

Note: Standard 7" foam depth.

07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	33.90	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	87.03	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	161.10	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	254.35	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	370.66	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	506.26	

07 84 43 Joint Firestopping *(07 84)*

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	330.83	122.21
		For Up To 6 CLF, Add	*18.70*	
		For >30 CLF, Deduct	*-20.86*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	389.28	129.86
		For Up To 4 CLF, Add	*22.70*	
		For >20 CLF, Deduct	*-25.94*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	432.48	129.86
		For Up To 3 CLF, Add	*25.94*	
		For >15 CLF, Deduct	*-30.26*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	454.08	129.86
		For Up To 2.5 CLF, Add	*27.56*	
		For >13 CLF, Deduct	*-32.42*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	518.88	129.86
		For Up To 2 CLF, Add	*32.42*	
		For >10 CLF, Deduct	*-38.90*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	599.01	137.50
		For Up To 1.5 CLF, Add	*38.05*	
		For >8 CLF, Deduct	*-46.15*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	679.02	145.13
		For Up To 1.3 CLF, Add	*43.67*	
		For >7 CLF, Deduct	*-53.39*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	620.61	137.50
		For Up To 1.4 CLF, Add	*39.67*	
		For >7.5 CLF, Deduct	*-48.31*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	661.15	76.39
		For Up To 1.15 CLF, Add	*43.86*	
		For >6 CLF, Deduct	*-54.66*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	839.24	160.42
		For Up To 1 CLF, Add	*54.92*	
		For >5 CLF, Deduct	*-67.88*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	940.89	168.04
		For Up To 0.8 CLF, Add	*62.16*	
		For >4.5 CLF, Deduct	*-77.28*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,149.58	229.14
		For Up To 0.75 CLF, Add	*74.76*	
		For >4 CLF, Deduct	*-92.04*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,266.49	244.45
		For Up To 0.65 CLF, Add	*82.76*	
		For >3.5 CLF, Deduct	*-102.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,311.78	91.66
		For Up To 0.5 CLF, Add	*91.51*	
		For >2.5 CLF, Deduct	*-117.43*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*155.52*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,886.51	252.07
		For Up To 0.4 CLF, Add	*128.89*	
		For >2 CLF, Deduct	*-163.44*	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	304.65	68.75
		For Up To 6 CLF, Add	*17.69*	
		For >30 CLF, Deduct	*-20.15*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	353.86	68.75
		For Up To 4 CLF, Add	*21.38*	
		For >20 CLF, Deduct	*-25.07*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	410.70	71.04
		For Up To 3 CLF, Add	*25.46*	
		For >15 CLF, Deduct	*-30.38*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	435.31	71.04
		For Up To 2.5 CLF, Add	*27.30*	
		For >13 CLF, Deduct	*-32.84*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	509.12	71.04
		For Up To 2 CLF, Add	*32.84*	
		For >10 CLF, Deduct	*-40.22*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	582.92	71.04
		For Up To 1.5 CLF, Add	*38.37*	
		For >8 CLF, Deduct	*-47.60*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	664.37	74.10
		For Up To 1.3 CLF, Add	*44.29*	
		For >7 CLF, Deduct	*-55.36*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	615.17	74.10
		For Up To 1.4 CLF, Add	*40.60*	
		For >7.5 CLF, Deduct	*-50.44*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	721.22	76.39
		For Up To 1.15 CLF, Add	*48.36*	
		For >6 CLF, Deduct	*-60.66*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	819.63	76.39
		For Up To 1 CLF, Add	*55.74*	
		For >5 CLF, Deduct	*-70.51*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	925.68	78.68
		For Up To 0.8 CLF, Add	*63.51*	
		For >4.5 CLF, Deduct	*-80.73*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,031.73	81.74
		For Up To 0.75 CLF, Add	*71.27*	
		For >4 CLF, Deduct	*-90.95*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,137.78	84.03
		For Up To 0.65 CLF, Add	*79.03*	
		For >3.5 CLF, Deduct	*-101.17*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,455.93	91.66
		For Up To 0.5 CLF, Add	*102.32*	
		For >2.5 CLF, Deduct	*-131.84*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,880.14	101.60
		For Up To 0.4 CLF, Add	*133.37*	
		For >2 CLF, Deduct	*-172.74*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	257.14	68.75
		For Up To 6 CLF, Add	*14.13*	
		For >30 CLF, Deduct	*-15.40*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	282.59	68.75
		For Up To 4 CLF, Add	*16.04*	
		For >20 CLF, Deduct	*-17.95*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	315.69	71.04
		For Up To 3 CLF, Add	*18.33*	
		For >15 CLF, Deduct	*-20.88*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	328.41	71.04
		For Up To 2.5 CLF, Add	*19.28*	
		For >13 CLF, Deduct	*-22.15*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	366.59	71.04
		For Up To 2 CLF, Add	*22.15*	
		For >10 CLF, Deduct	*-25.97*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	404.76	71.04
		For Up To 1.5 CLF, Add	*25.01*	
		For >8 CLF, Deduct	*-29.78*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	450.58	74.10
		For Up To 1.3 CLF, Add	*28.26*	
		For >7 CLF, Deduct	*-33.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	425.13	74.10
		For Up To 1.4 CLF, Add	*26.35*	
		For >7.5 CLF, Deduct	*-31.44*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	483.67	76.39
		For Up To 1.15 CLF, Add	*30.55*	
		For >6 CLF, Deduct	*-36.91*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	534.58	76.39
		For Up To 1 CLF, Add	*34.36*	
		For >5 CLF, Deduct	*-42.00*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	593.12	78.68
		For Up To 0.8 CLF, Add	*38.56*	
		For >4.5 CLF, Deduct	*-47.47*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	651.66	81.74
		For Up To 0.75 CLF, Add	*42.76*	
		For >4 CLF, Deduct	*-52.94*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	710.19	84.03
		For Up To 0.65 CLF, Add	*46.96*	
		For >3.5 CLF, Deduct	*-58.42*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	885.82	91.66
		For Up To 0.5 CLF, Add	*59.56*	
		For >2.5 CLF, Deduct	*-74.83*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,119.99	101.60
		For Up To 0.4 CLF, Add	*76.36*	
		For >2 CLF, Deduct	*-96.72*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	8.41	
		For Work In Restricted Working Space, Add	*0.89*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	14.30	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*0.89*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	15.71	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*0.89*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	13.44	7.20
		For Work In Restricted Working Space, Add	*2.90*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	16.58	7.20
		For Work In Restricted Working Space, Add	*2.90*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	20.03	7.20
		For Work In Restricted Working Space, Add	*2.90*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	23.47	7.20
		For Work In Restricted Working Space, Add	*2.90*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.14	0.34
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.23	0.34
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.34	0.34
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	1.46	0.34
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	1.52	0.41
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	1.63	0.41
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	1.87	0.41
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	2.13	0.48
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	2.42	0.55
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	3.02	0.62
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	5.23	0.75

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	1.59	0.41
		For Custom Match Coloring, Add	*0.03*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	4.80	1.18
		For Custom Match Coloring, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	5.83	1.25
		For Custom Match Coloring, Add	*0.18*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	6.37	1.31
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	8.58	2.41

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	275.53	79.56
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	445.22	114.93
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	354.17	98.52
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	410.37	103.41
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	626.04	159.11
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	718.53	172.36
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	657.40	125.34

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	285.00	98.52
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	502.04	159.11
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	378.37	135.82
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	470.34	143.40
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	714.95	219.92
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	850.03	238.68
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,146.79	286.11

07 91 26 00-0023 Silicon RTV Foam Penetration Seal *(07 91 26)*

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	126.82	15.78
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	253.63	31.51
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	378.70	46.81
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	544.45	63.09
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	126.82	15.78
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	378.42	46.68
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	679.21	70.12
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,357.22	139.74
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,619.46	252.26
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	3,979.90	394.07
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	5,667.41	630.54

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" *(07 91 26)*

07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	2.94	0.89
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	3.12	0.89
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	3.29	0.96
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	3.47	1.03
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	3.72	1.11
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	3.90	1.11
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	4.12	1.18
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	4.26	1.18

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	55.75	4.84
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	74.49	5.07
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	94.25	5.29
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	116.24	5.53
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	150.70	5.76
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	173.06	5.99
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	200.79	6.22

07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed neoprene joint seal and lubricant adhesive.

07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	28.66	4.84
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	31.26	4.91
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	37.72	4.98
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	40.03	5.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	42.75	5.14
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	52.35	5.20
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	64.51	5.29
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	76.26	5.53
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	86.31	5.76

07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	24.04	4.84
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	31.17	5.07
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	38.17	5.29
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	40.31	5.42
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	44.68	5.53
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	63.97	5.76
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	87.83	5.99

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	20.56	1.92
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	34.44	1.99
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	51.82	2.07
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	65.33	2.15
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	85.95	2.23
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	113.68	2.31
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	139.43	2.38
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	188.01	2.46
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	219.48	2.53

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	20.06	1.92
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	26.45	1.99
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	35.48	2.07
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	48.11	2.15
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	54.87	2.23
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	76.11	2.31
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	102.24	2.38
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	110.38	2.46

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001 Silicone Sealants And Caulking *(07 92 13)*

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	239.36	68.75
		For Custom Match Coloring, Add	*7.95*	
		For Up To 6 CLF, Add	*12.80*	
		For >30 CLF, Deduct	*-13.62*	
		For 1 Part Mildew Resistant, Add	*11.59*	
		For High-Modulus Non-Acid Curing, Add	*6.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	255.92	68.75
		For Custom Match Coloring, Add	*11.92*	
		For Up To 4 CLF, Add	*14.04*	
		For >20 CLF, Deduct	*-15.28*	
		For 1 Part Mildew Resistant, Add	*17.39*	
		For High-Modulus Non-Acid Curing, Add	*9.94*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	280.12	71.04
		For Custom Match Coloring, Add	*15.90*	
		For Up To 3 CLF, Add	*15.66*	
		For >15 CLF, Deduct	*-17.32*	
		For 1 Part Mildew Resistant, Add	*23.18*	
		For High-Modulus Non-Acid Curing, Add	*13.25*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	288.40	71.04
		For Custom Match Coloring, Add	*17.88*	
		For Up To 2.5 CLF, Add	*16.28*	
		For >13 CLF, Deduct	*-18.15*	
		For 1 Part Mildew Resistant, Add	*26.08*	
		For High-Modulus Non-Acid Curing, Add	*14.90*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	313.24	71.04
		For Custom Match Coloring, Add	*23.85*	
		For Up To 2 CLF, Add	*18.15*	
		For >10 CLF, Deduct	*-20.63*	
		For 1 Part Mildew Resistant, Add	*34.78*	
		For High-Modulus Non-Acid Curing, Add	*19.87*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	338.08	71.04
		For Custom Match Coloring, Add	*29.81*	
		For Up To 1.5 CLF, Add	*20.01*	
		For >8 CLF, Deduct	*-23.11*	
		For 1 Part Mildew Resistant, Add	*43.47*	
		For High-Modulus Non-Acid Curing, Add	*24.84*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	370.56	74.10
		For Custom Match Coloring, Add	*35.77*	
		For Up To 1.3 CLF, Add	*22.25*	
		For >7 CLF, Deduct	*-25.98*	
		For 1 Part Mildew Resistant, Add	*52.16*	
		For High-Modulus Non-Acid Curing, Add	*29.81*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	354.00	74.10
		For Custom Match Coloring, Add	*31.80*	
		For Up To 1.4 CLF, Add	*21.01*	
		For >7.5 CLF, Deduct	*-24.32*	
		For 1 Part Mildew Resistant, Add	*46.37*	
		For High-Modulus Non-Acid Curing, Add	*26.50*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	394.76	76.39
		For Custom Match Coloring, Add	*39.74*	
		For Up To 1.15 CLF, Add	*23.88*	
		For >6 CLF, Deduct	*-28.02*	
		For 1 Part Mildew Resistant, Add	*57.96*	
		For High-Modulus Non-Acid Curing, Add	*33.12*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	427.88	76.39
		For Custom Match Coloring, Add	*47.69*	
		For Up To 1 CLF, Add	*26.36*	
		For >5 CLF, Deduct	*-31.33*	
		For 1 Part Mildew Resistant, Add	*69.55*	
		For High-Modulus Non-Acid Curing, Add	*39.74*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	468.63	78.68
		For Custom Match Coloring, Add	*55.64*	
		For Up To 0.8 CLF, Add	*29.23*	
		For >4.5 CLF, Deduct	*-35.02*	
		For 1 Part Mildew Resistant, Add	*81.14*	
		For High-Modulus Non-Acid Curing, Add	*46.37*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	509.39	81.74
		For Custom Match Coloring, Add	*63.59*	
		For Up To 0.75 CLF, Add	*32.09*	
		For >4 CLF, Deduct	*-38.72*	
		For 1 Part Mildew Resistant, Add	*92.73*	
		For High-Modulus Non-Acid Curing, Add	*52.99*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	550.14	84.03
		For Custom Match Coloring, Add	*71.54*	
		For Up To 0.65 CLF, Add	*34.96*	
		For >3.5 CLF, Deduct	*-42.41*	
		For 1 Part Mildew Resistant, Add	*104.32*	
		For High-Modulus Non-Acid Curing, Add	*59.61*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	672.42	91.66
		For Custom Match Coloring, Add	*95.38*	
		For Up To 0.5 CLF, Add	*43.56*	
		For >2.5 CLF, Deduct	*-53.49*	
		For 1 Part Mildew Resistant, Add	*139.10*	
		For High-Modulus Non-Acid Curing, Add	*79.49*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	835.46	101.60
		For Custom Match Coloring, Add	*127.18*	
		For Up To 0.4 CLF, Add	*55.02*	
		For >2 CLF, Deduct	*-68.27*	
		For 1 Part Mildew Resistant, Add	*185.47*	
		For High-Modulus Non-Acid Curing, Add	*105.98*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	217.86	68.75
		For Up To 6 CLF, Add	*11.18*	
		For >30 CLF, Deduct	*-11.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	223.67	68.75
		For Up To 4 CLF, Add	*11.62*	
		For >20 CLF, Deduct	*-12.06*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	237.12	71.04
		For Up To 3 CLF, Add	*12.44*	
		For >15 CLF, Deduct	*-13.02*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	240.02	71.04
		For Up To 2.5 CLF, Add	*12.65*	
		For >13 CLF, Deduct	*-13.31*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	248.74	71.04
		For Up To 2 CLF, Add	*13.31*	
		For >10 CLF, Deduct	*-14.18*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	257.45	71.04
		For Up To 1.5 CLF, Add	*13.96*	
		For >8 CLF, Deduct	*-15.05*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	273.81	74.10
		For Up To 1.3 CLF, Add	*15.00*	
		For >7 CLF, Deduct	*-16.31*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	268.00	74.10
		For Up To 1.4 CLF, Add	*14.56*	
		For >7.5 CLF, Deduct	*-15.72*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	287.26	76.39
		For Up To 1.15 CLF, Add	*15.82*	
		For >6 CLF, Deduct	*-17.27*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	298.88	76.39
		For Up To 1 CLF, Add	*16.69*	
		For >5 CLF, Deduct	*-18.43*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	318.14	78.68
		For Up To 0.8 CLF, Add	*17.94*	
		For >4.5 CLF, Deduct	*-19.97*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	337.39	81.74
		For Up To 0.75 CLF, Add	*19.19*	
		For >4 CLF, Deduct	*-21.52*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	356.64	84.03
		For Up To 0.65 CLF, Add	*20.45*	
		For >3.5 CLF, Deduct	*-23.06*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	414.42	91.66
		For Up To 0.5 CLF, Add	*24.21*	
		For >2.5 CLF, Deduct	*-27.69*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	491.46	101.60
		For Up To 0.4 CLF, Add	*29.22*	
		For >2 CLF, Deduct	*-33.87*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	231.64	68.75
		For Up To 6 CLF, Add	*12.22*	
		For >30 CLF, Deduct	*-12.85*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	244.34	68.75
		For Up To 4 CLF, Add	*13.17*	
		For >20 CLF, Deduct	*-14.12*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	264.68	71.04
		For Up To 3 CLF, Add	*14.50*	
		For >15 CLF, Deduct	*-15.77*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	271.03	71.04
		For Up To 2.5 CLF, Add	*14.98*	
		For >13 CLF, Deduct	*-16.41*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	290.08	71.04
		For Up To 2 CLF, Add	*16.41*	
		For >10 CLF, Deduct	*-18.31*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	309.13	71.04
		For Up To 1.5 CLF, Add	*17.84*	
		For >8 CLF, Deduct	*-20.22*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	335.83	74.10
		For Up To 1.3 CLF, Add	*19.65*	
		For >7 CLF, Deduct	*-22.51*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	323.13	74.10
		For Up To 1.4 CLF, Add	*18.70*	
		For >7.5 CLF, Deduct	*-21.24*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	356.17	76.39
		For Up To 1.15 CLF, Add	*20.98*	
		For >6 CLF, Deduct	*-24.16*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	381.57	76.39
		For Up To 1 CLF, Add	*22.89*	
		For >5 CLF, Deduct	*-26.70*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	414.61	78.68
		For Up To 0.8 CLF, Add	*25.18*	
		For >4.5 CLF, Deduct	*-29.62*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	447.65	81.74
		For Up To 0.75 CLF, Add	*27.46*	
		For >4 CLF, Deduct	*-32.54*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	480.68	84.03
		For Up To 0.65 CLF, Add	*29.75*	
		For >3.5 CLF, Deduct	*-35.46*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	579.81	91.66
		For Up To 0.5 CLF, Add	*36.61*	
		For >2.5 CLF, Deduct	*-44.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0048		**Flexible Polysulfide Sealant And Caulking, Clear** *(07 92 13)* Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	234.05	68.75
		For Up To 6 CLF, Add	*12.40*	
		For >30 CLF, Deduct	*-13.09*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	247.97	68.75
		For Up To 4 CLF, Add	*13.44*	
		For >20 CLF, Deduct	*-14.49*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	269.52	71.04
		For Up To 3 CLF, Add	*14.87*	
		For >15 CLF, Deduct	*-16.26*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	276.47	71.04
		For Up To 2.5 CLF, Add	*15.39*	
		For >13 CLF, Deduct	*-16.95*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	297.34	71.04
		For Up To 2 CLF, Add	*16.95*	
		For >10 CLF, Deduct	*-19.04*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	318.20	71.04
		For Up To 1.5 CLF, Add	*18.52*	
		For >8 CLF, Deduct	*-21.13*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	346.70	74.10
		For Up To 1.3 CLF, Add	*20.46*	
		For >7 CLF, Deduct	*-23.59*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	332.79	74.10
		For Up To 1.4 CLF, Add	*19.42*	
		For >7.5 CLF, Deduct	*-22.20*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	368.26	76.39
		For Up To 1.15 CLF, Add	*21.89*	
		For >6 CLF, Deduct	*-25.37*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	396.07	76.39
		For Up To 1 CLF, Add	*23.98*	
		For >5 CLF, Deduct	*-28.15*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	431.53	78.68
		For Up To 0.8 CLF, Add	*26.44*	
		For >4.5 CLF, Deduct	*-31.31*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	466.98	81.74
		For Up To 0.75 CLF, Add	*28.91*	
		For >4 CLF, Deduct	*-34.48*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	502.44	84.03
		For Up To 0.65 CLF, Add	*31.38*	
		For >3.5 CLF, Deduct	*-37.64*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	608.81	91.66
		For Up To 0.5 CLF, Add	*38.79*	
		For >2.5 CLF, Deduct	*-47.13*	
07 92 13 00-0063		**Flexible Polyurethane Security Sealant And Caulking** *(07 92 13)* Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	239.95	68.75
		For Up To 6 CLF, Add	*12.84*	
		For >30 CLF, Deduct	*-13.68*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	256.81	68.75
		For Up To 4 CLF, Add	*14.10*	
		For >20 CLF, Deduct	*-15.37*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	281.31	71.04
		For Up To 3 CLF, Add	*15.75*	
		For >15 CLF, Deduct	*-17.44*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	289.73	71.04
		For Up To 2.5 CLF, Add	*16.38*	
		For >13 CLF, Deduct	*-18.28*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	315.02	71.04
		For Up To 2 CLF, Add	*18.28*	
		For >10 CLF, Deduct	*-20.81*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	340.30	71.04
		For Up To 1.5 CLF, Add	*20.18*	
		For >8 CLF, Deduct	*-23.34*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	373.23	74.10
		For Up To 1.3 CLF, Add	*22.45*	
		For >7 CLF, Deduct	*-26.25*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	356.37	74.10
		For Up To 1.4 CLF, Add	*21.19*	
		For >7.5 CLF, Deduct	*-24.56*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	397.72	76.39
		For Up To 1.15 CLF, Add	*24.10*	
		For >6 CLF, Deduct	*-28.31*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	431.44	76.39
		For Up To 1 CLF, Add	*26.63*	
		For >5 CLF, Deduct	*-31.69*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	472.79	78.68
		For Up To 0.8 CLF, Add	*29.54*	
		For >4.5 CLF, Deduct	*-35.44*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	514.14	81.74
		For Up To 0.75 CLF, Add	*32.45*	
		For >4 CLF, Deduct	*-39.19*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	555.49	84.03
		For Up To 0.65 CLF, Add	*35.36*	
		For >3.5 CLF, Deduct	*-42.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	679.55	91.66
		For Up To 0.5 CLF, Add	*44.09*	
		For >2.5 CLF, Deduct	*-54.21*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	52.17	4.74
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, Bronze Expansion Joint Cover	58.15	4.74
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	70.10	4.74

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	67.86	4.74
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	70.60	4.74
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	94.75	4.74

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	36.49	4.74
07 95 13 13-0013	LF	Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	45.71	4.74
07 95 13 13-0014	LF	Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	57.78	4.74

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	45.90	4.74
07 95 13 13-0017	LF	Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	51.92	4.74
07 95 13 13-0018	LF	Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	70.10	4.74

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	64.39	3.16
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	77.59	3.16
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	86.68	3.16

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies	48.06	3.16
07 95 13 16-0008	LF	Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies	64.22	3.16

07 95 13 16-0009 Flat Wall To Wall *(07 95 13 16-0001)*

07 95 13 16-0010	LF	Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	35.79	3.16
07 95 13 16-0011	LF	Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	45.49	3.16
07 95 13 16-0012	LF	Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	57.19	3.16

07 95 13 16-0013 Corner To Flat Wall *(07 95 13 16-0001)*

07 95 13 16-0014	LF	Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	33.76	3.16
07 95 13 16-0015	LF	Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	40.23	3.16
07 95 13 16-0016	LF	Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	58.39	3.16

END OF SECTION 07

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation And Maintenance Of Openings *(08)*

08 01 50 Operation And Maintenance Of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002 EA Removal And Replacement Of Window Balance, Removable Sash Window 18.39
Note: Channel, spiral or coil balance.

08 01 52 61-0003 EA Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing 56.60
Note: Channel, spiral or coil balance.

For Replacing Two Balances In One Window, Deduct *-21.09*

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 00-0001 Glazing Compound Repair *(08 01 81)*

08 01 81 00-0002 LF Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing 3.53

08 05 Common Work Results For Openings *(08)*

08 05 13 Door Options And Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002 EA For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 84.15
For 9/16" To 1-1/16" Glazing Pocket, Add *42.08*

08 05 13 00-0003 EA For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 106.52
For 9/16" To 1-1/16" Glazing Pocket, Add *53.26*

08 05 13 00-0004 EA For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 123.57
For 9/16" To 1-1/16" Glazing Pocket, Add *61.79*

08 05 13 00-0005 EA For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 157.66
For 9/16" To 1-1/16" Glazing Pocket, Add *78.83*

08 05 13 00-0006 EA For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 204.53
For 9/16" To 1-1/16" Glazing Pocket, Add *102.27*

08 05 13 00-0007 EA For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 260.98
For 9/16" To 1-1/16" Glazing Pocket, Add *130.49*

08 05 13 00-0008 EA For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 276.96
For 9/16" To 1-1/16" Glazing Pocket, Add *138.48*

08 05 13 00-0009 EA For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 152.92
For 9/16" To 1-1/16" Glazing Pocket, Add *38.25*

08 05 13 00-0010 EA For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 180.91
For 9/16" To 1-1/16" Glazing Pocket, Add *48.42*

08 05 13 00-0011 EA For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 204.03
For 9/16" To 1-1/16" Glazing Pocket, Add *56.17*

08 05 13 00-0012 EA For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 242.66
For 9/16" To 1-1/16" Glazing Pocket, Add *71.66*

08 05 13 00-0013 EA For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 292.92
For 9/16" To 1-1/16" Glazing Pocket, Add *92.97*

08 05 13 00-0014 EA For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 351.89
For 9/16" To 1-1/16" Glazing Pocket, Add *118.63*

08 05 13 00-0015 EA For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add 374.05
For 9/16" To 1-1/16" Glazing Pocket, Add *125.89*

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*
Note: Factory primed or powder coated.

08 05 13 00-0017 EA For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add 80.10

08 05 13 00-0018 EA For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add 90.99

08 05 13 00-0019 EA For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add 123.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	230.61	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	285.17	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	340.61	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	444.45	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	523.17	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*62.78*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	137.41	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	154.04	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	192.44	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	305.12	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	365.41	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	426.58	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	536.15	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	618.70	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*62.78*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	162.18	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	185.58	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	217.98	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	230.96	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	262.00	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	300.51	

08 05 13 00-0040 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	57.29	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	141.31	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	64.93	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	114.58	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	19.09	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	210.09	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	133.68	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	141.31	
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware	64.93	

08 05 13 00-0050 Door Modifications *(08 05 13)*

08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	121.79	
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	22.12	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	68.78	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	34.56	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	835.94	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door	64.95	
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame	127.37	
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame	76.81	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	49.92	

08 10 Doors And Frames *(08)*

08 11 Metal Doors And Frames *(08 10)*

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door *(08 11 73)*

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,616.47	395.17
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,912.44	395.17
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,412.86	395.17
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,951.55	395.17

08 12 Metal Frames *(08 10)*

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	274.05	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.91*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*19.13*	
		For Baked Enamel Finish, Add	*65.02*	
		For 18 Gauge Frame, Deduct	*-15.94*	
		For 14 Gauge Frame, Add	*39.86*	
		For 12 Gauge Frame, Add	*60.58*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	315.87	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.47*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*22.77*	
		For Baked Enamel Finish, Add	*75.85*	
		For 18 Gauge Frame, Deduct	*-18.98*	
		For 14 Gauge Frame, Add	*47.45*	
		For 12 Gauge Frame, Add	*72.12*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	326.55	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.92*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*23.14*	
		For Baked Enamel Finish, Add	*77.91*	
		For 18 Gauge Frame, Deduct	*-19.28*	
		For 14 Gauge Frame, Add	*48.21*	
		For 12 Gauge Frame, Add	*73.27*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	338.01	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.92*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*23.14*	
		For Baked Enamel Finish, Add	*79.62*	
		For 18 Gauge Frame, Deduct	*-19.28*	
		For 14 Gauge Frame, Add	*48.21*	
		For 12 Gauge Frame, Add	*73.27*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	344.88	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.38*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*23.50*	
		For Baked Enamel Finish, Add	*81.11*	
		For 18 Gauge Frame, Deduct	*-19.59*	
		For 14 Gauge Frame, Add	*48.97*	
		For 12 Gauge Frame, Add	*74.43*	
		For Type 304 Stainless Steel Frame, Add	*360.00*	
		For Type 316 Stainless Steel Frame, Add	*418.76*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	351.72	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.83*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*23.87*	
		For Baked Enamel Finish, Add	*82.59*	
		For 18 Gauge Frame, Deduct	*-19.89*	
		For 14 Gauge Frame, Add	*49.72*	
		For 12 Gauge Frame, Add	*75.58*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	373.04	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.88*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.51*	
		For Baked Enamel Finish, Add	*87.84*	
		For 18 Gauge Frame, Deduct	*-21.26*	
		For 14 Gauge Frame, Add	*53.14*	
		For 12 Gauge Frame, Add	*80.77*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	380.68	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.88*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.51*	
		For Baked Enamel Finish, Add	*88.99*	
		For 18 Gauge Frame, Deduct	*-21.26*	
		For 14 Gauge Frame, Add	*53.14*	
		For 12 Gauge Frame, Add	*80.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	395.91	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.02*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*26.42*	
		For Baked Enamel Finish, Add	*92.41*	
		For 18 Gauge Frame, Deduct	*-22.02*	
		For 14 Gauge Frame, Add	*55.04*	
		For 12 Gauge Frame, Add	*83.66*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	411.15	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.16*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*27.33*	
		For Baked Enamel Finish, Add	*95.83*	
		For 18 Gauge Frame, Deduct	*-22.77*	
		For 14 Gauge Frame, Add	*56.94*	
		For 12 Gauge Frame, Add	*86.54*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	418.79	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.16*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*27.33*	
		For Baked Enamel Finish, Add	*96.98*	
		For 18 Gauge Frame, Deduct	*-22.77*	
		For 14 Gauge Frame, Add	*56.94*	
		For 12 Gauge Frame, Add	*86.54*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	426.41	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.73*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*27.78*	
		For Baked Enamel Finish, Add	*98.69*	
		For 18 Gauge Frame, Deduct	*-23.15*	
		For 14 Gauge Frame, Add	*57.89*	
		For 12 Gauge Frame, Add	*87.99*	
		For Type 304 Stainless Steel Frame, Add	*426.52*	
		For Type 316 Stainless Steel Frame, Add	*495.98*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	434.01	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.30*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.24*	
		For Baked Enamel Finish, Add	*100.40*	
		For 18 Gauge Frame, Deduct	*-23.53*	
		For 14 Gauge Frame, Add	*58.83*	
		For 12 Gauge Frame, Add	*89.43*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	453.02	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.58*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.06*	
		For Baked Enamel Finish, Add	*105.53*	
		For 18 Gauge Frame, Deduct	*-25.05*	
		For 14 Gauge Frame, Add	*62.63*	
		For 12 Gauge Frame, Add	*95.19*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	472.03	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.86*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*31.88*	
		For Baked Enamel Finish, Add	*110.66*	
		For 18 Gauge Frame, Deduct	*-26.57*	
		For 14 Gauge Frame, Add	*66.43*	
		For 12 Gauge Frame, Add	*100.97*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	291.76	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.57*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*21.26*	
		For Baked Enamel Finish, Add	*70.33*	
		For 18 Gauge Frame, Deduct	*-17.71*	
		For 14 Gauge Frame, Add	*44.28*	
		For 12 Gauge Frame, Add	*67.31*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	336.96	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.63*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.30*	
		For Baked Enamel Finish, Add	*82.17*	
		For 18 Gauge Frame, Deduct	*-21.09*	
		For 14 Gauge Frame, Add	*52.72*	
		For 12 Gauge Frame, Add	*80.13*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	347.97	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.14*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.71*	
		For Baked Enamel Finish, Add	*84.33*	
		For 18 Gauge Frame, Deduct	*-21.42*	
		For 14 Gauge Frame, Add	*53.56*	
		For 12 Gauge Frame, Add	*81.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	359.43	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.14*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.71*	
		For Baked Enamel Finish, Add	*86.05*	
		For 18 Gauge Frame, Deduct	*-21.42*	
		For 14 Gauge Frame, Add	*53.56*	
		For 12 Gauge Frame, Add	*81.41*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	366.64	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.64*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*26.11*	
		For Baked Enamel Finish, Add	*87.64*	
		For 18 Gauge Frame, Deduct	*-21.76*	
		For 14 Gauge Frame, Add	*54.41*	
		For 12 Gauge Frame, Add	*82.70*	
		For Type 304 Stainless Steel Frame, Add	*399.17*	
		For Type 316 Stainless Steel Frame, Add	*464.45*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	373.82	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.15*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*26.52*	
		For Baked Enamel Finish, Add	*89.22*	
		For 18 Gauge Frame, Deduct	*-22.10*	
		For 14 Gauge Frame, Add	*55.25*	
		For 12 Gauge Frame, Add	*83.98*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	396.65	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.43*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.34*	
		For Baked Enamel Finish, Add	*94.92*	
		For 18 Gauge Frame, Deduct	*-23.62*	
		For 14 Gauge Frame, Add	*59.04*	
		For 12 Gauge Frame, Add	*89.74*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	404.29	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.43*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.34*	
		For Baked Enamel Finish, Add	*96.07*	
		For 18 Gauge Frame, Deduct	*-23.62*	
		For 14 Gauge Frame, Add	*59.04*	
		For 12 Gauge Frame, Add	*89.74*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	420.37	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.69*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*29.35*	
		For Baked Enamel Finish, Add	*99.75*	
		For 18 Gauge Frame, Deduct	*-24.46*	
		For 14 Gauge Frame, Add	*61.15*	
		For 12 Gauge Frame, Add	*92.95*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	436.45	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.96*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.36*	
		For Baked Enamel Finish, Add	*103.42*	
		For 18 Gauge Frame, Deduct	*-25.30*	
		For 14 Gauge Frame, Add	*63.26*	
		For 12 Gauge Frame, Add	*96.16*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	444.09	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.96*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.36*	
		For Baked Enamel Finish, Add	*104.57*	
		For 18 Gauge Frame, Deduct	*-25.30*	
		For 14 Gauge Frame, Add	*63.26*	
		For 12 Gauge Frame, Add	*96.16*	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	452.13	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.59*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.87*	
		For Baked Enamel Finish, Add	*106.41*	
		For 18 Gauge Frame, Deduct	*-25.73*	
		For 14 Gauge Frame, Add	*64.32*	
		For 12 Gauge Frame, Add	*97.76*	
		For Type 304 Stainless Steel Frame, Add	*472.81*	
		For Type 316 Stainless Steel Frame, Add	*549.99*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	460.16	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.22*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*31.38*	
		For Baked Enamel Finish, Add	*108.25*	
		For 18 Gauge Frame, Deduct	*-26.15*	
		For 14 Gauge Frame, Add	*65.37*	
		For 12 Gauge Frame, Add	*99.36*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	480.86	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*41.75*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*33.40*	
		For Baked Enamel Finish, Add	*113.88*	
		For 18 Gauge Frame, Deduct	*-27.84*	
		For 14 Gauge Frame, Add	*69.59*	
		For 12 Gauge Frame, Add	*105.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	501.55	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.28*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*35.43*	
		For Baked Enamel Finish, Add	*119.52*	
		For 18 Gauge Frame, Deduct	*-29.52*	
		For 14 Gauge Frame, Add	*73.81*	
		For 12 Gauge Frame, Add	*112.18*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	291.76	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.57*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*21.26*	
		For Baked Enamel Finish, Add	*70.33*	
		For 18 Gauge Frame, Deduct	*-17.71*	
		For 14 Gauge Frame, Add	*44.28*	
		For 12 Gauge Frame, Add	*67.31*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	336.96	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.63*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.30*	
		For Baked Enamel Finish, Add	*82.17*	
		For 18 Gauge Frame, Deduct	*-21.09*	
		For 14 Gauge Frame, Add	*52.72*	
		For 12 Gauge Frame, Add	*80.13*	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	347.97	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.14*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.71*	
		For Baked Enamel Finish, Add	*84.33*	
		For 18 Gauge Frame, Deduct	*-21.42*	
		For 14 Gauge Frame, Add	*53.56*	
		For 12 Gauge Frame, Add	*81.41*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	359.43	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.14*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*25.71*	
		For Baked Enamel Finish, Add	*86.05*	
		For 18 Gauge Frame, Deduct	*-21.42*	
		For 14 Gauge Frame, Add	*53.56*	
		For 12 Gauge Frame, Add	*81.41*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	366.64	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.64*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*26.11*	
		For Baked Enamel Finish, Add	*87.64*	
		For 18 Gauge Frame, Deduct	*-21.76*	
		For 14 Gauge Frame, Add	*54.41*	
		For 12 Gauge Frame, Add	*82.70*	
		For Type 304 Stainless Steel Frame, Add	*399.17*	
		For Type 316 Stainless Steel Frame, Add	*464.45*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	373.82	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.15*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*26.52*	
		For Baked Enamel Finish, Add	*89.22*	
		For 18 Gauge Frame, Deduct	*-22.10*	
		For 14 Gauge Frame, Add	*55.25*	
		For 12 Gauge Frame, Add	*83.98*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	396.65	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.43*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.34*	
		For Baked Enamel Finish, Add	*94.92*	
		For 18 Gauge Frame, Deduct	*-23.62*	
		For 14 Gauge Frame, Add	*59.04*	
		For 12 Gauge Frame, Add	*89.74*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	404.29	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.43*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.34*	
		For Baked Enamel Finish, Add	*96.07*	
		For 18 Gauge Frame, Deduct	*-23.62*	
		For 14 Gauge Frame, Add	*59.04*	
		For 12 Gauge Frame, Add	*89.74*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	420.37	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.69*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*29.35*	
		For Baked Enamel Finish, Add	*99.75*	
		For 18 Gauge Frame, Deduct	*-24.46*	
		For 14 Gauge Frame, Add	*61.15*	
		For 12 Gauge Frame, Add	*92.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	436.45	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.96*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.36*	
		For Baked Enamel Finish, Add	*103.42*	
		For 18 Gauge Frame, Deduct	*-25.30*	
		For 14 Gauge Frame, Add	*63.26*	
		For 12 Gauge Frame, Add	*96.16*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	444.09	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.96*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.36*	
		For Baked Enamel Finish, Add	*104.57*	
		For 18 Gauge Frame, Deduct	*-25.30*	
		For 14 Gauge Frame, Add	*63.26*	
		For 12 Gauge Frame, Add	*96.16*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	452.13	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.59*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*30.87*	
		For Baked Enamel Finish, Add	*106.41*	
		For 18 Gauge Frame, Deduct	*-25.73*	
		For 14 Gauge Frame, Add	*64.32*	
		For 12 Gauge Frame, Add	*97.76*	
		For Type 304 Stainless Steel Frame, Add	*472.81*	
		For Type 316 Stainless Steel Frame, Add	*549.99*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	460.16	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.22*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*31.38*	
		For Baked Enamel Finish, Add	*108.25*	
		For 18 Gauge Frame, Deduct	*-26.15*	
		For 14 Gauge Frame, Add	*65.37*	
		For 12 Gauge Frame, Add	*99.36*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	480.86	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*41.75*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*33.40*	
		For Baked Enamel Finish, Add	*113.88*	
		For 18 Gauge Frame, Deduct	*-27.84*	
		For 14 Gauge Frame, Add	*69.59*	
		For 12 Gauge Frame, Add	*105.77*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	501.55	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.28*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*35.43*	
		For Baked Enamel Finish, Add	*119.52*	
		For 18 Gauge Frame, Deduct	*-29.52*	
		For 14 Gauge Frame, Add	*73.81*	
		For 12 Gauge Frame, Add	*112.18*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	311.44	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.52*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*23.62*	
		For Baked Enamel Finish, Add	*76.24*	
		For 18 Gauge Frame, Deduct	*-19.68*	
		For 14 Gauge Frame, Add	*49.20*	
		For 12 Gauge Frame, Add	*74.79*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	360.39	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.15*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.12*	
		For Baked Enamel Finish, Add	*89.20*	
		For 18 Gauge Frame, Deduct	*-23.43*	
		For 14 Gauge Frame, Add	*58.58*	
		For 12 Gauge Frame, Add	*89.03*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	371.78	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.71*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.57*	
		For Baked Enamel Finish, Add	*91.47*	
		For 18 Gauge Frame, Deduct	*-23.81*	
		For 14 Gauge Frame, Add	*59.51*	
		For 12 Gauge Frame, Add	*90.46*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	383.24	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.71*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*28.57*	
		For Baked Enamel Finish, Add	*93.19*	
		For 18 Gauge Frame, Deduct	*-23.81*	
		For 14 Gauge Frame, Add	*59.51*	
		For 12 Gauge Frame, Add	*90.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	390.82	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.27*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*29.02*	
		For Baked Enamel Finish, Add	*94.89*	
		For 18 Gauge Frame, Deduct	*-24.18*	
		For 14 Gauge Frame, Add	*60.45*	
		For 12 Gauge Frame, Add	*91.88*	
		For Type 304 Stainless Steel Frame, Add	*442.69*	
		For Type 316 Stainless Steel Frame, Add	*515.23*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	398.38	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.83*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*29.47*	
		For Baked Enamel Finish, Add	*96.59*	
		For 18 Gauge Frame, Deduct	*-24.56*	
		For 14 Gauge Frame, Add	*61.39*	
		For 12 Gauge Frame, Add	*93.31*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	422.90	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.36*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*31.49*	
		For Baked Enamel Finish, Add	*102.80*	
		For 18 Gauge Frame, Deduct	*-26.24*	
		For 14 Gauge Frame, Add	*65.61*	
		For 12 Gauge Frame, Add	*99.72*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	430.54	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.36*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*31.49*	
		For Baked Enamel Finish, Add	*103.94*	
		For 18 Gauge Frame, Deduct	*-26.24*	
		For 14 Gauge Frame, Add	*65.61*	
		For 12 Gauge Frame, Add	*99.72*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	447.55	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*32.61*	
		For Baked Enamel Finish, Add	*107.90*	
		For 18 Gauge Frame, Deduct	*-27.18*	
		For 14 Gauge Frame, Add	*67.95*	
		For 12 Gauge Frame, Add	*103.28*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	464.57	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.17*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*33.74*	
		For Baked Enamel Finish, Add	*111.86*	
		For 18 Gauge Frame, Deduct	*-28.12*	
		For 14 Gauge Frame, Add	*70.29*	
		For 12 Gauge Frame, Add	*106.84*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	472.21	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.17*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*33.74*	
		For Baked Enamel Finish, Add	*113.01*	
		For 18 Gauge Frame, Deduct	*-28.12*	
		For 14 Gauge Frame, Add	*70.29*	
		For 12 Gauge Frame, Add	*106.84*	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	480.72	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.88*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*34.30*	
		For Baked Enamel Finish, Add	*114.99*	
		For 18 Gauge Frame, Deduct	*-28.59*	
		For 14 Gauge Frame, Add	*71.46*	
		For 12 Gauge Frame, Add	*108.62*	
		For Type 304 Stainless Steel Frame, Add	*524.27*	
		For Type 316 Stainless Steel Frame, Add	*610.03*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	489.21	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*43.58*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*34.86*	
		For Baked Enamel Finish, Add	*116.96*	
		For 18 Gauge Frame, Deduct	*-29.05*	
		For 14 Gauge Frame, Add	*72.63*	
		For 12 Gauge Frame, Add	*110.40*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	511.79	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*46.39*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*37.11*	
		For Baked Enamel Finish, Add	*123.16*	
		For 18 Gauge Frame, Deduct	*-30.93*	
		For 14 Gauge Frame, Add	*77.32*	
		For 12 Gauge Frame, Add	*117.53*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	534.35	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*49.20*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*39.36*	
		For Baked Enamel Finish, Add	*129.36*	
		For 18 Gauge Frame, Deduct	*-32.80*	
		For 14 Gauge Frame, Add	*82.01*	
		For 12 Gauge Frame, Add	*124.65*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0067		6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)* Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068		6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*		
08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	395.05	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.06*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*33.65*	
		For Baked Enamel Finish, Add	*101.32*	
		For 18 Gauge Frame, Deduct	*-28.04*	
		For 14 Gauge Frame, Add	*70.11*	
		For 12 Gauge Frame, Add	*106.56*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	459.92	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.07*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*40.06*	
		For Baked Enamel Finish, Add	*119.06*	
		For 18 Gauge Frame, Deduct	*-33.38*	
		For 14 Gauge Frame, Add	*83.46*	
		For 12 Gauge Frame, Add	*126.86*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	472.90	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.88*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*40.70*	
		For Baked Enamel Finish, Add	*121.81*	
		For 18 Gauge Frame, Deduct	*-33.92*	
		For 14 Gauge Frame, Add	*84.79*	
		For 12 Gauge Frame, Add	*128.88*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	484.36	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.88*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*40.70*	
		For Baked Enamel Finish, Add	*123.53*	
		For 18 Gauge Frame, Deduct	*-33.92*	
		For 14 Gauge Frame, Add	*84.79*	
		For 12 Gauge Frame, Add	*128.88*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	493.53	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*51.68*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*41.34*	
		For Baked Enamel Finish, Add	*125.71*	
		For 18 Gauge Frame, Deduct	*-34.45*	
		For 14 Gauge Frame, Add	*86.13*	
		For 12 Gauge Frame, Add	*130.91*	
		For Type 304 Stainless Steel Frame, Add	*627.57*	
		For Type 316 Stainless Steel Frame, Add	*730.92*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	502.68	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.48*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*41.98*	
		For Baked Enamel Finish, Add	*127.88*	
		For 18 Gauge Frame, Deduct	*-34.99*	
		For 14 Gauge Frame, Add	*87.46*	
		For 12 Gauge Frame, Add	*132.94*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	534.37	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.08*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*44.87*	
		For Baked Enamel Finish, Add	*136.24*	
		For 18 Gauge Frame, Deduct	*-37.39*	
		For 14 Gauge Frame, Add	*93.47*	
		For 12 Gauge Frame, Add	*142.08*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	542.01	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.08*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*44.87*	
		For Baked Enamel Finish, Add	*137.39*	
		For 18 Gauge Frame, Deduct	*-37.39*	
		For 14 Gauge Frame, Add	*93.47*	
		For 12 Gauge Frame, Add	*142.08*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	563.00	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*58.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*46.47*	
		For Baked Enamel Finish, Add	*142.54*	
		For 18 Gauge Frame, Deduct	*-38.72*	
		For 14 Gauge Frame, Add	*96.81*	
		For 12 Gauge Frame, Add	*147.15*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	584.01	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.07*	
		For Baked Enamel Finish, Add	*147.69*	
		For 18 Gauge Frame, Deduct	*-40.06*	
		For 14 Gauge Frame, Add	*100.15*	
		For 12 Gauge Frame, Add	*152.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	591.65	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.07*	
		For Baked Enamel Finish, Add	*148.84*	
		For 18 Gauge Frame, Deduct	*-40.06*	
		For 14 Gauge Frame, Add	*100.15*	
		For 12 Gauge Frame, Add	*152.23*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	602.14	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*61.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.87*	
		For Baked Enamel Finish, Add	*151.41*	
		For 18 Gauge Frame, Deduct	*-40.73*	
		For 14 Gauge Frame, Add	*101.82*	
		For 12 Gauge Frame, Add	*154.76*	
		For Type 304 Stainless Steel Frame, Add	*742.83*	
		For Type 316 Stainless Steel Frame, Add	*865.01*	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	612.63	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*49.67*	
		For Baked Enamel Finish, Add	*153.99*	
		For 18 Gauge Frame, Deduct	*-41.40*	
		For 14 Gauge Frame, Add	*103.49*	
		For 12 Gauge Frame, Add	*157.30*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	643.16	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.10*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*52.88*	
		For Baked Enamel Finish, Add	*162.57*	
		For 18 Gauge Frame, Deduct	*-44.07*	
		For 14 Gauge Frame, Add	*110.16*	
		For 12 Gauge Frame, Add	*167.45*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	673.69	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*70.10*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*56.08*	
		For Baked Enamel Finish, Add	*171.16*	
		For 18 Gauge Frame, Deduct	*-46.74*	
		For 14 Gauge Frame, Add	*116.84*	
		For 12 Gauge Frame, Add	*177.60*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	426.20	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*46.74*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*37.39*	
		For Baked Enamel Finish, Add	*110.67*	
		For 18 Gauge Frame, Deduct	*-31.16*	
		For 14 Gauge Frame, Add	*77.89*	
		For 12 Gauge Frame, Add	*118.40*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	497.01	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*55.64*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*44.51*	
		For Baked Enamel Finish, Add	*130.19*	
		For 18 Gauge Frame, Deduct	*-37.09*	
		For 14 Gauge Frame, Add	*92.73*	
		For 12 Gauge Frame, Add	*140.95*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	510.59	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.53*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.22*	
		For Baked Enamel Finish, Add	*133.12*	
		For 18 Gauge Frame, Deduct	*-37.69*	
		For 14 Gauge Frame, Add	*94.22*	
		For 12 Gauge Frame, Add	*143.21*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	522.05	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.53*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.22*	
		For Baked Enamel Finish, Add	*134.84*	
		For 18 Gauge Frame, Deduct	*-37.69*	
		For 14 Gauge Frame, Add	*94.22*	
		For 12 Gauge Frame, Add	*143.21*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	531.81	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*57.42*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.93*	
		For Baked Enamel Finish, Add	*137.19*	
		For 18 Gauge Frame, Deduct	*-38.28*	
		For 14 Gauge Frame, Add	*95.70*	
		For 12 Gauge Frame, Add	*145.46*	
		For Type 304 Stainless Steel Frame, Add	*696.47*	
		For Type 316 Stainless Steel Frame, Add	*811.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	541.56	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*58.31*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*46.65*	
		For Baked Enamel Finish, Add	*139.54*	
		For 18 Gauge Frame, Deduct	*-38.87*	
		For 14 Gauge Frame, Add	*97.18*	
		For 12 Gauge Frame, Add	*147.72*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	575.91	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.31*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*49.85*	
		For Baked Enamel Finish, Add	*148.70*	
		For 18 Gauge Frame, Deduct	*-41.54*	
		For 14 Gauge Frame, Add	*103.86*	
		For 12 Gauge Frame, Add	*157.86*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	583.55	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.31*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*49.85*	
		For Baked Enamel Finish, Add	*149.85*	
		For 18 Gauge Frame, Deduct	*-41.54*	
		For 14 Gauge Frame, Add	*103.86*	
		For 12 Gauge Frame, Add	*157.86*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	606.03	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*64.54*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*51.63*	
		For Baked Enamel Finish, Add	*155.45*	
		For 18 Gauge Frame, Deduct	*-43.03*	
		For 14 Gauge Frame, Add	*107.57*	
		For 12 Gauge Frame, Add	*163.50*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	628.52	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*53.41*	
		For Baked Enamel Finish, Add	*161.04*	
		For 18 Gauge Frame, Deduct	*-44.51*	
		For 14 Gauge Frame, Add	*111.28*	
		For 12 Gauge Frame, Add	*169.14*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	636.16	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*53.41*	
		For Baked Enamel Finish, Add	*162.19*	
		For 18 Gauge Frame, Deduct	*-44.51*	
		For 14 Gauge Frame, Add	*111.28*	
		For 12 Gauge Frame, Add	*169.14*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	647.40	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*67.88*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*54.30*	
		For Baked Enamel Finish, Add	*164.99*	
		For 18 Gauge Frame, Deduct	*-45.25*	
		For 14 Gauge Frame, Add	*113.13*	
		For 12 Gauge Frame, Add	*171.96*	
		For Type 304 Stainless Steel Frame, Add	*824.30*	
		For Type 316 Stainless Steel Frame, Add	*960.06*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	658.62	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*68.99*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*55.19*	
		For Baked Enamel Finish, Add	*167.78*	
		For 18 Gauge Frame, Deduct	*-45.99*	
		For 14 Gauge Frame, Add	*114.99*	
		For 12 Gauge Frame, Add	*174.78*	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	692.12	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*73.44*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*58.75*	
		For Baked Enamel Finish, Add	*177.26*	
		For 18 Gauge Frame, Deduct	*-48.96*	
		For 14 Gauge Frame, Add	*122.40*	
		For 12 Gauge Frame, Add	*186.05*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	725.62	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*77.89*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*62.31*	
		For Baked Enamel Finish, Add	*186.74*	
		For 18 Gauge Frame, Deduct	*-51.93*	
		For 14 Gauge Frame, Add	*129.82*	
		For 12 Gauge Frame, Add	*197.33*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	416.08	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*45.22*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*36.17*	
		For Baked Enamel Finish, Add	*107.63*	
		For 18 Gauge Frame, Deduct	*-30.15*	
		For 14 Gauge Frame, Add	*75.36*	
		For 12 Gauge Frame, Add	*114.55*	
		For Type 304 Stainless Steel Frame, Add	*548.34*	
		For Type 316 Stainless Steel Frame, Add	*638.78*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	484.96	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*53.83*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*43.06*	
		For Baked Enamel Finish, Add	*126.57*	
		For 18 Gauge Frame, Deduct	*-35.89*	
		For 14 Gauge Frame, Add	*89.72*	
		For 12 Gauge Frame, Add	*136.37*	
		For Type 304 Stainless Steel Frame, Add	*652.27*	
		For Type 316 Stainless Steel Frame, Add	*759.93*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	498.34	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*54.69*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*43.75*	
		For Baked Enamel Finish, Add	*129.44*	
		For 18 Gauge Frame, Deduct	*-36.46*	
		For 14 Gauge Frame, Add	*91.15*	
		For 12 Gauge Frame, Add	*138.55*	
		For Type 304 Stainless Steel Frame, Add	*662.98*	
		For Type 316 Stainless Steel Frame, Add	*772.37*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	509.80	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*54.69*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*43.75*	
		For Baked Enamel Finish, Add	*131.16*	
		For 18 Gauge Frame, Deduct	*-36.46*	
		For 14 Gauge Frame, Add	*91.15*	
		For 12 Gauge Frame, Add	*138.55*	
		For Type 304 Stainless Steel Frame, Add	*663.56*	
		For Type 316 Stainless Steel Frame, Add	*772.94*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	519.37	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*55.55*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*44.44*	
		For Baked Enamel Finish, Add	*133.46*	
		For 18 Gauge Frame, Deduct	*-37.04*	
		For 14 Gauge Frame, Add	*92.59*	
		For 12 Gauge Frame, Add	*140.73*	
		For Type 304 Stainless Steel Frame, Add	*674.08*	
		For Type 316 Stainless Steel Frame, Add	*785.19*	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	528.92	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.41*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.13*	
		For Baked Enamel Finish, Add	*135.75*	
		For 18 Gauge Frame, Deduct	*-37.61*	
		For 14 Gauge Frame, Add	*94.02*	
		For 12 Gauge Frame, Add	*142.91*	
		For Type 304 Stainless Steel Frame, Add	*684.60*	
		For Type 316 Stainless Steel Frame, Add	*797.43*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	562.41	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.29*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.23*	
		For Baked Enamel Finish, Add	*144.65*	
		For 18 Gauge Frame, Deduct	*-40.19*	
		For 14 Gauge Frame, Add	*100.48*	
		For 12 Gauge Frame, Add	*152.73*	
		For Type 304 Stainless Steel Frame, Add	*731.50*	
		For Type 316 Stainless Steel Frame, Add	*852.08*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	570.05	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.29*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.23*	
		For Baked Enamel Finish, Add	*145.80*	
		For 18 Gauge Frame, Deduct	*-40.19*	
		For 14 Gauge Frame, Add	*100.48*	
		For 12 Gauge Frame, Add	*152.73*	
		For Type 304 Stainless Steel Frame, Add	*731.88*	
		For Type 316 Stainless Steel Frame, Add	*852.46*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	592.05	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.44*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*49.95*	
		For Baked Enamel Finish, Add	*151.25*	
		For 18 Gauge Frame, Deduct	*-41.63*	
		For 14 Gauge Frame, Add	*104.07*	
		For 12 Gauge Frame, Add	*158.19*	
		For Type 304 Stainless Steel Frame, Add	*758.11*	
		For Type 316 Stainless Steel Frame, Add	*883.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	614.05	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*64.60*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*51.68*	
		For Baked Enamel Finish, Add	*156.70*	
		For 18 Gauge Frame, Deduct	*-43.06*	
		For 14 Gauge Frame, Add	*107.66*	
		For 12 Gauge Frame, Add	*163.64*	
		For Type 304 Stainless Steel Frame, Add	*784.32*	
		For Type 316 Stainless Steel Frame, Add	*913.51*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	621.69	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*64.60*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*51.68*	
		For Baked Enamel Finish, Add	*157.85*	
		For 18 Gauge Frame, Deduct	*-43.06*	
		For 14 Gauge Frame, Add	*107.66*	
		For 12 Gauge Frame, Add	*163.64*	
		For Type 304 Stainless Steel Frame, Add	*784.70*	
		For Type 316 Stainless Steel Frame, Add	*913.90*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	632.69	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*65.67*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*52.54*	
		For Baked Enamel Finish, Add	*160.58*	
		For 18 Gauge Frame, Deduct	*-43.78*	
		For 14 Gauge Frame, Add	*109.46*	
		For 12 Gauge Frame, Add	*166.37*	
		For Type 304 Stainless Steel Frame, Add	*797.82*	
		For Type 316 Stainless Steel Frame, Add	*929.17*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	643.68	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.75*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*53.40*	
		For Baked Enamel Finish, Add	*163.30*	
		For 18 Gauge Frame, Deduct	*-44.50*	
		For 14 Gauge Frame, Add	*111.25*	
		For 12 Gauge Frame, Add	*169.10*	
		For Type 304 Stainless Steel Frame, Add	*810.93*	
		For Type 316 Stainless Steel Frame, Add	*944.43*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	676.21	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*71.06*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*56.84*	
		For Baked Enamel Finish, Add	*172.49*	
		For 18 Gauge Frame, Deduct	*-47.37*	
		For 14 Gauge Frame, Add	*118.43*	
		For 12 Gauge Frame, Add	*180.01*	
		For Type 304 Stainless Steel Frame, Add	*862.79*	
		For Type 316 Stainless Steel Frame, Add	*1,004.90*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	708.75	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*75.36*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*60.29*	
		For Baked Enamel Finish, Add	*181.68*	
		For 18 Gauge Frame, Deduct	*-50.24*	
		For 14 Gauge Frame, Add	*125.61*	
		For 12 Gauge Frame, Add	*190.92*	
		For Type 304 Stainless Steel Frame, Add	*914.67*	
		For Type 316 Stainless Steel Frame, Add	*1,065.40*	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	449.57	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*50.24*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*40.19*	
		For Baked Enamel Finish, Add	*117.68*	
		For 18 Gauge Frame, Deduct	*-33.49*	
		For 14 Gauge Frame, Add	*83.74*	
		For 12 Gauge Frame, Add	*127.28*	
		For Type 304 Stainless Steel Frame, Add	*608.62*	
		For Type 316 Stainless Steel Frame, Add	*709.11*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	524.83	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*59.81*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*47.85*	
		For Baked Enamel Finish, Add	*138.54*	
		For 18 Gauge Frame, Deduct	*-39.87*	
		For 14 Gauge Frame, Add	*99.69*	
		For 12 Gauge Frame, Add	*151.52*	
		For Type 304 Stainless Steel Frame, Add	*724.04*	
		For Type 316 Stainless Steel Frame, Add	*843.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.85	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.61*	
		For Baked Enamel Finish, Add	*141.60*	
		For 18 Gauge Frame, Deduct	*-40.51*	
		For 14 Gauge Frame, Add	*101.28*	
		For 12 Gauge Frame, Add	*153.95*	
		For Type 304 Stainless Steel Frame, Add	*735.90*	
		For Type 316 Stainless Steel Frame, Add	*857.44*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	550.31	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*60.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*48.61*	
		For Baked Enamel Finish, Add	*143.31*	
		For 18 Gauge Frame, Deduct	*-40.51*	
		For 14 Gauge Frame, Add	*101.28*	
		For 12 Gauge Frame, Add	*153.95*	
		For Type 304 Stainless Steel Frame, Add	*736.48*	
		For Type 316 Stainless Steel Frame, Add	*858.01*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	560.52	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*61.73*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*49.38*	
		For Baked Enamel Finish, Add	*145.80*	
		For 18 Gauge Frame, Deduct	*-41.15*	
		For 14 Gauge Frame, Add	*102.88*	
		For 12 Gauge Frame, Add	*156.37*	
		For Type 304 Stainless Steel Frame, Add	*748.15*	
		For Type 316 Stainless Steel Frame, Add	*871.60*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	570.71	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.68*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*50.15*	
		For Baked Enamel Finish, Add	*148.29*	
		For 18 Gauge Frame, Deduct	*-41.79*	
		For 14 Gauge Frame, Add	*104.47*	
		For 12 Gauge Frame, Add	*158.79*	
		For Type 304 Stainless Steel Frame, Add	*759.83*	
		For Type 316 Stainless Steel Frame, Add	*885.19*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	607.07	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.99*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*53.59*	
		For Baked Enamel Finish, Add	*158.05*	
		For 18 Gauge Frame, Deduct	*-44.66*	
		For 14 Gauge Frame, Add	*111.65*	
		For 12 Gauge Frame, Add	*169.70*	
		For Type 304 Stainless Steel Frame, Add	*811.89*	
		For Type 316 Stainless Steel Frame, Add	*945.86*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	614.71	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*66.99*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*53.59*	
		For Baked Enamel Finish, Add	*159.20*	
		For 18 Gauge Frame, Deduct	*-44.66*	
		For 14 Gauge Frame, Add	*111.65*	
		For 12 Gauge Frame, Add	*169.70*	
		For Type 304 Stainless Steel Frame, Add	*812.27*	
		For Type 316 Stainless Steel Frame, Add	*946.25*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	638.30	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*69.38*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*55.50*	
		For Baked Enamel Finish, Add	*165.13*	
		For 18 Gauge Frame, Deduct	*-46.25*	
		For 14 Gauge Frame, Add	*115.64*	
		For 12 Gauge Frame, Add	*175.77*	
		For Type 304 Stainless Steel Frame, Add	*841.36*	
		For Type 316 Stainless Steel Frame, Add	*980.12*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	661.90	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*71.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*57.42*	
		For Baked Enamel Finish, Add	*171.06*	
		For 18 Gauge Frame, Deduct	*-47.85*	
		For 14 Gauge Frame, Add	*119.62*	
		For 12 Gauge Frame, Add	*181.83*	
		For Type 304 Stainless Steel Frame, Add	*870.45*	
		For Type 316 Stainless Steel Frame, Add	*1,014.00*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	669.54	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*71.77*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*57.42*	
		For Baked Enamel Finish, Add	*172.20*	
		For 18 Gauge Frame, Deduct	*-47.85*	
		For 14 Gauge Frame, Add	*119.62*	
		For 12 Gauge Frame, Add	*181.83*	
		For Type 304 Stainless Steel Frame, Add	*870.83*	
		For Type 316 Stainless Steel Frame, Add	*1,014.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	681.33	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*72.97*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*58.38*	
		For Baked Enamel Finish, Add	*175.17*	
		For 18 Gauge Frame, Deduct	*-48.65*	
		For 14 Gauge Frame, Add	*121.62*	
		For 12 Gauge Frame, Add	*184.85*	
		For Type 304 Stainless Steel Frame, Add	*885.37*	
		For Type 316 Stainless Steel Frame, Add	*1,031.31*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	693.12	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*74.17*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*59.33*	
		For Baked Enamel Finish, Add	*178.13*	
		For 18 Gauge Frame, Deduct	*-49.44*	
		For 14 Gauge Frame, Add	*123.61*	
		For 12 Gauge Frame, Add	*187.89*	
		For Type 304 Stainless Steel Frame, Add	*899.93*	
		For Type 316 Stainless Steel Frame, Add	*1,048.26*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	728.84	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*78.95*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*63.16*	
		For Baked Enamel Finish, Add	*188.28*	
		For 18 Gauge Frame, Deduct	*-52.63*	
		For 14 Gauge Frame, Add	*131.58*	
		For 12 Gauge Frame, Add	*200.01*	
		For Type 304 Stainless Steel Frame, Add	*957.52*	
		For Type 316 Stainless Steel Frame, Add	*1,115.42*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	764.57	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*83.74*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*66.99*	
		For Baked Enamel Finish, Add	*198.42*	
		For 18 Gauge Frame, Deduct	*-55.82*	
		For 14 Gauge Frame, Add	*139.56*	
		For 12 Gauge Frame, Add	*212.13*	
		For Type 304 Stainless Steel Frame, Add	*1,015.15*	
		For Type 316 Stainless Steel Frame, Add	*1,182.62*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	430.10	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*47.32*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*37.86*	
		For Baked Enamel Finish, Add	*111.84*	
		For 18 Gauge Frame, Deduct	*-31.55*	
		For 14 Gauge Frame, Add	*78.87*	
		For 12 Gauge Frame, Add	*119.88*	
		For Type 304 Stainless Steel Frame, Add	*573.58*	
		For Type 316 Stainless Steel Frame, Add	*668.22*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	501.65	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*56.33*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.07*	
		For Baked Enamel Finish, Add	*131.58*	
		For 18 Gauge Frame, Deduct	*-37.56*	
		For 14 Gauge Frame, Add	*93.89*	
		For 12 Gauge Frame, Add	*142.71*	
		For Type 304 Stainless Steel Frame, Add	*682.31*	
		For Type 316 Stainless Steel Frame, Add	*794.98*	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	515.30	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*57.24*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.79*	
		For Baked Enamel Finish, Add	*134.53*	
		For 18 Gauge Frame, Deduct	*-38.16*	
		For 14 Gauge Frame, Add	*95.39*	
		For 12 Gauge Frame, Add	*145.00*	
		For Type 304 Stainless Steel Frame, Add	*693.51*	
		For Type 316 Stainless Steel Frame, Add	*807.98*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	526.76	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*57.24*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*45.79*	
		For Baked Enamel Finish, Add	*136.25*	
		For 18 Gauge Frame, Deduct	*-38.16*	
		For 14 Gauge Frame, Add	*95.39*	
		For 12 Gauge Frame, Add	*145.00*	
		For Type 304 Stainless Steel Frame, Add	*694.09*	
		For Type 316 Stainless Steel Frame, Add	*808.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	536.60	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*58.14*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*46.51*	
		For Baked Enamel Finish, Add	*138.63*	
		For 18 Gauge Frame, Deduct	*-38.76*	
		For 14 Gauge Frame, Add	*96.90*	
		For 12 Gauge Frame, Add	*147.28*	
		For Type 304 Stainless Steel Frame, Add	*705.10*	
		For Type 316 Stainless Steel Frame, Add	*821.37*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	546.42	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*59.04*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*47.23*	
		For Baked Enamel Finish, Add	*141.00*	
		For 18 Gauge Frame, Deduct	*-39.36*	
		For 14 Gauge Frame, Add	*98.40*	
		For 12 Gauge Frame, Add	*149.56*	
		For Type 304 Stainless Steel Frame, Add	*716.10*	
		For Type 316 Stainless Steel Frame, Add	*834.18*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	581.11	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*63.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*50.48*	
		For Baked Enamel Finish, Add	*150.26*	
		For 18 Gauge Frame, Deduct	*-42.06*	
		For 14 Gauge Frame, Add	*105.16*	
		For 12 Gauge Frame, Add	*159.84*	
		For Type 304 Stainless Steel Frame, Add	*765.16*	
		For Type 316 Stainless Steel Frame, Add	*891.35*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	588.75	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*63.09*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*50.48*	
		For Baked Enamel Finish, Add	*151.41*	
		For 18 Gauge Frame, Deduct	*-42.06*	
		For 14 Gauge Frame, Add	*105.16*	
		For 12 Gauge Frame, Add	*159.84*	
		For Type 304 Stainless Steel Frame, Add	*765.54*	
		For Type 316 Stainless Steel Frame, Add	*891.73*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	611.41	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*65.35*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*52.28*	
		For Baked Enamel Finish, Add	*157.06*	
		For 18 Gauge Frame, Deduct	*-43.57*	
		For 14 Gauge Frame, Add	*108.91*	
		For 12 Gauge Frame, Add	*165.55*	
		For Type 304 Stainless Steel Frame, Add	*792.96*	
		For Type 316 Stainless Steel Frame, Add	*923.65*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	634.08	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*67.60*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*54.08*	
		For Baked Enamel Finish, Add	*162.71*	
		For 18 Gauge Frame, Deduct	*-45.07*	
		For 14 Gauge Frame, Add	*112.67*	
		For 12 Gauge Frame, Add	*171.25*	
		For Type 304 Stainless Steel Frame, Add	*820.38*	
		For Type 316 Stainless Steel Frame, Add	*955.58*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	641.72	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*67.60*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*54.08*	
		For Baked Enamel Finish, Add	*163.86*	
		For 18 Gauge Frame, Deduct	*-45.07*	
		For 14 Gauge Frame, Add	*112.67*	
		For 12 Gauge Frame, Add	*171.25*	
		For Type 304 Stainless Steel Frame, Add	*820.76*	
		For Type 316 Stainless Steel Frame, Add	*955.96*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	653.05	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*68.73*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*54.98*	
		For Baked Enamel Finish, Add	*166.68*	
		For 18 Gauge Frame, Deduct	*-45.82*	
		For 14 Gauge Frame, Add	*114.55*	
		For 12 Gauge Frame, Add	*174.11*	
		For Type 304 Stainless Steel Frame, Add	*834.47*	
		For Type 316 Stainless Steel Frame, Add	*971.92*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	664.37	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*69.85*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*55.88*	
		For Baked Enamel Finish, Add	*169.51*	
		For 18 Gauge Frame, Deduct	*-46.57*	
		For 14 Gauge Frame, Add	*116.42*	
		For 12 Gauge Frame, Add	*176.96*	
		For Type 304 Stainless Steel Frame, Add	*848.18*	
		For Type 316 Stainless Steel Frame, Add	*987.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	698.24	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*74.36*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*59.49*	
		For Baked Enamel Finish, Add	*179.10*	
		For 18 Gauge Frame, Deduct	*-49.57*	
		For 14 Gauge Frame, Add	*123.93*	
		For 12 Gauge Frame, Add	*188.38*	
		For Type 304 Stainless Steel Frame, Add	*902.44*	
		For Type 316 Stainless Steel Frame, Add	*1,051.16*	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	732.11	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*78.87*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*63.09*	
		For Baked Enamel Finish, Add	*188.68*	
		For 18 Gauge Frame, Deduct	*-52.58*	
		For 14 Gauge Frame, Add	*131.45*	
		For 12 Gauge Frame, Add	*199.80*	
		For Type 304 Stainless Steel Frame, Add	*956.72*	
		For Type 316 Stainless Steel Frame, Add	*1,114.45*	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	465.15	57.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*52.58*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*42.06*	
		For Baked Enamel Finish, Add	*122.35*	
		For 18 Gauge Frame, Deduct	*-35.05*	
		For 14 Gauge Frame, Add	*87.63*	
		For 12 Gauge Frame, Add	*133.20*	
		For Type 304 Stainless Steel Frame, Add	*636.67*	
		For Type 316 Stainless Steel Frame, Add	*741.82*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	543.38	63.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*62.59*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*50.07*	
		For Baked Enamel Finish, Add	*144.10*	
		For 18 Gauge Frame, Deduct	*-41.73*	
		For 14 Gauge Frame, Add	*104.32*	
		For 12 Gauge Frame, Add	*158.57*	
		For Type 304 Stainless Steel Frame, Add	*757.43*	
		For Type 316 Stainless Steel Frame, Add	*882.61*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	557.69	66.87
		For Auxiliary Frame Reinforcement For Hinges, Add	*63.59*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*50.88*	
		For Baked Enamel Finish, Add	*147.25*	
		For 18 Gauge Frame, Deduct	*-42.40*	
		For 14 Gauge Frame, Add	*105.99*	
		For 12 Gauge Frame, Add	*161.10*	
		For Type 304 Stainless Steel Frame, Add	*769.81*	
		For Type 316 Stainless Steel Frame, Add	*897.00*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	569.15	72.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*63.59*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*50.88*	
		For Baked Enamel Finish, Add	*148.97*	
		For 18 Gauge Frame, Deduct	*-42.40*	
		For 14 Gauge Frame, Add	*105.99*	
		For 12 Gauge Frame, Add	*161.10*	
		For Type 304 Stainless Steel Frame, Add	*770.39*	
		For Type 316 Stainless Steel Frame, Add	*897.58*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	579.66	74.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*64.60*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*51.68*	
		For Baked Enamel Finish, Add	*151.55*	
		For 18 Gauge Frame, Deduct	*-43.06*	
		For 14 Gauge Frame, Add	*107.66*	
		For 12 Gauge Frame, Add	*163.64*	
		For Type 304 Stainless Steel Frame, Add	*782.60*	
		For Type 316 Stainless Steel Frame, Add	*911.80*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	590.15	76.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*65.60*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*52.48*	
		For Baked Enamel Finish, Add	*154.12*	
		For 18 Gauge Frame, Deduct	*-43.73*	
		For 14 Gauge Frame, Add	*109.33*	
		For 12 Gauge Frame, Add	*166.18*	
		For Type 304 Stainless Steel Frame, Add	*794.82*	
		For Type 316 Stainless Steel Frame, Add	*926.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	627.84	80.24
		For Auxiliary Frame Reinforcement For Hinges, Add	*70.10*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*56.08*	
		For Baked Enamel Finish, Add	*164.28*	
		For 18 Gauge Frame, Deduct	*-46.74*	
		For 14 Gauge Frame, Add	*116.84*	
		For 12 Gauge Frame, Add	*177.60*	
		For Type 304 Stainless Steel Frame, Add	*849.27*	
		For Type 316 Stainless Steel Frame, Add	*989.48*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	635.48	84.07
		For Auxiliary Frame Reinforcement For Hinges, Add	*70.10*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*56.08*	
		For Baked Enamel Finish, Add	*165.43*	
		For 18 Gauge Frame, Deduct	*-46.74*	
		For 14 Gauge Frame, Add	*116.84*	
		For 12 Gauge Frame, Add	*177.60*	
		For Type 304 Stainless Steel Frame, Add	*849.65*	
		For Type 316 Stainless Steel Frame, Add	*989.86*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	659.81	87.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*72.61*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*58.09*	
		For Baked Enamel Finish, Add	*171.58*	
		For 18 Gauge Frame, Deduct	*-48.41*	
		For 14 Gauge Frame, Add	*121.01*	
		For 12 Gauge Frame, Add	*183.94*	
		For Type 304 Stainless Steel Frame, Add	*880.08*	
		For Type 316 Stainless Steel Frame, Add	*1,025.29*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	684.16	91.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*75.11*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*60.09*	
		For Baked Enamel Finish, Add	*177.74*	
		For 18 Gauge Frame, Deduct	*-50.08*	
		For 14 Gauge Frame, Add	*125.19*	
		For 12 Gauge Frame, Add	*190.29*	
		For Type 304 Stainless Steel Frame, Add	*910.52*	
		For Type 316 Stainless Steel Frame, Add	*1,060.75*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	691.80	95.53
		For Auxiliary Frame Reinforcement For Hinges, Add	*75.11*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*60.09*	
		For Baked Enamel Finish, Add	*178.88*	
		For 18 Gauge Frame, Deduct	*-50.08*	
		For 14 Gauge Frame, Add	*125.19*	
		For 12 Gauge Frame, Add	*190.29*	
		For Type 304 Stainless Steel Frame, Add	*910.90*	
		For Type 316 Stainless Steel Frame, Add	*1,061.13*	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	703.96	97.44
		For Auxiliary Frame Reinforcement For Hinges, Add	*76.36*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*61.09*	
		For Baked Enamel Finish, Add	*181.96*	
		For 18 Gauge Frame, Deduct	*-50.91*	
		For 14 Gauge Frame, Add	*127.27*	
		For 12 Gauge Frame, Add	*193.45*	
		For Type 304 Stainless Steel Frame, Add	*926.11*	
		For Type 316 Stainless Steel Frame, Add	*1,078.83*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	716.12	99.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*77.62*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*62.09*	
		For Baked Enamel Finish, Add	*185.03*	
		For 18 Gauge Frame, Deduct	*-51.74*	
		For 14 Gauge Frame, Add	*129.36*	
		For 12 Gauge Frame, Add	*196.63*	
		For Type 304 Stainless Steel Frame, Add	*941.33*	
		For Type 316 Stainless Steel Frame, Add	*1,096.56*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	753.32	101.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*82.62*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*66.10*	
		For Baked Enamel Finish, Add	*195.62*	
		For 18 Gauge Frame, Deduct	*-55.08*	
		For 14 Gauge Frame, Add	*137.70*	
		For 12 Gauge Frame, Add	*209.31*	
		For Type 304 Stainless Steel Frame, Add	*1,001.58*	
		For Type 316 Stainless Steel Frame, Add	*1,166.83*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	790.53	103.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*87.63*	
		For Welded Frames, Add	*92.93*	
		For Galvanized Frames, Add	*70.10*	
		For Baked Enamel Finish, Add	*206.21*	
		For 18 Gauge Frame, Deduct	*-58.42*	
		For 14 Gauge Frame, Add	*146.05*	
		For 12 Gauge Frame, Add	*222.00*	
		For Type 304 Stainless Steel Frame, Add	*1,061.88*	
		For Type 316 Stainless Steel Frame, Add	*1,237.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0166		**Sidelights And Transoms** *(08 12 13 13)* Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167		**Fixed Steel Transoms** *(08 12 13 13-0166)* Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	49.77	10.69
		For Movable Frame, Add	*9.95*	
		For 18 Gauge Frame, Deduct	*-2.84*	
		For 14 Gauge Frame, Add	*7.09*	
		For 12 Gauge Frame, Add	*10.78*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	51.93	11.08
		For Movable Frame, Add	*10.39*	
		For 18 Gauge Frame, Deduct	*-2.98*	
		For 14 Gauge Frame, Add	*7.44*	
		For 12 Gauge Frame, Add	*11.31*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	54.19	11.46
		For Movable Frame, Add	*10.84*	
		For 18 Gauge Frame, Deduct	*-3.13*	
		For 14 Gauge Frame, Add	*7.82*	
		For 12 Gauge Frame, Add	*11.88*	
08 12 13 13-0171		**Operable Steel Transom Sash** *(08 12 13 13-0166)* Note: Includes hardware.		
08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	68.93	10.69
		For 18 Gauge Frame, Deduct	*-4.75*	
		For 14 Gauge Frame, Add	*11.88*	
		For 12 Gauge Frame, Add	*18.06*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	72.08	11.08
		For 18 Gauge Frame, Deduct	*-4.99*	
		For 14 Gauge Frame, Add	*12.48*	
		For 12 Gauge Frame, Add	*18.97*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	75.34	11.46
		For 18 Gauge Frame, Deduct	*-5.24*	
		For 14 Gauge Frame, Add	*13.10*	
		For 12 Gauge Frame, Add	*19.92*	
08 12 13 13-0175		**Sidelights, Steel Frame** *(08 12 13 13-0166)* Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	51.89	10.69
		For 18 Gauge Frame, Deduct	*-3.05*	
		For 14 Gauge Frame, Add	*7.62*	
		For 12 Gauge Frame, Add	*11.59*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	54.17	11.08
		For 18 Gauge Frame, Deduct	*-3.20*	
		For 14 Gauge Frame, Add	*8.00*	
		For 12 Gauge Frame, Add	*12.16*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	56.53	11.46
		For 18 Gauge Frame, Deduct	*-3.36*	
		For 14 Gauge Frame, Add	*8.40*	
		For 12 Gauge Frame, Add	*12.77*	
08 12 13 13-0179		**Sundry Hollow Metal Frame Sections** *(08 12 13 13)* Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180		**16 Gauge, Hollow Metal Frame Vertical Mullions** *(08 12 13 13-0179)*		
08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	30.30	4.28
		For 18 Gauge Frame, Deduct	*-1.95*	
		For 14 Gauge Frame, Add	*4.88*	
		For 12 Gauge Frame, Add	*7.42*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.09	4.28
		For 18 Gauge Frame, Deduct	*-2.03*	
		For 14 Gauge Frame, Add	*5.08*	
		For 12 Gauge Frame, Add	*7.72*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	30.61	4.43
		For 18 Gauge Frame, Deduct	*-1.95*	
		For 14 Gauge Frame, Add	*4.88*	
		For 12 Gauge Frame, Add	*7.42*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.83	4.43
		For 18 Gauge Frame, Deduct	*-2.08*	
		For 14 Gauge Frame, Add	*5.19*	
		For 12 Gauge Frame, Add	*7.89*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.83	4.51
		For 18 Gauge Frame, Deduct	*-2.05*	
		For 14 Gauge Frame, Add	*5.13*	
		For 12 Gauge Frame, Add	*7.79*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	32.29	4.51
		For 18 Gauge Frame, Deduct	*-2.10*	
		For 14 Gauge Frame, Add	*5.24*	
		For 12 Gauge Frame, Add	*7.97*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails *(08 12 13 13-0179)*

08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	20.53	4.28
		For 18 Gauge Frame, Deduct	*-0.98*	
		For 14 Gauge Frame, Add	*2.44*	
		For 12 Gauge Frame, Add	*3.71*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	21.53	4.28
		For 18 Gauge Frame, Deduct	*-1.08*	
		For 14 Gauge Frame, Add	*2.69*	
		For 12 Gauge Frame, Add	*4.09*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	20.84	4.43
		For 18 Gauge Frame, Deduct	*-0.98*	
		For 14 Gauge Frame, Add	*2.44*	
		For 12 Gauge Frame, Add	*3.71*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	21.84	4.43
		For 18 Gauge Frame, Deduct	*-1.08*	
		For 14 Gauge Frame, Add	*2.69*	
		For 12 Gauge Frame, Add	*4.09*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	21.58	4.51
		For 18 Gauge Frame, Deduct	*-1.03*	
		For 14 Gauge Frame, Add	*2.57*	
		For 12 Gauge Frame, Add	*3.90*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	22.44	4.51
		For 18 Gauge Frame, Deduct	*-1.11*	
		For 14 Gauge Frame, Add	*2.78*	
		For 12 Gauge Frame, Add	*4.23*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

08 12 13 13-0194 Metal Frames Accessories *(08 12 13 13)*

08 12 13 13-0195	EA	For 1' Extension Of New Door Frame	35.05	

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	534.33	42.03
		For Embossed Panel, Add	*108.06*	
		For Galvanized Steel, Add	*67.54*	
		For Baked Enamel Finish, Add	*185.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.82*	
		For >100, Deduct	*-42.18*	
		For Insulated Door (Polystyrene Core), Add	*45.03*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*112.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	534.33	42.03
		For Embossed Panel, Add	*108.06*	
		For Galvanized Steel, Add	*67.54*	
		For Baked Enamel Finish, Add	*185.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.82*	
		For >100, Deduct	*-42.18*	
		For Insulated Door (Polystyrene Core), Add	*45.03*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*112.57*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	547.35	43.94
		For Embossed Panel, Add	*110.27*	
		For Galvanized Steel, Add	*68.92*	
		For Baked Enamel Finish, Add	*190.57*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.56*	
		For >100, Deduct	*-43.25*	
		For Insulated Door (Polystyrene Core), Add	*45.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*114.87*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	554.21	43.94
		For Embossed Panel, Add	*111.92*	
		For Galvanized Steel, Add	*69.95*	
		For Baked Enamel Finish, Add	*192.63*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.91*	
		For >100, Deduct	*-43.76*	
		For Insulated Door (Polystyrene Core), Add	*46.63*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*116.58*	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	558.87	44.89
		For Embossed Panel, Add	*112.58*	
		For Galvanized Steel, Add	*70.36*	
		For Baked Enamel Finish, Add	*194.60*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.19*	
		For >100, Deduct	*-44.16*	
		For Insulated Door (Polystyrene Core), Add	*46.91*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*117.27*	
		For Type 304 Stainless Steel Door, Add	*379.75*	
		For Type 316 Stainless Steel Door, Add	*614.28*	
		For Seamless Edge (Welded), Add	*58.63*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	563.51	45.85
		For Embossed Panel, Add	*113.23*	
		For Galvanized Steel, Add	*70.77*	
		For Baked Enamel Finish, Add	*196.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.47*	
		For >100, Deduct	*-44.56*	
		For Insulated Door (Polystyrene Core), Add	*47.18*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*117.95*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	599.17	45.85
		For Embossed Panel, Add	*121.79*	
		For Galvanized Steel, Add	*76.12*	
		For Baked Enamel Finish, Add	*207.26*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.25*	
		For >100, Deduct	*-47.23*	
		For Insulated Door (Polystyrene Core), Add	*50.75*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*126.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	616.72	47.76
		For Embossed Panel, Add	*125.09*	
		For Galvanized Steel, Add	*78.18*	
		For Baked Enamel Finish, Add	*213.68*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.22*	
		For >100, Deduct	*-48.64*	
		For Insulated Door (Polystyrene Core), Add	*52.12*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.30*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	679.22	51.58
		For Embossed Panel, Add	*138.25*	
		For Galvanized Steel, Add	*86.41*	
		For Baked Enamel Finish, Add	*234.72*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.54*	
		For >100, Deduct	*-53.52*	
		For Insulated Door (Polystyrene Core), Add	*57.61*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.01*	

08 13 13 13-0012 7' High, 20 Gauge, Unrated, Hollow Metal Door *(08 13 13 13-0001)*

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	546.13	42.03
		For Embossed Panel, Add	*110.89*	
		For Galvanized Steel, Add	*69.31*	
		For Baked Enamel Finish, Add	*189.06*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.41*	
		For >100, Deduct	*-43.06*	
		For Insulated Door (Polystyrene Core), Add	*46.21*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*115.52*	
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	546.13	42.03
		For Embossed Panel, Add	*110.89*	
		For Galvanized Steel, Add	*69.31*	
		For Baked Enamel Finish, Add	*189.06*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.41*	
		For >100, Deduct	*-43.06*	
		For Insulated Door (Polystyrene Core), Add	*46.21*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*115.52*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	559.39	43.94
		For Embossed Panel, Add	*113.16*	
		For Galvanized Steel, Add	*70.73*	
		For Baked Enamel Finish, Add	*194.18*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.17*	
		For >100, Deduct	*-44.15*	
		For Insulated Door (Polystyrene Core), Add	*47.15*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*117.88*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	566.42	43.94
		For Embossed Panel, Add	*114.85*	
		For Galvanized Steel, Add	*71.78*	
		For Baked Enamel Finish, Add	*196.29*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.52*	
		For >100, Deduct	*-44.68*	
		For Insulated Door (Polystyrene Core), Add	*47.85*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*119.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	571.16	44.89
		For Embossed Panel, Add	*115.53*	
		For Galvanized Steel, Add	*72.20*	
		For Baked Enamel Finish, Add	*198.29*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.80*	
		For >100, Deduct	*-45.08*	
		For Insulated Door (Polystyrene Core), Add	*48.14*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*120.34*	
		For Type 304 Stainless Steel Door, Add	*389.58*	
		For Type 316 Stainless Steel Door, Add	*630.26*	
		For Seamless Edge (Welded), Add	*60.17*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	575.87	45.85
		For Embossed Panel, Add	*116.20*	
		For Galvanized Steel, Add	*72.63*	
		For Baked Enamel Finish, Add	*200.27*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.09*	
		For >100, Deduct	*-45.48*	
		For Insulated Door (Polystyrene Core), Add	*48.42*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*121.04*	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	612.47	45.85
		For Embossed Panel, Add	*124.98*	
		For Galvanized Steel, Add	*78.12*	
		For Baked Enamel Finish, Add	*211.25*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.92*	
		For >100, Deduct	*-48.23*	
		For Insulated Door (Polystyrene Core), Add	*52.08*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.19*	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	630.37	47.76
		For Embossed Panel, Add	*128.36*	
		For Galvanized Steel, Add	*80.23*	
		For Baked Enamel Finish, Add	*217.77*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.91*	
		For >100, Deduct	*-49.67*	
		For Insulated Door (Polystyrene Core), Add	*53.48*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*133.71*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	694.31	51.58
		For Embossed Panel, Add	*141.87*	
		For Galvanized Steel, Add	*88.67*	
		For Baked Enamel Finish, Add	*239.24*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.29*	
		For >100, Deduct	*-54.65*	
		For Insulated Door (Polystyrene Core), Add	*59.11*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*147.79*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	557.59	42.03
		For Embossed Panel, Add	*113.64*	
		For Galvanized Steel, Add	*71.03*	
		For Baked Enamel Finish, Add	*192.50*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.98*	
		For >100, Deduct	*-43.92*	
		For Insulated Door (Polystyrene Core), Add	*47.35*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*118.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	557.59	42.03
		For Embossed Panel, Add	*113.64*	
		For Galvanized Steel, Add	*71.03*	
		For Baked Enamel Finish, Add	*192.50*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.98*	
		For >100, Deduct	*-43.92*	
		For Insulated Door (Polystyrene Core), Add	*47.35*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*118.38*	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	571.08	43.94
		For Embossed Panel, Add	*115.97*	
		For Galvanized Steel, Add	*72.48*	
		For Baked Enamel Finish, Add	*197.69*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-45.03*	
		For Insulated Door (Polystyrene Core), Add	*48.32*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*120.80*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	578.29	43.94
		For Embossed Panel, Add	*117.70*	
		For Galvanized Steel, Add	*73.56*	
		For Baked Enamel Finish, Add	*199.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.11*	
		For >100, Deduct	*-45.57*	
		For Insulated Door (Polystyrene Core), Add	*49.04*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*122.60*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	583.09	44.89
		For Embossed Panel, Add	*118.39*	
		For Galvanized Steel, Add	*73.99*	
		For Baked Enamel Finish, Add	*201.87*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.40*	
		For >100, Deduct	*-45.98*	
		For Insulated Door (Polystyrene Core), Add	*49.33*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*123.32*	
		For Type 304 Stainless Steel Door, Add	*399.12*	
		For Type 316 Stainless Steel Door, Add	*645.77*	
		For Seamless Edge (Welded), Add	*61.66*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	587.88	45.85
		For Embossed Panel, Add	*119.08*	
		For Galvanized Steel, Add	*74.43*	
		For Baked Enamel Finish, Add	*203.87*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-46.38*	
		For Insulated Door (Polystyrene Core), Add	*49.62*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*124.05*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	625.38	45.85
		For Embossed Panel, Add	*128.08*	
		For Galvanized Steel, Add	*80.05*	
		For Baked Enamel Finish, Add	*215.12*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.56*	
		For >100, Deduct	*-49.20*	
		For Insulated Door (Polystyrene Core), Add	*53.37*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*133.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	643.64	47.76
		For Embossed Panel, Add	*131.55*	
		For Galvanized Steel, Add	*82.22*	
		For Baked Enamel Finish, Add	*221.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.57*	
		For >100, Deduct	*-50.66*	
		For Insulated Door (Polystyrene Core), Add	*54.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*137.03*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	708.97	51.58
		For Embossed Panel, Add	*145.39*	
		For Galvanized Steel, Add	*90.87*	
		For Baked Enamel Finish, Add	*243.64*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.03*	
		For >100, Deduct	*-55.75*	
		For Insulated Door (Polystyrene Core), Add	*60.58*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.45*	

08 13 13 13-0032 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	570.76	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*97.34*	
		For Embossed Panel, Add	*116.81*	
		For Galvanized Steel, Add	*73.00*	
		For Baked Enamel Finish, Add	*196.45*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.64*	
		For >100, Deduct	*-44.91*	
		For 2" Thick Door, Add	*37.39*	
		For Insulated Door (Polystyrene Core), Add	*48.67*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*121.67*	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	570.76	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*97.34*	
		For Embossed Panel, Add	*116.81*	
		For Galvanized Steel, Add	*73.00*	
		For Baked Enamel Finish, Add	*196.45*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.64*	
		For >100, Deduct	*-44.91*	
		For 2" Thick Door, Add	*37.39*	
		For Insulated Door (Polystyrene Core), Add	*48.67*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*121.67*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	584.52	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*99.33*	
		For Embossed Panel, Add	*119.19*	
		For Galvanized Steel, Add	*74.50*	
		For Baked Enamel Finish, Add	*201.72*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.42*	
		For >100, Deduct	*-46.04*	
		For 2" Thick Door, Add	*38.20*	
		For Insulated Door (Polystyrene Core), Add	*49.66*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*124.16*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	591.93	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*100.81*	
		For Embossed Panel, Add	*120.97*	
		For Galvanized Steel, Add	*75.61*	
		For Baked Enamel Finish, Add	*203.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.79*	
		For >100, Deduct	*-46.59*	
		For 2" Thick Door, Add	*38.74*	
		For Insulated Door (Polystyrene Core), Add	*50.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*126.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	596.81	44.89
		For 18 Gauge, Grade II, Heavy Duty, Add	*101.40*	
		For Embossed Panel, Add	*121.68*	
		For Galvanized Steel, Add	*76.05*	
		For Baked Enamel Finish, Add	*205.98*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.09*	
		For >100, Deduct	*-47.01*	
		For 2" Thick Door, Add	*39.00*	
		For Insulated Door (Polystyrene Core), Add	*50.70*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*126.75*	
		For Type 304 Stainless Steel Door, Add	*410.10*	
		For Type 316 Stainless Steel Door, Add	*663.60*	
		For Seamless Edge (Welded), Add	*63.38*	
		For Steel Stiffened, Add	*126.75*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	601.68	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*102.00*	
		For Embossed Panel, Add	*122.40*	
		For Galvanized Steel, Add	*76.50*	
		For Baked Enamel Finish, Add	*208.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.38*	
		For >100, Deduct	*-47.42*	
		For 2" Thick Door, Add	*39.27*	
		For Insulated Door (Polystyrene Core), Add	*51.00*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*127.50*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	640.23	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*109.71*	
		For Embossed Panel, Add	*131.65*	
		For Galvanized Steel, Add	*82.28*	
		For Baked Enamel Finish, Add	*219.58*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.30*	
		For >100, Deduct	*-50.31*	
		For 2" Thick Door, Add	*42.06*	
		For Insulated Door (Polystyrene Core), Add	*54.85*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*137.13*	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	658.88	47.76
		For 18 Gauge, Grade II, Heavy Duty, Add	*112.67*	
		For Embossed Panel, Add	*135.20*	
		For Galvanized Steel, Add	*84.50*	
		For Baked Enamel Finish, Add	*226.32*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-35.33*	
		For >100, Deduct	*-51.80*	
		For 2" Thick Door, Add	*43.23*	
		For Insulated Door (Polystyrene Core), Add	*56.34*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*140.84*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	725.82	51.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*124.53*	
		For Embossed Panel, Add	*149.44*	
		For Galvanized Steel, Add	*93.40*	
		For Baked Enamel Finish, Add	*248.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.87*	
		For >100, Deduct	*-57.02*	
		For 2" Thick Door, Add	*47.72*	
		For Insulated Door (Polystyrene Core), Add	*62.27*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*155.66*	

08 13 13 13-0043 7' High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	582.31	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*99.65*	
		For Embossed Panel, Add	*119.58*	
		For Galvanized Steel, Add	*74.74*	
		For Baked Enamel Finish, Add	*199.91*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.22*	
		For >100, Deduct	*-45.78*	
		For 2" Thick Door, Add	*38.22*	
		For Insulated Door (Polystyrene Core), Add	*49.82*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*124.56*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	582.31	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*99.65*	
		For Embossed Panel, Add	*119.58*	
		For Galvanized Steel, Add	*74.74*	
		For Baked Enamel Finish, Add	*199.91*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.22*	
		For >100, Deduct	*-45.78*	
		For 2" Thick Door, Add	*38.22*	
		For Insulated Door (Polystyrene Core), Add	*49.82*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*124.56*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	596.31	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*101.69*	
		For Embossed Panel, Add	*122.02*	
		For Galvanized Steel, Add	*76.26*	
		For Baked Enamel Finish, Add	*205.26*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.01*	
		For >100, Deduct	*-46.92*	
		For 2" Thick Door, Add	*39.06*	
		For Insulated Door (Polystyrene Core), Add	*50.84*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*127.11*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	603.89	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*103.20*	
		For Embossed Panel, Add	*123.84*	
		For Galvanized Steel, Add	*77.40*	
		For Baked Enamel Finish, Add	*207.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.39*	
		For >100, Deduct	*-47.49*	
		For 2" Thick Door, Add	*39.61*	
		For Insulated Door (Polystyrene Core), Add	*51.60*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*129.00*	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	608.85	44.89
		For 18 Gauge, Grade II, Heavy Duty, Add	*103.81*	
		For Embossed Panel, Add	*124.57*	
		For Galvanized Steel, Add	*77.86*	
		For Baked Enamel Finish, Add	*209.60*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.69*	
		For >100, Deduct	*-47.91*	
		For 2" Thick Door, Add	*39.88*	
		For Insulated Door (Polystyrene Core), Add	*51.91*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*129.76*	
		For Type 304 Stainless Steel Door, Add	*419.73*	
		For Type 316 Stainless Steel Door, Add	*679.26*	
		For Seamless Edge (Welded), Add	*64.88*	
		For Steel Stiffened, Add	*129.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	613.78	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*104.42*	
		For Embossed Panel, Add	*125.30*	
		For Galvanized Steel, Add	*78.31*	
		For Baked Enamel Finish, Add	*211.64*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.98*	
		For >100, Deduct	*-48.33*	
		For 2" Thick Door, Add	*40.14*	
		For Insulated Door (Polystyrene Core), Add	*52.21*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.52*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	653.25	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*112.31*	
		For Embossed Panel, Add	*134.77*	
		For Galvanized Steel, Add	*84.23*	
		For Baked Enamel Finish, Add	*223.49*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.96*	
		For >100, Deduct	*-51.29*	
		For 2" Thick Door, Add	*43.00*	
		For Insulated Door (Polystyrene Core), Add	*56.16*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*140.39*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	672.25	47.76
		For 18 Gauge, Grade II, Heavy Duty, Add	*115.34*	
		For Embossed Panel, Add	*138.41*	
		For Galvanized Steel, Add	*86.51*	
		For Baked Enamel Finish, Add	*230.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.00*	
		For >100, Deduct	*-52.81*	
		For 2" Thick Door, Add	*44.20*	
		For Insulated Door (Polystyrene Core), Add	*57.67*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.18*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	740.60	51.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*127.49*	
		For Embossed Panel, Add	*152.98*	
		For Galvanized Steel, Add	*95.61*	
		For Baked Enamel Finish, Add	*253.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.61*	
		For >100, Deduct	*-58.12*	
		For 2" Thick Door, Add	*48.79*	
		For Insulated Door (Polystyrene Core), Add	*63.74*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*159.36*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	593.86	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*101.96*	
		For Embossed Panel, Add	*122.35*	
		For Galvanized Steel, Add	*76.47*	
		For Baked Enamel Finish, Add	*203.38*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.79*	
		For >100, Deduct	*-46.64*	
		For 2" Thick Door, Add	*39.06*	
		For Insulated Door (Polystyrene Core), Add	*50.98*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*127.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	593.86	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*101.96*	
		For Embossed Panel, Add	*122.35*	
		For Galvanized Steel, Add	*76.47*	
		For Baked Enamel Finish, Add	*203.38*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.79*	
		For >100, Deduct	*-46.64*	
		For 2" Thick Door, Add	*39.06*	
		For Insulated Door (Polystyrene Core), Add	*50.98*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*127.45*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	608.10	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*104.04*	
		For Embossed Panel, Add	*124.85*	
		For Galvanized Steel, Add	*78.03*	
		For Baked Enamel Finish, Add	*208.79*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-47.80*	
		For 2" Thick Door, Add	*39.91*	
		For Insulated Door (Polystyrene Core), Add	*52.02*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.06*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	615.86	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*105.60*	
		For Embossed Panel, Add	*126.72*	
		For Galvanized Steel, Add	*79.20*	
		For Baked Enamel Finish, Add	*211.12*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-48.39*	
		For 2" Thick Door, Add	*40.48*	
		For Insulated Door (Polystyrene Core), Add	*52.80*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*132.00*	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	625.89	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*106.84*	
		For Embossed Panel, Add	*128.21*	
		For Galvanized Steel, Add	*80.13*	
		For Baked Enamel Finish, Add	*215.28*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-49.23*	
		For 2" Thick Door, Add	*41.02*	
		For Insulated Door (Polystyrene Core), Add	*53.42*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*133.55*	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	666.26	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*114.91*	
		For Embossed Panel, Add	*137.89*	
		For Galvanized Steel, Add	*86.18*	
		For Baked Enamel Finish, Add	*227.39*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-35.61*	
		For >100, Deduct	*-52.26*	
		For 2" Thick Door, Add	*43.95*	
		For Insulated Door (Polystyrene Core), Add	*57.46*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*143.64*	
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	685.62	47.76
		For 18 Gauge, Grade II, Heavy Duty, Add	*118.02*	
		For Embossed Panel, Add	*141.62*	
		For Galvanized Steel, Add	*88.51*	
		For Baked Enamel Finish, Add	*234.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.67*	
		For >100, Deduct	*-53.81*	
		For 2" Thick Door, Add	*45.17*	
		For Insulated Door (Polystyrene Core), Add	*59.01*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*147.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	755.38	51.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*130.44*	
		For Embossed Panel, Add	*156.53*	
		For Galvanized Steel, Add	*97.83*	
		For Baked Enamel Finish, Add	*257.57*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.35*	
		For >100, Deduct	*-59.23*	
		For 2" Thick Door, Add	*49.86*	
		For Insulated Door (Polystyrene Core), Add	*65.22*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*163.05*	

08 13 13 13-0062 8' High, 18 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	689.13	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*121.01*	
		For Up To 1' Extra Height, Add	*167.42*	
		For 1' To 1'-6" Extra Height, Add	*319.41*	
		For Embossed Panel, Add	*145.21*	
		For Galvanized Steel, Add	*90.76*	
		For Baked Enamel Finish, Add	*231.96*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.56*	
		For >100, Deduct	*-53.79*	
		For 2" Thick Door, Add	*45.97*	
		For Insulated Door (Polystyrene Core), Add	*60.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.27*	
08 13 13 13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	689.13	42.03
		For 18 Gauge, Grade II, Heavy Duty, Add	*121.01*	
		For Up To 1' Extra Height, Add	*167.42*	
		For 1' To 1'-6" Extra Height, Add	*319.41*	
		For Embossed Panel, Add	*145.21*	
		For Galvanized Steel, Add	*90.76*	
		For Baked Enamel Finish, Add	*231.96*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-36.56*	
		For >100, Deduct	*-53.79*	
		For 2" Thick Door, Add	*45.97*	
		For Insulated Door (Polystyrene Core), Add	*60.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.27*	
08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	705.32	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*123.49*	
		For Up To 1' Extra Height, Add	*170.85*	
		For 1' To 1'-6" Extra Height, Add	*325.95*	
		For Embossed Panel, Add	*148.19*	
		For Galvanized Steel, Add	*92.62*	
		For Baked Enamel Finish, Add	*237.96*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.46*	
		For >100, Deduct	*-55.10*	
		For 2" Thick Door, Add	*46.96*	
		For Insulated Door (Polystyrene Core), Add	*61.74*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*154.36*	
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	714.54	43.94
		For 18 Gauge, Grade II, Heavy Duty, Add	*125.33*	
		For Up To 1' Extra Height, Add	*173.40*	
		For 1' To 1'-6" Extra Height, Add	*330.81*	
		For Embossed Panel, Add	*150.40*	
		For Galvanized Steel, Add	*94.00*	
		For Baked Enamel Finish, Add	*240.73*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.92*	
		For >100, Deduct	*-55.79*	
		For 2" Thick Door, Add	*47.63*	
		For Insulated Door (Polystyrene Core), Add	*62.67*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*156.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	720.14	44.89
		For 18 Gauge, Grade II, Heavy Duty, Add	*126.07*	
		For Up To 1' Extra Height, Add	*174.42*	
		For 1' To 1'-6" Extra Height, Add	*332.76*	
		For Embossed Panel, Add	*151.28*	
		For Galvanized Steel, Add	*94.55*	
		For Baked Enamel Finish, Add	*242.98*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.25*	
		For >100, Deduct	*-56.26*	
		For 2" Thick Door, Add	*47.94*	
		For Insulated Door (Polystyrene Core), Add	*63.03*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*157.59*	
		For Type 304 Stainless Steel Door, Add	*508.76*	
		For Type 316 Stainless Steel Door, Add	*823.93*	
		For Seamless Edge (Welded), Add	*78.79*	
		For Steel Stiffened, Add	*157.59*	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	725.72	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*126.80*	
		For Up To 1' Extra Height, Add	*175.43*	
		For 1' To 1'-6" Extra Height, Add	*334.70*	
		For Embossed Panel, Add	*152.16*	
		For Galvanized Steel, Add	*95.10*	
		For Baked Enamel Finish, Add	*245.23*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.58*	
		For >100, Deduct	*-56.72*	
		For 2" Thick Door, Add	*48.26*	
		For Insulated Door (Polystyrene Core), Add	*63.40*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*158.51*	
08 13 13 13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	773.65	45.85
		For 18 Gauge, Grade II, Heavy Duty, Add	*136.39*	
		For Up To 1' Extra Height, Add	*188.70*	
		For 1' To 1'-6" Extra Height, Add	*360.00*	
		For Embossed Panel, Add	*163.67*	
		For Galvanized Steel, Add	*102.29*	
		For Baked Enamel Finish, Add	*259.61*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.98*	
		For >100, Deduct	*-60.32*	
		For 2" Thick Door, Add	*51.73*	
		For Insulated Door (Polystyrene Core), Add	*68.20*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*170.49*	
08 13 13 13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	795.91	47.76
		For 18 Gauge, Grade II, Heavy Duty, Add	*140.08*	
		For Up To 1' Extra Height, Add	*193.80*	
		For 1' To 1'-6" Extra Height, Add	*369.73*	
		For Embossed Panel, Add	*168.09*	
		For Galvanized Steel, Add	*105.06*	
		For Baked Enamel Finish, Add	*267.43*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.18*	
		For >100, Deduct	*-62.08*	
		For 2" Thick Door, Add	*53.17*	
		For Insulated Door (Polystyrene Core), Add	*70.04*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*175.10*	
08 13 13 13-0071	EA	4' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	877.27	51.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*154.82*	
		For Up To 1' Extra Height, Add	*214.19*	
		For 1' To 1'-6" Extra Height, Add	*408.65*	
		For Embossed Panel, Add	*185.78*	
		For Galvanized Steel, Add	*116.12*	
		For Baked Enamel Finish, Add	*294.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-46.44*	
		For >100, Deduct	*-68.37*	
		For 2" Thick Door, Add	*58.70*	
		For Insulated Door (Polystyrene Core), Add	*77.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*193.53*	

08 13 13 13-0072 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0073		6'-8" High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*		
08 13 13 13-0074	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	758.13	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*202.22*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*269.62*	
		For Embossed Panel, Add	*161.77*	
		For Galvanized Steel, Add	*101.11*	
		For Baked Enamel Finish, Add	*252.66*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.01*	
		For >100, Deduct	*-58.96*	
		For 2" Thick Door, Add	*50.97*	
		For Insulated Door (Polystyrene Core), Add	*67.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*168.52*	
08 13 13 13-0075	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	758.13	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*202.22*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*269.62*	
		For Embossed Panel, Add	*161.77*	
		For Galvanized Steel, Add	*101.11*	
		For Baked Enamel Finish, Add	*252.66*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.01*	
		For >100, Deduct	*-58.96*	
		For 2" Thick Door, Add	*50.97*	
		For Insulated Door (Polystyrene Core), Add	*67.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*168.52*	
08 13 13 13-0076	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	775.73	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*206.36*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*275.14*	
		For Embossed Panel, Add	*165.08*	
		For Galvanized Steel, Add	*103.18*	
		For Baked Enamel Finish, Add	*259.08*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.98*	
		For >100, Deduct	*-60.38*	
		For 2" Thick Door, Add	*52.07*	
		For Insulated Door (Polystyrene Core), Add	*68.79*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*171.96*	
08 13 13 13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	785.99	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*209.43*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*279.24*	
		For Embossed Panel, Add	*167.55*	
		For Galvanized Steel, Add	*104.72*	
		For Baked Enamel Finish, Add	*262.16*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.50*	
		For >100, Deduct	*-61.15*	
		For 2" Thick Door, Add	*52.81*	
		For Insulated Door (Polystyrene Core), Add	*69.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*174.53*	
08 13 13 13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	792.03	44.89
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*210.67*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*280.89*	
		For Embossed Panel, Add	*168.54*	
		For Galvanized Steel, Add	*105.33*	
		For Baked Enamel Finish, Add	*264.55*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.85*	
		For >100, Deduct	*-61.65*	
		For 2" Thick Door, Add	*53.16*	
		For Insulated Door (Polystyrene Core), Add	*70.22*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*175.56*	
		For Type 304 Stainless Steel Door, Add	*566.27*	
		For Type 316 Stainless Steel Door, Add	*917.39*	
		For Seamless Edge (Welded), Add	*87.78*	
		For Steel Stiffened, Add	*175.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	798.03	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*211.90*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*282.53*	
		For Embossed Panel, Add	*169.52*	
		For Galvanized Steel, Add	*105.95*	
		For Baked Enamel Finish, Add	*266.92*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.19*	
		For >100, Deduct	*-62.14*	
		For 2" Thick Door, Add	*53.50*	
		For Insulated Door (Polystyrene Core), Add	*70.63*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*176.58*	
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	851.41	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*227.91*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*303.88*	
		For Embossed Panel, Add	*182.33*	
		For Galvanized Steel, Add	*113.96*	
		For Baked Enamel Finish, Add	*282.93*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-44.86*	
		For >100, Deduct	*-66.15*	
		For 2" Thick Door, Add	*57.37*	
		For Insulated Door (Polystyrene Core), Add	*75.97*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*189.93*	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	875.77	47.76
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*234.07*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*312.10*	
		For Embossed Panel, Add	*187.26*	
		For Galvanized Steel, Add	*117.04*	
		For Baked Enamel Finish, Add	*291.39*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-46.18*	
		For >100, Deduct	*-68.07*	
		For 2" Thick Door, Add	*58.96*	
		For Insulated Door (Polystyrene Core), Add	*78.02*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*195.06*	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	965.55	51.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*258.71*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*344.95*	
		For Embossed Panel, Add	*206.97*	
		For Galvanized Steel, Add	*129.36*	
		For Baked Enamel Finish, Add	*320.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-50.86*	
		For >100, Deduct	*-75.00*	
		For 2" Thick Door, Add	*65.10*	
		For Insulated Door (Polystyrene Core), Add	*86.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*215.60*	

08 13 13 13-0083 7' High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	774.13	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*207.02*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*276.02*	
		For Embossed Panel, Add	*165.61*	
		For Galvanized Steel, Add	*103.51*	
		For Baked Enamel Finish, Add	*257.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.81*	
		For >100, Deduct	*-60.16*	
		For 2" Thick Door, Add	*52.13*	
		For Insulated Door (Polystyrene Core), Add	*69.01*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*172.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	774.13	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*207.02*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*276.02*	
		For Embossed Panel, Add	*165.61*	
		For Galvanized Steel, Add	*103.51*	
		For Baked Enamel Finish, Add	*257.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.81*	
		For >100, Deduct	*-60.16*	
		For 2" Thick Door, Add	*52.13*	
		For Insulated Door (Polystyrene Core), Add	*69.01*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*172.52*	
08 13 13 13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	792.05	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*211.25*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*281.67*	
		For Embossed Panel, Add	*169.00*	
		For Galvanized Steel, Add	*105.63*	
		For Baked Enamel Finish, Add	*263.98*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.80*	
		For >100, Deduct	*-61.60*	
		For 2" Thick Door, Add	*53.25*	
		For Insulated Door (Polystyrene Core), Add	*70.42*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*176.04*	
08 13 13 13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	802.56	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*214.40*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*285.87*	
		For Embossed Panel, Add	*171.52*	
		For Galvanized Steel, Add	*107.20*	
		For Baked Enamel Finish, Add	*267.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.33*	
		For >100, Deduct	*-62.39*	
		For 2" Thick Door, Add	*54.01*	
		For Insulated Door (Polystyrene Core), Add	*71.47*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*178.67*	
08 13 13 13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	808.68	44.89
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*215.66*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*287.55*	
		For Embossed Panel, Add	*172.53*	
		For Galvanized Steel, Add	*107.83*	
		For Baked Enamel Finish, Add	*269.54*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.68*	
		For >100, Deduct	*-62.90*	
		For 2" Thick Door, Add	*54.36*	
		For Insulated Door (Polystyrene Core), Add	*71.89*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*179.72*	
		For Type 304 Stainless Steel Door, Add	*579.59*	
		For Type 316 Stainless Steel Door, Add	*939.03*	
		For Seamless Edge (Welded), Add	*89.86*	
		For Steel Stiffened, Add	*179.72*	
08 13 13 13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	814.79	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*216.93*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*289.24*	
		For Embossed Panel, Add	*173.54*	
		For Galvanized Steel, Add	*108.46*	
		For Baked Enamel Finish, Add	*271.95*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.03*	
		For >100, Deduct	*-63.40*	
		For 2" Thick Door, Add	*54.72*	
		For Insulated Door (Polystyrene Core), Add	*72.31*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*180.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	869.44	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*233.32*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*311.10*	
		For Embossed Panel, Add	*186.66*	
		For Galvanized Steel, Add	*116.66*	
		For Baked Enamel Finish, Add	*288.34*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-45.76*	
		For >100, Deduct	*-67.50*	
		For 2" Thick Door, Add	*58.68*	
		For Insulated Door (Polystyrene Core), Add	*77.77*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*194.44*	
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	894.29	47.76
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*239.63*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*319.50*	
		For Embossed Panel, Add	*191.70*	
		For Galvanized Steel, Add	*119.81*	
		For Baked Enamel Finish, Add	*296.95*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-47.10*	
		For >100, Deduct	*-69.46*	
		For 2" Thick Door, Add	*60.30*	
		For Insulated Door (Polystyrene Core), Add	*79.88*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*199.69*	
08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	986.01	51.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*264.85*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*353.14*	
		For Embossed Panel, Add	*211.88*	
		For Galvanized Steel, Add	*132.43*	
		For Baked Enamel Finish, Add	*326.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-51.88*	
		For >100, Deduct	*-76.53*	
		For 2" Thick Door, Add	*66.59*	
		For Insulated Door (Polystyrene Core), Add	*88.28*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*220.71*	

08 13 13 13-0093 7'-2" High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	790.13	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*211.82*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*282.42*	
		For Embossed Panel, Add	*169.45*	
		For Galvanized Steel, Add	*105.91*	
		For Baked Enamel Finish, Add	*262.26*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.61*	
		For >100, Deduct	*-61.36*	
		For 2" Thick Door, Add	*53.29*	
		For Insulated Door (Polystyrene Core), Add	*70.61*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*176.52*	
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	790.13	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*211.82*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*282.42*	
		For Embossed Panel, Add	*169.45*	
		For Galvanized Steel, Add	*105.91*	
		For Baked Enamel Finish, Add	*262.26*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.61*	
		For >100, Deduct	*-61.36*	
		For 2" Thick Door, Add	*53.29*	
		For Insulated Door (Polystyrene Core), Add	*70.61*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*176.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	808.38	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*216.15*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*288.20*	
		For Embossed Panel, Add	*172.92*	
		For Galvanized Steel, Add	*108.08*	
		For Baked Enamel Finish, Add	*268.88*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.62*	
		For >100, Deduct	*-62.83*	
		For 2" Thick Door, Add	*54.43*	
		For Insulated Door (Polystyrene Core), Add	*72.05*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*180.13*	
08 13 13 13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	819.13	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*219.38*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*292.50*	
		For Embossed Panel, Add	*175.50*	
		For Galvanized Steel, Add	*109.69*	
		For Baked Enamel Finish, Add	*272.10*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.15*	
		For >100, Deduct	*-63.63*	
		For 2" Thick Door, Add	*55.21*	
		For Insulated Door (Polystyrene Core), Add	*73.13*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*182.81*	
08 13 13 13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	825.36	44.89
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*220.67*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*294.22*	
		For Embossed Panel, Add	*176.53*	
		For Galvanized Steel, Add	*110.33*	
		For Baked Enamel Finish, Add	*274.55*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.51*	
		For >100, Deduct	*-64.15*	
		For 2" Thick Door, Add	*55.57*	
		For Insulated Door (Polystyrene Core), Add	*73.56*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*183.89*	
		For Type 304 Stainless Steel Door, Add	*592.94*	
		For Type 316 Stainless Steel Door, Add	*960.72*	
		For Seamless Edge (Welded), Add	*91.95*	
		For Steel Stiffened, Add	*183.89*	
08 13 13 13-0099	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	831.55	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*221.96*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*295.94*	
		For Embossed Panel, Add	*177.56*	
		For Galvanized Steel, Add	*110.98*	
		For Baked Enamel Finish, Add	*276.98*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.87*	
		For >100, Deduct	*-64.66*	
		For 2" Thick Door, Add	*55.93*	
		For Insulated Door (Polystyrene Core), Add	*73.99*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*184.96*	
08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	887.47	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*238.73*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*318.31*	
		For Embossed Panel, Add	*190.98*	
		For Galvanized Steel, Add	*119.37*	
		For Baked Enamel Finish, Add	*293.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-46.67*	
		For >100, Deduct	*-68.85*	
		For 2" Thick Door, Add	*59.99*	
		For Insulated Door (Polystyrene Core), Add	*79.58*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*198.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	912.81	47.76
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*245.18*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*326.91*	
		For Embossed Panel, Add	*196.15*	
		For Galvanized Steel, Add	*122.59*	
		For Baked Enamel Finish, Add	*302.50*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.03*	
		For >100, Deduct	*-70.85*	
		For 2" Thick Door, Add	*61.64*	
		For Insulated Door (Polystyrene Core), Add	*81.73*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*204.32*	
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	1,006.48	51.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*270.99*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*361.32*	
		For Embossed Panel, Add	*216.79*	
		For Galvanized Steel, Add	*135.50*	
		For Baked Enamel Finish, Add	*332.90*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-52.90*	
		For >100, Deduct	*-78.07*	
		For 2" Thick Door, Add	*68.07*	
		For Insulated Door (Polystyrene Core), Add	*90.33*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*225.83*	

08 13 13 13-0103 8' High, 16 Gauge, Unrated, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	922.08	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*251.40*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*335.20*	
		For Up To 1' Extra Height, Add	*231.88*	
		For Embossed Panel, Add	*201.12*	
		For Galvanized Steel, Add	*125.70*	
		For Baked Enamel Finish, Add	*301.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.21*	
		For >100, Deduct	*-71.26*	
		For 2" Thick Door, Add	*62.86*	
		For Insulated Door (Polystyrene Core), Add	*83.80*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*209.50*	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	922.08	42.03
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*251.40*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*335.20*	
		For Up To 1' Extra Height, Add	*231.88*	
		For Embossed Panel, Add	*201.12*	
		For Galvanized Steel, Add	*125.70*	
		For Baked Enamel Finish, Add	*301.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.21*	
		For >100, Deduct	*-71.26*	
		For 2" Thick Door, Add	*62.86*	
		For Insulated Door (Polystyrene Core), Add	*83.80*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*209.50*	
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	943.04	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*256.55*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*342.06*	
		For Up To 1' Extra Height, Add	*236.62*	
		For Embossed Panel, Add	*205.24*	
		For Galvanized Steel, Add	*128.27*	
		For Baked Enamel Finish, Add	*309.28*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-49.35*	
		For >100, Deduct	*-72.93*	
		For 2" Thick Door, Add	*64.20*	
		For Insulated Door (Polystyrene Core), Add	*85.52*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*213.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	955.80	43.94
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*260.38*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*347.17*	
		For Up To 1' Extra Height, Add	*240.15*	
		For Embossed Panel, Add	*208.30*	
		For Galvanized Steel, Add	*130.19*	
		For Baked Enamel Finish, Add	*313.10*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-49.99*	
		For >100, Deduct	*-73.88*	
		For 2" Thick Door, Add	*65.12*	
		For Insulated Door (Polystyrene Core), Add	*86.79*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*216.98*	
08 13 13 13-0108	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	962.82	44.89
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*261.91*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*349.21*	
		For Up To 1' Extra Height, Add	*241.56*	
		For Embossed Panel, Add	*209.52*	
		For Galvanized Steel, Add	*130.95*	
		For Baked Enamel Finish, Add	*315.79*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-50.39*	
		For >100, Deduct	*-74.46*	
		For 2" Thick Door, Add	*65.54*	
		For Insulated Door (Polystyrene Core), Add	*87.30*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*218.26*	
		For Type 304 Stainless Steel Door, Add	*702.91*	
		For Type 316 Stainless Steel Door, Add	*1,139.42*	
		For Seamless Edge (Welded), Add	*109.13*	
		For Steel Stiffened, Add	*218.26*	
08 13 13 13-0109	EA	3' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	969.82	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*263.44*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*351.25*	
		For Up To 1' Extra Height, Add	*242.98*	
		For Embossed Panel, Add	*210.75*	
		For Galvanized Steel, Add	*131.72*	
		For Baked Enamel Finish, Add	*318.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-50.78*	
		For >100, Deduct	*-75.03*	
		For 2" Thick Door, Add	*65.96*	
		For Insulated Door (Polystyrene Core), Add	*87.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*219.53*	
08 13 13 13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	1,036.20	45.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*283.35*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*377.80*	
		For Up To 1' Extra Height, Add	*261.34*	
		For Embossed Panel, Add	*226.68*	
		For Galvanized Steel, Add	*141.68*	
		For Baked Enamel Finish, Add	*338.37*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-54.10*	
		For >100, Deduct	*-80.01*	
		For 2" Thick Door, Add	*70.77*	
		For Insulated Door (Polystyrene Core), Add	*94.45*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*236.13*	
08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	1,065.56	47.76
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*291.01*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*388.01*	
		For Up To 1' Extra Height, Add	*268.41*	
		For 1' To 1'-6" Extra Height, Add	*512.08*	
		For Embossed Panel, Add	*232.81*	
		For Galvanized Steel, Add	*145.50*	
		For Baked Enamel Finish, Add	*348.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-55.67*	
		For >100, Deduct	*-82.31*	
		For 2" Thick Door, Add	*72.72*	
		For Insulated Door (Polystyrene Core), Add	*97.00*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*242.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	1,175.30	51.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*321.64*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*428.85*	
		For Up To 1' Extra Height, Add	*296.66*	
		For 1' To 1'-6" Extra Height, Add	*565.98*	
		For Embossed Panel, Add	*257.31*	
		For Galvanized Steel, Add	*160.82*	
		For Baked Enamel Finish, Add	*383.54*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-61.34*	
		For >100, Deduct	*-90.73*	
		For 2" Thick Door, Add	*80.31*	
		For Insulated Door (Polystyrene Core), Add	*107.21*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*268.03*	

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	207.83	42.03
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-17.69*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	207.83	42.03
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-17.69*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	220.42	43.94
		For >50 To 100, Deduct	*-13.22*	
		For >100, Deduct	*-18.73*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	226.87	43.94
		For >50 To 100, Deduct	*-13.54*	
		For >100, Deduct	*-19.21*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	228.38	43.94
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-19.33*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	232.97	45.85
		For >50 To 100, Deduct	*-13.94*	
		For >100, Deduct	*-19.77*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	246.76	45.85
		For >50 To 100, Deduct	*-14.63*	
		For >100, Deduct	*-20.80*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.51	47.76
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-21.93*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	215.05	42.03
		For >50 To 100, Deduct	*-12.85*	
		For >100, Deduct	*-18.23*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	215.05	42.03
		For >50 To 100, Deduct	*-12.85*	
		For >100, Deduct	*-18.23*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	228.14	43.94
		For >50 To 100, Deduct	*-13.60*	
		For >100, Deduct	*-19.31*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	234.97	43.94
		For >50 To 100, Deduct	*-13.95*	
		For >100, Deduct	*-19.82*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	236.57	43.94
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-19.94*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	241.18	45.85
		For >50 To 100, Deduct	*-14.35*	
		For >100, Deduct	*-20.38*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	255.78	45.85
		For >50 To 100, Deduct	*-15.08*	
		For >100, Deduct	*-21.48*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.11	47.76
		For >50 To 100, Deduct	*-15.89*	
		For >100, Deduct	*-22.65*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	240.59	42.03
		For >50 To 100, Deduct	*-14.13*	
		For >100, Deduct	*-20.15*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	240.59	42.03
		For >50 To 100, Deduct	*-14.13*	
		For >100, Deduct	*-20.15*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	255.50	43.94
		For >50 To 100, Deduct	*-14.97*	
		For >100, Deduct	*-21.36*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	263.64	43.94
		For >50 To 100, Deduct	*-15.38*	
		For >100, Deduct	*-21.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	265.56	43.94
		For >50 To 100, Deduct	*-15.48*	
		For >100, Deduct	*-22.11*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.32	45.85
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-22.57*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.77	45.85
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-23.88*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.14	47.76
		For >50 To 100, Deduct	*-17.60*	
		For >100, Deduct	*-25.20*	

08 14 16 00-0027 Oak Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	237.16	42.03
		For >50 To 100, Deduct	*-13.96*	
		For >100, Deduct	*-19.89*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	237.16	42.03
		For >50 To 100, Deduct	*-13.96*	
		For >100, Deduct	*-19.89*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	251.82	43.94
		For >50 To 100, Deduct	*-14.79*	
		For >100, Deduct	*-21.08*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	259.80	43.94
		For >50 To 100, Deduct	*-15.19*	
		For >100, Deduct	*-21.68*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	261.21	43.94
		For >50 To 100, Deduct	*-15.26*	
		For >100, Deduct	*-21.79*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	266.43	45.85
		For >50 To 100, Deduct	*-15.61*	
		For >100, Deduct	*-22.27*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	283.47	45.85
		For >50 To 100, Deduct	*-16.47*	
		For >100, Deduct	*-23.55*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	299.59	47.76
		For >50 To 100, Deduct	*-17.37*	
		For >100, Deduct	*-24.86*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	246.06	42.03
		For >50 To 100, Deduct	*-14.40*	
		For >100, Deduct	*-20.56*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	246.06	42.03
		For >50 To 100, Deduct	*-14.40*	
		For >100, Deduct	*-20.56*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	261.36	43.94
		For >50 To 100, Deduct	*-15.27*	
		For >100, Deduct	*-21.80*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	269.80	43.94
		For >50 To 100, Deduct	*-15.69*	
		For >100, Deduct	*-22.43*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	271.29	43.94
		For >50 To 100, Deduct	*-15.76*	
		For >100, Deduct	*-22.54*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	276.59	45.85
		For >50 To 100, Deduct	*-16.12*	
		For >100, Deduct	*-23.04*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	294.63	45.85
		For >50 To 100, Deduct	*-17.02*	
		For >100, Deduct	*-24.39*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	311.46	47.76
		For >50 To 100, Deduct	*-17.96*	
		For >100, Deduct	*-25.75*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	277.66	42.03
		For >50 To 100, Deduct	*-15.98*	
		For >100, Deduct	*-22.93*	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	277.66	42.03
		For >50 To 100, Deduct	*-15.98*	
		For >100, Deduct	*-22.93*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	295.19	43.94
		For >50 To 100, Deduct	*-16.96*	
		For >100, Deduct	*-24.34*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	305.27	43.94
		For >50 To 100, Deduct	*-17.46*	
		For >100, Deduct	*-25.09*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	307.06	43.94
		For >50 To 100, Deduct	*-17.55*	
		For >100, Deduct	*-25.23*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	312.64	45.85
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.74*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	334.21	45.85
		For >50 To 100, Deduct	*-19.00*	
		For >100, Deduct	*-27.36*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	353.57	47.76
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-28.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0052		**Maple Faced Wood Door** *(08 14 16 00-0001)*		
08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	267.78	42.03
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-22.19*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	267.78	42.03
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-22.19*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	284.59	43.94
		For >50 To 100, Deduct	*-16.43*	
		For >100, Deduct	*-23.54*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	294.19	43.94
		For >50 To 100, Deduct	*-16.91*	
		For >100, Deduct	*-24.26*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	295.88	43.94
		For >50 To 100, Deduct	*-16.99*	
		For >100, Deduct	*-24.39*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	301.39	45.85
		For >50 To 100, Deduct	*-17.36*	
		For >100, Deduct	*-24.90*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	321.83	45.85
		For >50 To 100, Deduct	*-18.38*	
		For >100, Deduct	*-26.43*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	340.40	47.76
		For >50 To 100, Deduct	*-19.41*	
		For >100, Deduct	*-27.92*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	278.45	42.03
		For >50 To 100, Deduct	*-16.02*	
		For >100, Deduct	*-22.99*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	278.45	42.03
		For >50 To 100, Deduct	*-16.02*	
		For >100, Deduct	*-22.99*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	296.06	43.94
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-24.40*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	306.19	43.94
		For >50 To 100, Deduct	*-17.51*	
		For >100, Deduct	*-25.16*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	307.98	43.94
		For >50 To 100, Deduct	*-17.60*	
		For >100, Deduct	*-25.30*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	313.56	45.85
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.81*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	335.21	45.85
		For >50 To 100, Deduct	*-19.05*	
		For >100, Deduct	*-27.43*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	354.65	47.76
		For >50 To 100, Deduct	*-20.12*	
		For >100, Deduct	*-28.99*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	316.37	42.03
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.83*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	316.37	42.03
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.83*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	336.64	43.94
		For >50 To 100, Deduct	*-19.03*	
		For >100, Deduct	*-27.45*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.74	43.94
		For >50 To 100, Deduct	*-19.63*	
		For >100, Deduct	*-28.35*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.89	43.94
		For >50 To 100, Deduct	*-19.74*	
		For >100, Deduct	*-28.51*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	356.83	45.85
		For >50 To 100, Deduct	*-20.13*	
		For >100, Deduct	*-29.05*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	382.73	45.85
		For >50 To 100, Deduct	*-21.43*	
		For >100, Deduct	*-31.00*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	405.18	47.76
		For >50 To 100, Deduct	*-22.65*	
		For >100, Deduct	*-32.78*	
08 14 16 00-0077		**Lauan Faced Wood Doors** *(08 14 16 00-0001)*		
08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	176.62	42.03
		For >50 To 100, Deduct	*-10.93*	
		For >100, Deduct	*-15.35*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	176.62	42.03
		For >50 To 100, Deduct	*-10.93*	
		For >100, Deduct	*-15.35*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	186.70	43.94
		For >50 To 100, Deduct	*-11.53*	
		For >100, Deduct	*-16.20*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	191.99	43.94
		For >50 To 100, Deduct	*-11.80*	
		For >100, Deduct	*-16.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	193.86	43.94
		For >50 To 100, Deduct	*-11.89*	
		For >100, Deduct	*-16.74*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	199.55	45.85
		For >50 To 100, Deduct	*-12.27*	
		For >100, Deduct	*-17.26*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	209.86	45.85
		For >50 To 100, Deduct	*-12.79*	
		For >100, Deduct	*-18.03*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	221.26	47.76
		For >50 To 100, Deduct	*-13.45*	
		For >100, Deduct	*-18.98*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	182.00	42.03
		For >50 To 100, Deduct	*-11.20*	
		For >100, Deduct	*-15.75*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	181.99	42.03
		For >50 To 100, Deduct	*-11.20*	
		For >100, Deduct	*-15.75*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	192.45	43.94
		For >50 To 100, Deduct	*-11.82*	
		For >100, Deduct	*-16.63*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	198.05	43.94
		For >50 To 100, Deduct	*-12.10*	
		For >100, Deduct	*-17.05*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	200.03	43.94
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-17.20*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	205.82	45.85
		For >50 To 100, Deduct	*-12.58*	
		For >100, Deduct	*-17.73*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	216.74	45.85
		For >50 To 100, Deduct	*-13.13*	
		For >100, Deduct	*-18.55*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.57	47.76
		For >50 To 100, Deduct	*-13.82*	
		For >100, Deduct	*-19.53*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	201.10	42.03
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-17.18*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	201.08	42.03
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-17.18*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	212.85	43.94
		For >50 To 100, Deduct	*-12.84*	
		For >100, Deduct	*-18.16*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	219.53	43.94
		For >50 To 100, Deduct	*-13.17*	
		For >100, Deduct	*-18.66*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	221.90	43.94
		For >50 To 100, Deduct	*-13.29*	
		For >100, Deduct	*-18.84*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.08	45.85
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.40*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.13	45.85
		For >50 To 100, Deduct	*-14.35*	
		For >100, Deduct	*-20.38*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.50	47.76
		For >50 To 100, Deduct	*-15.11*	
		For >100, Deduct	*-21.48*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	179.13	42.03
		For >50 To 100, Deduct	*-11.06*	
		For >100, Deduct	*-15.54*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	179.13	42.03
		For >50 To 100, Deduct	*-11.06*	
		For >100, Deduct	*-15.54*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	189.87	43.94
		For >50 To 100, Deduct	*-11.69*	
		For >100, Deduct	*-16.44*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	193.14	43.94
		For >50 To 100, Deduct	*-11.85*	
		For >100, Deduct	*-16.68*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	196.45	43.94
		For >50 To 100, Deduct	*-12.02*	
		For >100, Deduct	*-16.93*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	203.54	45.85
		For >50 To 100, Deduct	*-12.47*	
		For >100, Deduct	*-17.56*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	215.85	45.85
		For >50 To 100, Deduct	*-13.09*	
		For >100, Deduct	*-18.48*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	227.61	47.76
		For >50 To 100, Deduct	*-13.77*	
		For >100, Deduct	*-19.46*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	184.65	42.03
		For >50 To 100, Deduct	*-11.33*	
		For >100, Deduct	*-15.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	184.65	42.03
		For >50 To 100, Deduct	*-11.33*	
		For >100, Deduct	*-15.95*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	195.80	43.94
		For >50 To 100, Deduct	*-11.99*	
		For >100, Deduct	*-16.88*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	199.28	43.94
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-17.14*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	202.77	43.94
		For >50 To 100, Deduct	*-12.34*	
		For >100, Deduct	*-17.40*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	210.06	45.85
		For >50 To 100, Deduct	*-12.80*	
		For >100, Deduct	*-18.05*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	223.08	45.85
		For >50 To 100, Deduct	*-13.45*	
		For >100, Deduct	*-19.02*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	235.30	47.76
		For >50 To 100, Deduct	*-14.15*	
		For >100, Deduct	*-20.04*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	204.25	42.03
		For >50 To 100, Deduct	*-12.31*	
		For >100, Deduct	*-17.42*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	204.28	42.03
		For >50 To 100, Deduct	*-12.32*	
		For >100, Deduct	*-17.42*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	216.84	43.94
		For >50 To 100, Deduct	*-13.04*	
		For >100, Deduct	*-18.46*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	221.01	43.94
		For >50 To 100, Deduct	*-13.25*	
		For >100, Deduct	*-18.77*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	225.18	43.94
		For >50 To 100, Deduct	*-13.46*	
		For >100, Deduct	*-19.09*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.14	45.85
		For >50 To 100, Deduct	*-13.95*	
		For >100, Deduct	*-19.78*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	248.70	45.85
		For >50 To 100, Deduct	*-14.73*	
		For >100, Deduct	*-20.95*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	262.56	47.76
		For >50 To 100, Deduct	*-15.52*	
		For >100, Deduct	*-22.08*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	238.77	42.03
		For >50 To 100, Deduct	*-14.04*	
		For >100, Deduct	*-20.01*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	238.77	42.03
		For >50 To 100, Deduct	*-14.04*	
		For >100, Deduct	*-20.01*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	248.41	43.94
		For >50 To 100, Deduct	*-14.62*	
		For >100, Deduct	*-20.83*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	250.59	43.94
		For >50 To 100, Deduct	*-14.73*	
		For >100, Deduct	*-20.99*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	255.35	43.94
		For >50 To 100, Deduct	*-14.96*	
		For >100, Deduct	*-21.35*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	263.93	45.85
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-22.09*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.18	45.85
		For >50 To 100, Deduct	*-16.75*	
		For >100, Deduct	*-23.98*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	344.26	47.76
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-28.21*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	356.70	47.76
		For >50 To 100, Deduct	*-20.22*	
		For >100, Deduct	*-29.14*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	381.57	47.76
		For >50 To 100, Deduct	*-21.47*	
		For >100, Deduct	*-31.01*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	247.78	42.03
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-20.69*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	247.78	42.03
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-20.69*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	257.75	43.94
		For >50 To 100, Deduct	*-15.08*	
		For >100, Deduct	*-21.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.06	43.94
		For >50 To 100, Deduct	*-15.20*	
		For >100, Deduct	*-21.70*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	265.10	43.94
		For >50 To 100, Deduct	*-15.45*	
		For >100, Deduct	*-22.08*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	273.94	45.85
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-22.84*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.67	45.85
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-24.84*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	358.75	47.76
		For >50 To 100, Deduct	*-20.33*	
		For >100, Deduct	*-29.29*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	371.90	47.76
		For >50 To 100, Deduct	*-20.98*	
		For >100, Deduct	*-30.28*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	398.22	47.76
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-32.25*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	279.71	42.03
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-23.08*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	279.71	42.03
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-23.08*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	290.89	43.94
		For >50 To 100, Deduct	*-16.74*	
		For >100, Deduct	*-24.01*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	293.63	43.94
		For >50 To 100, Deduct	*-16.88*	
		For >100, Deduct	*-24.22*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	299.66	43.94
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-24.67*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.47	45.85
		For >50 To 100, Deduct	*-17.77*	
		For >100, Deduct	*-25.50*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	341.43	45.85
		For >50 To 100, Deduct	*-19.36*	
		For >100, Deduct	*-27.90*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	410.07	47.76
		For >50 To 100, Deduct	*-22.89*	
		For >100, Deduct	*-33.14*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	425.78	47.76
		For >50 To 100, Deduct	*-23.68*	
		For >100, Deduct	*-34.32*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	457.25	47.76
		For >50 To 100, Deduct	*-25.25*	
		For >100, Deduct	*-36.68*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	287.64	42.03
		For >50 To 100, Deduct	*-16.48*	
		For >100, Deduct	*-23.67*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	287.64	42.03
		For >50 To 100, Deduct	*-16.48*	
		For >100, Deduct	*-23.67*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	299.10	43.94
		For >50 To 100, Deduct	*-17.15*	
		For >100, Deduct	*-24.63*	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	301.97	43.94
		For >50 To 100, Deduct	*-17.30*	
		For >100, Deduct	*-24.84*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	308.24	43.94
		For >50 To 100, Deduct	*-17.61*	
		For >100, Deduct	*-25.32*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	318.30	45.85
		For >50 To 100, Deduct	*-18.21*	
		For >100, Deduct	*-26.17*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	351.54	45.85
		For >50 To 100, Deduct	*-19.87*	
		For >100, Deduct	*-28.66*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	422.81	47.76
		For >50 To 100, Deduct	*-23.53*	
		For >100, Deduct	*-34.10*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	439.19	47.76
		For >50 To 100, Deduct	*-24.35*	
		For >100, Deduct	*-35.33*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	471.94	47.76
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-37.78*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	299.48	42.03
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.56*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	299.49	42.03
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	311.39	43.94
		For >50 To 100, Deduct	*-17.77*	
		For >100, Deduct	*-25.55*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	314.43	43.94
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.78*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	321.05	43.94
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-26.28*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	331.48	45.85
		For >50 To 100, Deduct	*-18.87*	
		For >100, Deduct	*-27.15*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	366.66	45.85
		For >50 To 100, Deduct	*-20.63*	
		For >100, Deduct	*-29.79*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	441.86	47.76
		For >50 To 100, Deduct	*-24.48*	
		For >100, Deduct	*-35.53*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	459.20	47.76
		For >50 To 100, Deduct	*-25.35*	
		For >100, Deduct	*-36.83*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	493.84	47.76
		For >50 To 100, Deduct	*-27.08*	
		For >100, Deduct	*-39.43*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	341.48	42.03
		For >50 To 100, Deduct	*-19.18*	
		For >100, Deduct	*-27.71*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	341.50	42.03
		For >50 To 100, Deduct	*-19.18*	
		For >100, Deduct	*-27.71*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	354.98	43.94
		For >50 To 100, Deduct	*-19.95*	
		For >100, Deduct	*-28.82*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.59	43.94
		For >50 To 100, Deduct	*-20.13*	
		For >100, Deduct	*-29.09*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	366.52	43.94
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-29.69*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	378.25	45.85
		For >50 To 100, Deduct	*-21.21*	
		For >100, Deduct	*-30.66*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	420.29	45.85
		For >50 To 100, Deduct	*-23.31*	
		For >100, Deduct	*-33.81*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	509.40	47.76
		For >50 To 100, Deduct	*-27.86*	
		For >100, Deduct	*-40.59*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	530.13	47.76
		For >50 To 100, Deduct	*-28.89*	
		For >100, Deduct	*-42.15*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	571.53	47.76
		For >50 To 100, Deduct	*-30.96*	
		For >100, Deduct	*-45.25*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.35	42.03
		For >50 To 100, Deduct	*-18.52*	
		For >100, Deduct	*-26.73*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.35	42.03
		For >50 To 100, Deduct	*-18.52*	
		For >100, Deduct	*-26.73*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	341.34	43.94
		For >50 To 100, Deduct	*-19.26*	
		For >100, Deduct	*-27.80*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	344.93	43.94
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-28.07*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	352.37	43.94
		For >50 To 100, Deduct	*-19.82*	
		For >100, Deduct	*-28.62*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	363.61	45.85
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-29.56*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	403.50	45.85
		For >50 To 100, Deduct	*-22.47*	
		For >100, Deduct	*-32.56*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	468.74	47.76
		For >50 To 100, Deduct	*-25.83*	
		For >100, Deduct	*-37.54*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	507.92	47.76
		For >50 To 100, Deduct	*-27.78*	
		For >100, Deduct	*-40.48*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	547.22	47.76
		For >50 To 100, Deduct	*-29.75*	
		For >100, Deduct	*-43.43*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	342.58	42.03
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-27.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	342.58	42.03
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-27.80*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	356.08	43.94
		For >50 To 100, Deduct	*-20.00*	
		For >100, Deduct	*-28.90*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	359.90	43.94
		For >50 To 100, Deduct	*-20.19*	
		For >100, Deduct	*-29.19*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.75	43.94
		For >50 To 100, Deduct	*-20.58*	
		For >100, Deduct	*-29.78*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	379.43	45.85
		For >50 To 100, Deduct	*-21.26*	
		For >100, Deduct	*-30.75*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	421.64	45.85
		For >50 To 100, Deduct	*-23.37*	
		For >100, Deduct	*-33.92*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	490.36	47.76
		For >50 To 100, Deduct	*-26.91*	
		For >100, Deduct	*-39.17*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	531.94	47.76
		For >50 To 100, Deduct	*-28.99*	
		For >100, Deduct	*-42.28*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	573.50	47.76
		For >50 To 100, Deduct	*-31.06*	
		For >100, Deduct	*-45.40*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.98	42.03
		For >50 To 100, Deduct	*-21.75*	
		For >100, Deduct	*-31.58*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.98	42.03
		For >50 To 100, Deduct	*-21.75*	
		For >100, Deduct	*-31.58*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	408.38	43.94
		For >50 To 100, Deduct	*-22.62*	
		For >100, Deduct	*-32.83*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.94	43.94
		For >50 To 100, Deduct	*-22.84*	
		For >100, Deduct	*-33.17*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	422.30	43.94
		For >50 To 100, Deduct	*-23.31*	
		For >100, Deduct	*-33.87*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.54	45.85
		For >50 To 100, Deduct	*-24.07*	
		For >100, Deduct	*-34.96*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	485.97	45.85
		For >50 To 100, Deduct	*-26.59*	
		For >100, Deduct	*-38.74*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	567.38	47.76
		For >50 To 100, Deduct	*-30.76*	
		For >100, Deduct	*-44.94*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	617.04	47.76
		For >50 To 100, Deduct	*-33.24*	
		For >100, Deduct	*-48.67*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	666.73	47.76
		For >50 To 100, Deduct	*-35.72*	
		For >100, Deduct	*-52.39*	

08 14 16 00-0221 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	201.64	42.03
		For >50 To 100, Deduct	*-12.18*	
		For >100, Deduct	*-17.22*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	201.64	42.03
		For >50 To 100, Deduct	*-12.18*	
		For >100, Deduct	*-17.22*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	213.54	43.94
		For >50 To 100, Deduct	*-12.87*	
		For >100, Deduct	*-18.21*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	220.11	43.94
		For >50 To 100, Deduct	*-13.20*	
		For >100, Deduct	*-18.71*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	221.42	43.94
		For >50 To 100, Deduct	*-13.27*	
		For >100, Deduct	*-18.80*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	226.54	45.85
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-19.28*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.36	45.85
		For >50 To 100, Deduct	*-14.36*	
		For >100, Deduct	*-20.39*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.30	47.76
		For >50 To 100, Deduct	*-15.60*	
		For >100, Deduct	*-22.21*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.72	47.76
		For >50 To 100, Deduct	*-16.02*	
		For >100, Deduct	*-22.84*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	289.61	47.76
		For >50 To 100, Deduct	*-16.87*	
		For >100, Deduct	*-24.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	208.47	42.03
		For >50 To 100, Deduct	*-12.53*	
		For >100, Deduct	*-17.74*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	208.47	42.03
		For >50 To 100, Deduct	*-12.53*	
		For >100, Deduct	*-17.74*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	220.86	43.94
		For >50 To 100, Deduct	*-13.24*	
		For >100, Deduct	*-18.76*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	227.82	43.94
		For >50 To 100, Deduct	*-13.59*	
		For >100, Deduct	*-19.28*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	229.20	43.94
		For >50 To 100, Deduct	*-13.66*	
		For >100, Deduct	*-19.39*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	234.39	45.85
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-19.87*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	250.08	45.85
		For >50 To 100, Deduct	*-14.80*	
		For >100, Deduct	*-21.05*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	274.11	47.76
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-22.95*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	283.03	47.76
		For >50 To 100, Deduct	*-16.54*	
		For >100, Deduct	*-23.62*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	300.89	47.76
		For >50 To 100, Deduct	*-17.43*	
		For >100, Deduct	*-24.96*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	232.73	42.03
		For >50 To 100, Deduct	*-13.74*	
		For >100, Deduct	*-19.56*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	232.73	42.03
		For >50 To 100, Deduct	*-13.74*	
		For >100, Deduct	*-19.56*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	246.78	43.94
		For >50 To 100, Deduct	*-14.54*	
		For >100, Deduct	*-20.71*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	255.09	43.94
		For >50 To 100, Deduct	*-14.95*	
		For >100, Deduct	*-21.33*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.75	43.94
		For >50 To 100, Deduct	*-15.03*	
		For >100, Deduct	*-21.45*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.21	45.85
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-21.96*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.97	45.85
		For >50 To 100, Deduct	*-16.34*	
		For >100, Deduct	*-23.37*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	308.93	47.76
		For >50 To 100, Deduct	*-17.83*	
		For >100, Deduct	*-25.56*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	319.60	47.76
		For >50 To 100, Deduct	*-18.37*	
		For >100, Deduct	*-26.36*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	340.93	47.76
		For >50 To 100, Deduct	*-19.43*	
		For >100, Deduct	*-27.96*	

08 14 16 00-0252 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	202.49	42.03
		For >50 To 100, Deduct	*-12.23*	
		For >100, Deduct	*-17.29*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	202.51	42.03
		For >50 To 100, Deduct	*-12.23*	
		For >100, Deduct	*-17.29*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	209.60	43.94
		For >50 To 100, Deduct	*-12.68*	
		For >100, Deduct	*-17.92*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	216.20	43.94
		For >50 To 100, Deduct	*-13.01*	
		For >100, Deduct	*-18.41*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	219.50	43.94
		For >50 To 100, Deduct	*-13.17*	
		For >100, Deduct	*-18.66*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.57	45.85
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-19.29*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	234.09	45.85
		For >50 To 100, Deduct	*-14.00*	
		For >100, Deduct	*-19.85*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	262.38	47.76
		For >50 To 100, Deduct	*-15.51*	
		For >100, Deduct	*-22.07*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	270.72	47.76
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-22.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	287.43	47.76
		For >50 To 100, Deduct	*-16.76*	
		For >100, Deduct	*-23.95*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	209.39	42.03
		For >50 To 100, Deduct	*-12.57*	
		For >100, Deduct	*-17.81*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	209.40	42.03
		For >50 To 100, Deduct	*-12.57*	
		For >100, Deduct	*-17.81*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	216.67	43.94
		For >50 To 100, Deduct	*-13.03*	
		For >100, Deduct	*-18.45*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	223.66	43.94
		For >50 To 100, Deduct	*-13.38*	
		For >100, Deduct	*-18.97*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	227.15	43.94
		For >50 To 100, Deduct	*-13.55*	
		For >100, Deduct	*-19.23*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	234.43	45.85
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-19.87*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	242.39	45.85
		For >50 To 100, Deduct	*-14.41*	
		For >100, Deduct	*-20.47*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	272.11	47.76
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-22.80*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	280.93	47.76
		For >50 To 100, Deduct	*-16.43*	
		For >100, Deduct	*-23.46*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	298.59	47.76
		For >50 To 100, Deduct	*-17.32*	
		For >100, Deduct	*-24.78*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.83	42.03
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.64*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.83	42.03
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.64*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	241.79	43.94
		For >50 To 100, Deduct	*-14.29*	
		For >100, Deduct	*-20.33*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	250.13	43.94
		For >50 To 100, Deduct	*-14.70*	
		For >100, Deduct	*-20.96*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	254.30	43.94
		For >50 To 100, Deduct	*-14.91*	
		For >100, Deduct	*-21.27*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	262.26	45.85
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-21.96*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	271.78	45.85
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.68*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	306.55	47.76
		For >50 To 100, Deduct	*-17.72*	
		For >100, Deduct	*-25.38*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	317.09	47.76
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-26.17*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	338.20	47.76
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-27.75*	

08 14 16 00-0283 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0284 Birch Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0285	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	241.66	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.15*	
		For Stave Lumber Core (SLC), Add	*118.19*	
		For Structural Composite Lumber Core (SCLC), Add	*70.92*	
		For >50 To 100, Deduct	*-14.18*	
		For >100, Deduct	*-20.23*	
08 14 16 00-0286	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	241.69	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.15*	
		For Stave Lumber Core (SLC), Add	*118.22*	
		For Structural Composite Lumber Core (SCLC), Add	*70.93*	
		For >50 To 100, Deduct	*-14.19*	
		For >100, Deduct	*-20.23*	
08 14 16 00-0287	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	253.76	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.32*	
		For Stave Lumber Core (SLC), Add	*124.41*	
		For Structural Composite Lumber Core (SCLC), Add	*74.65*	
		For >50 To 100, Deduct	*-14.89*	
		For >100, Deduct	*-21.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0288	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	262.03	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.48*	
		For Stave Lumber Core (SLC), Add	*130.61*	
		For Structural Composite Lumber Core (SCLC), Add	*78.37*	
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-21.85*	
08 14 16 00-0289	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	267.07	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.58*	
		For Stave Lumber Core (SLC), Add	*134.39*	
		For Structural Composite Lumber Core (SCLC), Add	*80.64*	
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-22.23*	
08 14 16 00-0290	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	275.95	45.85
		For 7 Ply Cold Press Construction, Deduct	*-3.69*	
		For Stave Lumber Core (SLC), Add	*138.19*	
		For Structural Composite Lumber Core (SCLC), Add	*82.91*	
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-22.99*	
08 14 16 00-0291	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	296.17	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.35*	
		For Structural Composite Lumber Core (SCLC), Add	*92.01*	
		For >50 To 100, Deduct	*-17.10*	
		For >100, Deduct	*-24.51*	
08 14 16 00-0292	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	313.07	47.76
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.16*	
		For Structural Composite Lumber Core (SCLC), Add	*97.89*	
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.87*	
08 14 16 00-0293	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	250.84	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.34*	
		For Stave Lumber Core (SLC), Add	*125.08*	
		For Structural Composite Lumber Core (SCLC), Add	*75.05*	
		For >50 To 100, Deduct	*-14.64*	
		For >100, Deduct	*-20.91*	
08 14 16 00-0294	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	250.85	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.34*	
		For Stave Lumber Core (SLC), Add	*125.09*	
		For Structural Composite Lumber Core (SCLC), Add	*75.05*	
		For >50 To 100, Deduct	*-14.64*	
		For >100, Deduct	*-20.92*	
08 14 16 00-0295	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	263.41	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.51*	
		For Stave Lumber Core (SLC), Add	*131.65*	
		For Structural Composite Lumber Core (SCLC), Add	*78.99*	
		For >50 To 100, Deduct	*-15.37*	
		For >100, Deduct	*-21.95*	
08 14 16 00-0296	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	272.17	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.69*	
		For Stave Lumber Core (SLC), Add	*138.22*	
		For Structural Composite Lumber Core (SCLC), Add	*82.93*	
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-22.61*	
08 14 16 00-0297	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	277.51	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.79*	
		For Stave Lumber Core (SLC), Add	*142.22*	
		For Structural Composite Lumber Core (SCLC), Add	*85.33*	
		For >50 To 100, Deduct	*-16.07*	
		For >100, Deduct	*-23.01*	
08 14 16 00-0298	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	286.67	45.85
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.23*	
		For Structural Composite Lumber Core (SCLC), Add	*87.74*	
		For >50 To 100, Deduct	*-16.63*	
		For >100, Deduct	*-23.79*	
08 14 16 00-0299	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	308.07	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.33*	
		For Stave Lumber Core (SLC), Add	*162.28*	
		For Structural Composite Lumber Core (SCLC), Add	*97.37*	
		For >50 To 100, Deduct	*-17.70*	
		For >100, Deduct	*-25.40*	
08 14 16 00-0300	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	325.73	47.76
		For 7 Ply Cold Press Construction, Deduct	*-4.60*	
		For Stave Lumber Core (SLC), Add	*172.65*	
		For Structural Composite Lumber Core (SCLC), Add	*103.59*	
		For >50 To 100, Deduct	*-18.67*	
		For >100, Deduct	*-26.82*	
08 14 16 00-0301	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	283.37	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.48*	
		For Structural Composite Lumber Core (SCLC), Add	*89.69*	
		For >50 To 100, Deduct	*-16.27*	
		For >100, Deduct	*-23.35*	
08 14 16 00-0302	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	283.37	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.48*	
		For Structural Composite Lumber Core (SCLC), Add	*89.69*	
		For >50 To 100, Deduct	*-16.27*	
		For >100, Deduct	*-23.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0303	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	297.64	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.20*	
		For Stave Lumber Core (SLC), Add	*157.32*	
		For Structural Composite Lumber Core (SCLC), Add	*94.39*	
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.52*	
08 14 16 00-0304	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	308.11	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.40*	
		For Stave Lumber Core (SLC), Add	*165.17*	
		For Structural Composite Lumber Core (SCLC), Add	*99.10*	
		For >50 To 100, Deduct	*-17.60*	
		For >100, Deduct	*-25.31*	
08 14 16 00-0305	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	314.48	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.53*	
		For Stave Lumber Core (SLC), Add	*169.95*	
		For Structural Composite Lumber Core (SCLC), Add	*101.97*	
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.78*	
08 14 16 00-0306	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	324.70	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.66*	
		For Stave Lumber Core (SLC), Add	*174.75*	
		For Structural Composite Lumber Core (SCLC), Add	*104.85*	
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-26.65*	
08 14 16 00-0307	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	350.26	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.92*	
		For Structural Composite Lumber Core (SCLC), Add	*116.35*	
		For >50 To 100, Deduct	*-19.81*	
		For >100, Deduct	*-28.56*	
08 14 16 00-0308	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	370.62	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.50*	
		For Stave Lumber Core (SLC), Add	*206.32*	
		For Structural Composite Lumber Core (SCLC), Add	*123.79*	
		For >50 To 100, Deduct	*-20.92*	
		For >100, Deduct	*-30.18*	

08 14 16 00-0309 Oak Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0310	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	278.53	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.89*	
		For Stave Lumber Core (SLC), Add	*145.85*	
		For Structural Composite Lumber Core (SCLC), Add	*87.51*	
		For >50 To 100, Deduct	*-16.03*	
		For >100, Deduct	*-22.99*	
08 14 16 00-0311	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	278.53	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.89*	
		For Stave Lumber Core (SLC), Add	*145.85*	
		For Structural Composite Lumber Core (SCLC), Add	*87.51*	
		For >50 To 100, Deduct	*-16.03*	
		For >100, Deduct	*-22.99*	
08 14 16 00-0312	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	292.58	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.53*	
		For Structural Composite Lumber Core (SCLC), Add	*92.12*	
		For >50 To 100, Deduct	*-16.83*	
		For >100, Deduct	*-24.14*	
08 14 16 00-0313	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	302.79	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.30*	
		For Stave Lumber Core (SLC), Add	*161.18*	
		For Structural Composite Lumber Core (SCLC), Add	*96.71*	
		For >50 To 100, Deduct	*-17.34*	
		For >100, Deduct	*-24.91*	
08 14 16 00-0314	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	309.00	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.42*	
		For Stave Lumber Core (SLC), Add	*165.84*	
		For Structural Composite Lumber Core (SCLC), Add	*99.50*	
		For >50 To 100, Deduct	*-17.65*	
		For >100, Deduct	*-25.37*	
08 14 16 00-0315	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	319.07	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.55*	
		For Stave Lumber Core (SLC), Add	*170.53*	
		For Structural Composite Lumber Core (SCLC), Add	*102.32*	
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-26.22*	
08 14 16 00-0316	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	344.01	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.05*	
		For Stave Lumber Core (SLC), Add	*189.23*	
		For Structural Composite Lumber Core (SCLC), Add	*113.54*	
		For >50 To 100, Deduct	*-19.49*	
		For >100, Deduct	*-28.09*	
08 14 16 00-0317	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	363.96	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.32*	
		For Structural Composite Lumber Core (SCLC), Add	*120.79*	
		For >50 To 100, Deduct	*-20.59*	
		For >100, Deduct	*-29.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0318	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	289.84	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.12*	
		For Stave Lumber Core (SLC), Add	*154.33*	
		For Structural Composite Lumber Core (SCLC), Add	*92.60*	
		For >50 To 100, Deduct	*-16.59*	
		For >100, Deduct	*-23.84*	
08 14 16 00-0319	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	289.84	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.12*	
		For Stave Lumber Core (SLC), Add	*154.33*	
		For Structural Composite Lumber Core (SCLC), Add	*92.60*	
		For >50 To 100, Deduct	*-16.59*	
		For >100, Deduct	*-23.84*	
08 14 16 00-0320	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	304.50	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.33*	
		For Stave Lumber Core (SLC), Add	*162.47*	
		For Structural Composite Lumber Core (SCLC), Add	*97.48*	
		For >50 To 100, Deduct	*-17.42*	
		For >100, Deduct	*-25.03*	
08 14 16 00-0321	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	315.30	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.55*	
		For Stave Lumber Core (SLC), Add	*170.57*	
		For Structural Composite Lumber Core (SCLC), Add	*102.34*	
		For >50 To 100, Deduct	*-17.96*	
		For >100, Deduct	*-25.84*	
08 14 16 00-0322	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	321.87	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.68*	
		For Stave Lumber Core (SLC), Add	*175.49*	
		For Structural Composite Lumber Core (SCLC), Add	*105.30*	
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-26.34*	
08 14 16 00-0323	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	332.29	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.81*	
		For Stave Lumber Core (SLC), Add	*180.44*	
		For Structural Composite Lumber Core (SCLC), Add	*108.27*	
		For >50 To 100, Deduct	*-18.91*	
		For >100, Deduct	*-27.21*	
08 14 16 00-0324	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	358.70	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.34*	
		For Stave Lumber Core (SLC), Add	*200.25*	
		For Structural Composite Lumber Core (SCLC), Add	*120.15*	
		For >50 To 100, Deduct	*-20.23*	
		For >100, Deduct	*-29.20*	
08 14 16 00-0325	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	379.60	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.68*	
		For Stave Lumber Core (SLC), Add	*213.05*	
		For Structural Composite Lumber Core (SCLC), Add	*127.83*	
		For >50 To 100, Deduct	*-21.37*	
		For >100, Deduct	*-30.86*	
08 14 16 00-0326	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	329.96	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.92*	
		For Stave Lumber Core (SLC), Add	*184.42*	
		For Structural Composite Lumber Core (SCLC), Add	*110.65*	
		For >50 To 100, Deduct	*-18.60*	
		For >100, Deduct	*-26.85*	
08 14 16 00-0327	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	329.96	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.92*	
		For Stave Lumber Core (SLC), Add	*184.42*	
		For Structural Composite Lumber Core (SCLC), Add	*110.65*	
		For >50 To 100, Deduct	*-18.60*	
		For >100, Deduct	*-26.85*	
08 14 16 00-0328	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	346.74	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.18*	
		For Stave Lumber Core (SLC), Add	*194.15*	
		For Structural Composite Lumber Core (SCLC), Add	*116.49*	
		For >50 To 100, Deduct	*-19.53*	
		For >100, Deduct	*-28.20*	
08 14 16 00-0329	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	359.64	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.44*	
		For Stave Lumber Core (SLC), Add	*203.82*	
		For Structural Composite Lumber Core (SCLC), Add	*122.29*	
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-29.17*	
08 14 16 00-0330	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	367.49	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.59*	
		For Stave Lumber Core (SLC), Add	*209.71*	
		For Structural Composite Lumber Core (SCLC), Add	*125.82*	
		For >50 To 100, Deduct	*-20.57*	
		For >100, Deduct	*-29.76*	
08 14 16 00-0331	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	379.22	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.75*	
		For Stave Lumber Core (SLC), Add	*215.64*	
		For Structural Composite Lumber Core (SCLC), Add	*129.38*	
		For >50 To 100, Deduct	*-21.25*	
		For >100, Deduct	*-30.73*	
08 14 16 00-0332	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	410.77	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.38*	
		For Stave Lumber Core (SLC), Add	*239.30*	
		For Structural Composite Lumber Core (SCLC), Add	*143.58*	
		For >50 To 100, Deduct	*-22.83*	
		For >100, Deduct	*-33.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0333	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	434.99	47.76
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.60*	
		For Structural Composite Lumber Core (SCLC), Add	*152.76*	
		For >50 To 100, Deduct	*-24.14*	
		For >100, Deduct	*-35.01*	
08 14 16 00-0334		**Maple Faced Wood Doors** *(08 14 16 00-0283)*		
08 14 16 00-0335	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	317.42	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.67*	
		For Stave Lumber Core (SLC), Add	*175.01*	
		For Structural Composite Lumber Core (SCLC), Add	*105.01*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.91*	
08 14 16 00-0336	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	317.42	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.67*	
		For Stave Lumber Core (SLC), Add	*175.01*	
		For Structural Composite Lumber Core (SCLC), Add	*105.01*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.91*	
08 14 16 00-0337	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	333.52	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.91*	
		For Stave Lumber Core (SLC), Add	*184.23*	
		For Structural Composite Lumber Core (SCLC), Add	*110.54*	
		For >50 To 100, Deduct	*-18.87*	
		For >100, Deduct	*-27.21*	
08 14 16 00-0338	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	345.77	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.16*	
		For Stave Lumber Core (SLC), Add	*193.42*	
		For Structural Composite Lumber Core (SCLC), Add	*116.05*	
		For >50 To 100, Deduct	*-19.49*	
		For >100, Deduct	*-28.13*	
08 14 16 00-0339	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	353.22	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.31*	
		For Stave Lumber Core (SLC), Add	*199.01*	
		For Structural Composite Lumber Core (SCLC), Add	*119.40*	
		For >50 To 100, Deduct	*-19.86*	
		For >100, Deduct	*-28.69*	
08 14 16 00-0340	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	364.53	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.46*	
		For Stave Lumber Core (SLC), Add	*204.62*	
		For Structural Composite Lumber Core (SCLC), Add	*122.77*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-29.63*	
08 14 16 00-0341	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	394.47	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.06*	
		For Stave Lumber Core (SLC), Add	*227.08*	
		For Structural Composite Lumber Core (SCLC), Add	*136.25*	
		For >50 To 100, Deduct	*-22.02*	
		For >100, Deduct	*-31.88*	
08 14 16 00-0342	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	417.64	47.76
		For 7 Ply Cold Press Construction, Deduct	*-6.44*	
		For Stave Lumber Core (SLC), Add	*241.58*	
		For Structural Composite Lumber Core (SCLC), Add	*144.95*	
		For >50 To 100, Deduct	*-23.27*	
		For >100, Deduct	*-33.71*	
08 14 16 00-0343	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	330.98	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.94*	
		For Stave Lumber Core (SLC), Add	*185.18*	
		For Structural Composite Lumber Core (SCLC), Add	*111.11*	
		For >50 To 100, Deduct	*-18.65*	
		For >100, Deduct	*-26.93*	
08 14 16 00-0344	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	330.98	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.94*	
		For Stave Lumber Core (SLC), Add	*185.18*	
		For Structural Composite Lumber Core (SCLC), Add	*111.11*	
		For >50 To 100, Deduct	*-18.65*	
		For >100, Deduct	*-26.93*	
08 14 16 00-0345	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	347.82	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.20*	
		For Stave Lumber Core (SLC), Add	*194.96*	
		For Structural Composite Lumber Core (SCLC), Add	*116.97*	
		For >50 To 100, Deduct	*-19.59*	
		For >100, Deduct	*-28.28*	
08 14 16 00-0346	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	360.79	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.46*	
		For Stave Lumber Core (SLC), Add	*204.68*	
		For Structural Composite Lumber Core (SCLC), Add	*122.81*	
		For >50 To 100, Deduct	*-20.24*	
		For >100, Deduct	*-29.26*	
08 14 16 00-0347	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	368.67	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.62*	
		For Stave Lumber Core (SLC), Add	*210.59*	
		For Structural Composite Lumber Core (SCLC), Add	*126.36*	
		For >50 To 100, Deduct	*-20.63*	
		For >100, Deduct	*-29.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0348	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	380.42	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.77*	
		For Stave Lumber Core (SLC), Add	*216.54*	
		For Structural Composite Lumber Core (SCLC), Add	*129.92*	
		For >50 To 100, Deduct	*-21.31*	
		For >100, Deduct	*-30.82*	
08 14 16 00-0349	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	412.10	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.41*	
		For Stave Lumber Core (SLC), Add	*240.30*	
		For Structural Composite Lumber Core (SCLC), Add	*144.18*	
		For >50 To 100, Deduct	*-22.90*	
		For >100, Deduct	*-33.20*	
08 14 16 00-0350	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	436.40	47.76
		For 7 Ply Cold Press Construction, Deduct	*-6.82*	
		For Stave Lumber Core (SLC), Add	*255.65*	
		For Structural Composite Lumber Core (SCLC), Add	*153.39*	
		For >50 To 100, Deduct	*-24.21*	
		For >100, Deduct	*-35.12*	
08 14 16 00-0351	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.14	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.90*	
		For Stave Lumber Core (SLC), Add	*221.30*	
		For Structural Composite Lumber Core (SCLC), Add	*132.78*	
		For >50 To 100, Deduct	*-21.06*	
		For >100, Deduct	*-30.54*	
08 14 16 00-0352	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.14	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.90*	
		For Stave Lumber Core (SLC), Add	*221.30*	
		For Structural Composite Lumber Core (SCLC), Add	*132.78*	
		For >50 To 100, Deduct	*-21.06*	
		For >100, Deduct	*-30.54*	
08 14 16 00-0353	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	398.51	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.21*	
		For Stave Lumber Core (SLC), Add	*232.97*	
		For Structural Composite Lumber Core (SCLC), Add	*139.78*	
		For >50 To 100, Deduct	*-22.12*	
		For >100, Deduct	*-32.09*	
08 14 16 00-0354	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	413.99	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.52*	
		For Stave Lumber Core (SLC), Add	*244.58*	
		For Structural Composite Lumber Core (SCLC), Add	*146.75*	
		For >50 To 100, Deduct	*-22.90*	
		For >100, Deduct	*-33.25*	
08 14 16 00-0355	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	423.43	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.71*	
		For Stave Lumber Core (SLC), Add	*251.66*	
		For Structural Composite Lumber Core (SCLC), Add	*151.00*	
		For >50 To 100, Deduct	*-23.37*	
		For >100, Deduct	*-33.95*	
08 14 16 00-0356	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	436.72	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.90*	
		For Stave Lumber Core (SLC), Add	*258.77*	
		For Structural Composite Lumber Core (SCLC), Add	*155.26*	
		For >50 To 100, Deduct	*-24.13*	
		For >100, Deduct	*-35.05*	
08 14 16 00-0357	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	474.58	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.66*	
		For Stave Lumber Core (SLC), Add	*287.16*	
		For Structural Composite Lumber Core (SCLC), Add	*172.30*	
		For >50 To 100, Deduct	*-26.02*	
		For >100, Deduct	*-37.89*	
08 14 16 00-0358	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	502.87	47.76
		For 7 Ply Cold Press Construction, Deduct	*-8.15*	
		For Stave Lumber Core (SLC), Add	*305.51*	
		For Structural Composite Lumber Core (SCLC), Add	*183.30*	
		For >50 To 100, Deduct	*-27.53*	
		For >100, Deduct	*-40.10*	

08 14 16 00-0359 Lauan Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0360	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	201.44	42.03
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-17.21*	
08 14 16 00-0361	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	201.44	42.03
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-17.21*	
08 14 16 00-0362	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	211.67	43.94
		For >50 To 100, Deduct	*-12.78*	
		For >100, Deduct	*-18.07*	
08 14 16 00-0363	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	218.14	43.94
		For >50 To 100, Deduct	*-13.10*	
		For >100, Deduct	*-18.56*	
08 14 16 00-0364	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	221.39	43.94
		For >50 To 100, Deduct	*-13.27*	
		For >100, Deduct	*-18.80*	
08 14 16 00-0365	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	228.49	45.85
		For >50 To 100, Deduct	*-13.72*	
		For >100, Deduct	*-19.43*	
08 14 16 00-0366	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	243.51	45.85
		For >50 To 100, Deduct	*-14.47*	
		For >100, Deduct	*-20.56*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0367	EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	259.24	47.76
	For >50 To 100, Deduct	*-15.35*	
	For >100, Deduct	*-21.83*	
08 14 16 00-0368	EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	208.27	42.03
	For >50 To 100, Deduct	*-12.52*	
	For >100, Deduct	*-17.72*	
08 14 16 00-0369	EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	208.27	42.03
	For >50 To 100, Deduct	*-12.52*	
	For >100, Deduct	*-17.72*	
08 14 16 00-0370	EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	218.89	43.94
	For >50 To 100, Deduct	*-13.14*	
	For >100, Deduct	*-18.61*	
08 14 16 00-0371	EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	225.73	43.94
	For >50 To 100, Deduct	*-13.48*	
	For >100, Deduct	*-19.13*	
08 14 16 00-0372	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	229.17	43.94
	For >50 To 100, Deduct	*-13.66*	
	For >100, Deduct	*-19.38*	
08 14 16 00-0373	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	236.44	45.85
	For >50 To 100, Deduct	*-14.11*	
	For >100, Deduct	*-20.03*	
08 14 16 00-0374	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	252.36	45.85
	For >50 To 100, Deduct	*-14.91*	
	For >100, Deduct	*-21.22*	
08 14 16 00-0375	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	268.75	47.76
	For >50 To 100, Deduct	*-15.83*	
	For >100, Deduct	*-22.54*	
08 14 16 00-0376	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	232.50	42.03
	For >50 To 100, Deduct	*-13.73*	
	For >100, Deduct	*-19.54*	
08 14 16 00-0377	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	232.50	42.03
	For >50 To 100, Deduct	*-13.73*	
	For >100, Deduct	*-19.54*	
08 14 16 00-0378	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	244.42	43.94
	For >50 To 100, Deduct	*-14.42*	
	For >100, Deduct	*-20.53*	
08 14 16 00-0379	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	252.61	43.94
	For >50 To 100, Deduct	*-14.83*	
	For >100, Deduct	*-21.14*	
08 14 16 00-0380	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	256.73	43.94
	For >50 To 100, Deduct	*-15.03*	
	For >100, Deduct	*-21.45*	
08 14 16 00-0381	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	264.67	45.85
	For >50 To 100, Deduct	*-15.53*	
	For >100, Deduct	*-22.14*	
08 14 16 00-0382	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.68	45.85
	For >50 To 100, Deduct	*-16.48*	
	For >100, Deduct	*-23.57*	
08 14 16 00-0383	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.53	47.76
	For >50 To 100, Deduct	*-17.51*	
	For >100, Deduct	*-25.08*	

08 14 16 00-0384 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0283)*

08 14 16 00-0385	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	216.61	42.03
	For Stave Lumber Core (SLC), Add	*99.41*	
	For Structural Composite Lumber Core (SCLC), Add	*59.64*	
	For >50 To 100, Deduct	*-12.93*	
	For >100, Deduct	*-18.35*	
08 14 16 00-0386	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	216.61	42.03
	For Stave Lumber Core (SLC), Add	*99.41*	
	For Structural Composite Lumber Core (SCLC), Add	*59.64*	
	For >50 To 100, Deduct	*-12.93*	
	For >100, Deduct	*-18.35*	
08 14 16 00-0387	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	228.12	43.94
	For Stave Lumber Core (SLC), Add	*105.18*	
	For Structural Composite Lumber Core (SCLC), Add	*63.11*	
	For >50 To 100, Deduct	*-13.60*	
	For >100, Deduct	*-19.31*	
08 14 16 00-0388	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	235.80	43.94
	For Stave Lumber Core (SLC), Add	*110.94*	
	For Structural Composite Lumber Core (SCLC), Add	*66.56*	
	For >50 To 100, Deduct	*-13.99*	
	For >100, Deduct	*-19.88*	
08 14 16 00-0389	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	237.21	43.94
	For Stave Lumber Core (SLC), Add	*112.00*	
	For Structural Composite Lumber Core (SCLC), Add	*67.20*	
	For >50 To 100, Deduct	*-14.06*	
	For >100, Deduct	*-19.99*	
08 14 16 00-0390	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	242.46	45.85
	For Stave Lumber Core (SLC), Add	*113.07*	
	For Structural Composite Lumber Core (SCLC), Add	*67.84*	
	For >50 To 100, Deduct	*-14.42*	
	For >100, Deduct	*-20.48*	
08 14 16 00-0391	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	259.09	45.85
	For Stave Lumber Core (SLC), Add	*125.54*	
	For Structural Composite Lumber Core (SCLC), Add	*75.33*	
	For >50 To 100, Deduct	*-15.25*	
	For >100, Deduct	*-21.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0392	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	293.24	47.76
		For Stave Lumber Core (SLC), Add	*148.28*	
		For Structural Composite Lumber Core (SCLC), Add	*88.97*	
		For >50 To 100, Deduct	*-17.05*	
		For >100, Deduct	*-24.38*	
08 14 16 00-0393	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	224.33	42.03
		For Stave Lumber Core (SLC), Add	*105.20*	
		For Structural Composite Lumber Core (SCLC), Add	*63.12*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-18.93*	
08 14 16 00-0394	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	224.34	42.03
		For Stave Lumber Core (SLC), Add	*105.20*	
		For Structural Composite Lumber Core (SCLC), Add	*63.12*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-18.93*	
08 14 16 00-0395	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	236.29	43.94
		For Stave Lumber Core (SLC), Add	*111.31*	
		For Structural Composite Lumber Core (SCLC), Add	*66.78*	
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-19.92*	
08 14 16 00-0396	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	244.41	43.94
		For Stave Lumber Core (SLC), Add	*117.40*	
		For Structural Composite Lumber Core (SCLC), Add	*70.44*	
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.53*	
08 14 16 00-0397	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	245.91	43.94
		For Stave Lumber Core (SLC), Add	*118.52*	
		For Structural Composite Lumber Core (SCLC), Add	*71.11*	
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-20.64*	
08 14 16 00-0398	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	251.23	45.85
		For Stave Lumber Core (SLC), Add	*119.65*	
		For Structural Composite Lumber Core (SCLC), Add	*71.79*	
		For >50 To 100, Deduct	*-14.85*	
		For >100, Deduct	*-21.13*	
08 14 16 00-0399	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	268.83	45.85
		For Stave Lumber Core (SLC), Add	*132.85*	
		For Structural Composite Lumber Core (SCLC), Add	*79.71*	
		For >50 To 100, Deduct	*-15.73*	
		For >100, Deduct	*-22.45*	
08 14 16 00-0400	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	304.76	47.76
		For Stave Lumber Core (SLC), Add	*156.92*	
		For Structural Composite Lumber Core (SCLC), Add	*94.15*	
		For >50 To 100, Deduct	*-17.63*	
		For >100, Deduct	*-25.25*	
08 14 16 00-0401	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	251.66	42.03
		For Stave Lumber Core (SLC), Add	*125.69*	
		For Structural Composite Lumber Core (SCLC), Add	*75.42*	
		For >50 To 100, Deduct	*-14.68*	
		For >100, Deduct	*-20.98*	
08 14 16 00-0402	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	251.69	42.03
		For Stave Lumber Core (SLC), Add	*125.72*	
		For Structural Composite Lumber Core (SCLC), Add	*75.43*	
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-20.98*	
08 14 16 00-0403	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	265.22	43.94
		For Stave Lumber Core (SLC), Add	*133.01*	
		For Structural Composite Lumber Core (SCLC), Add	*79.80*	
		For >50 To 100, Deduct	*-15.46*	
		For >100, Deduct	*-22.09*	
08 14 16 00-0404	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	274.92	43.94
		For Stave Lumber Core (SLC), Add	*140.28*	
		For Structural Composite Lumber Core (SCLC), Add	*84.17*	
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.82*	
08 14 16 00-0405	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	276.71	43.94
		For Stave Lumber Core (SLC), Add	*141.62*	
		For Structural Composite Lumber Core (SCLC), Add	*84.97*	
		For >50 To 100, Deduct	*-16.03*	
		For >100, Deduct	*-22.95*	
08 14 16 00-0406	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.35	45.85
		For Stave Lumber Core (SLC), Add	*142.99*	
		For Structural Composite Lumber Core (SCLC), Add	*85.79*	
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-23.47*	
08 14 16 00-0407	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.38	45.85
		For Stave Lumber Core (SLC), Add	*158.76*	
		For Structural Composite Lumber Core (SCLC), Add	*95.26*	
		For >50 To 100, Deduct	*-17.46*	
		For >100, Deduct	*-25.05*	
08 14 16 00-0408	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	345.57	47.76
		For Stave Lumber Core (SLC), Add	*187.53*	
		For Structural Composite Lumber Core (SCLC), Add	*112.52*	
		For >50 To 100, Deduct	*-19.67*	
		For >100, Deduct	*-28.31*	

08 14 16 00-0409 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0410		**Birch Faced Wood Doors** *(08 14 16 00-0409)*		
08 14 16 00-0411	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	275.90	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.84*	
		For Stave Lumber Core (SLC), Add	*143.87*	
		For Structural Composite Lumber Core (SCLC), Add	*86.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.20*	
		For >50 To 100, Deduct	*-15.90*	
		For >100, Deduct	*-22.79*	
08 14 16 00-0412	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	275.90	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.84*	
		For Stave Lumber Core (SLC), Add	*143.87*	
		For Structural Composite Lumber Core (SCLC), Add	*86.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.20*	
		For >50 To 100, Deduct	*-15.90*	
		For >100, Deduct	*-22.79*	
08 14 16 00-0413	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	269.60	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.63*	
		For Stave Lumber Core (SLC), Add	*136.29*	
		For Structural Composite Lumber Core (SCLC), Add	*81.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.06*	
		For >50 To 100, Deduct	*-15.68*	
		For >100, Deduct	*-22.42*	
08 14 16 00-0414	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	277.17	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.79*	
		For Stave Lumber Core (SLC), Add	*141.97*	
		For Structural Composite Lumber Core (SCLC), Add	*85.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*141.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.15*	
		For >50 To 100, Deduct	*-16.06*	
		For >100, Deduct	*-22.98*	
08 14 16 00-0415	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	282.24	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.89*	
		For Stave Lumber Core (SLC), Add	*145.77*	
		For Structural Composite Lumber Core (SCLC), Add	*87.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.23*	
		For >50 To 100, Deduct	*-16.31*	
		For >100, Deduct	*-23.37*	
08 14 16 00-0416	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	291.10	45.85
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.55*	
		For Structural Composite Lumber Core (SCLC), Add	*89.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.28*	
		For >50 To 100, Deduct	*-16.85*	
		For >100, Deduct	*-24.13*	
08 14 16 00-0417	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	313.03	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.43*	
		For Stave Lumber Core (SLC), Add	*166.00*	
		For Structural Composite Lumber Core (SCLC), Add	*99.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*265.60*	
		For >50 To 100, Deduct	*-17.94*	
		For >100, Deduct	*-25.77*	
08 14 16 00-0418	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	364.24	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.53*	
		For Structural Composite Lumber Core (SCLC), Add	*120.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.45*	
		For >50 To 100, Deduct	*-20.60*	
		For >100, Deduct	*-29.71*	
08 14 16 00-0419	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	377.68	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.64*	
		For Stave Lumber Core (SLC), Add	*211.61*	
		For Structural Composite Lumber Core (SCLC), Add	*126.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*152.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*211.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*338.58*	
		For >50 To 100, Deduct	*-21.27*	
		For >100, Deduct	*-30.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0420	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	412.18	51.58
		For 7 Ply Cold Press Construction, Deduct	*-6.18*	
		For Stave Lumber Core (SLC), Add	*231.76*	
		For Structural Composite Lumber Core (SCLC), Add	*139.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*166.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*370.81*	
		For >50 To 100, Deduct	*-23.19*	
		For >100, Deduct	*-33.49*	
08 14 16 00-0421	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	266.82	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.66*	
		For Stave Lumber Core (SLC), Add	*137.06*	
		For Structural Composite Lumber Core (SCLC), Add	*82.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*219.30*	
		For >50 To 100, Deduct	*-15.44*	
		For >100, Deduct	*-22.11*	
08 14 16 00-0422	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	266.82	42.03
		For 7 Ply Cold Press Construction, Deduct	*-3.66*	
		For Stave Lumber Core (SLC), Add	*137.06*	
		For Structural Composite Lumber Core (SCLC), Add	*82.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*219.30*	
		For >50 To 100, Deduct	*-15.44*	
		For >100, Deduct	*-22.11*	
08 14 16 00-0423	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	280.18	43.94
		For 7 Ply Cold Press Construction, Deduct	*-3.85*	
		For Stave Lumber Core (SLC), Add	*144.23*	
		For Structural Composite Lumber Core (SCLC), Add	*86.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.76*	
		For >50 To 100, Deduct	*-16.21*	
		For >100, Deduct	*-23.21*	
08 14 16 00-0424	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	288.19	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.01*	
		For Stave Lumber Core (SLC), Add	*150.23*	
		For Structural Composite Lumber Core (SCLC), Add	*90.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.37*	
		For >50 To 100, Deduct	*-16.61*	
		For >100, Deduct	*-23.81*	
08 14 16 00-0425	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	293.55	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.11*	
		For Stave Lumber Core (SLC), Add	*154.25*	
		For Structural Composite Lumber Core (SCLC), Add	*92.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*246.80*	
		For >50 To 100, Deduct	*-16.87*	
		For >100, Deduct	*-24.21*	
08 14 16 00-0426	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	302.70	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.22*	
		For Stave Lumber Core (SLC), Add	*158.25*	
		For Structural Composite Lumber Core (SCLC), Add	*94.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.20*	
		For >50 To 100, Deduct	*-17.43*	
		For >100, Deduct	*-25.00*	
08 14 16 00-0427	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	325.91	45.85
		For 7 Ply Cold Press Construction, Deduct	*-4.68*	
		For Stave Lumber Core (SLC), Add	*175.66*	
		For Structural Composite Lumber Core (SCLC), Add	*105.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*126.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*175.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*281.05*	
		For >50 To 100, Deduct	*-18.59*	
		For >100, Deduct	*-26.74*	
08 14 16 00-0428	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.89	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.69*	
		For Stave Lumber Core (SLC), Add	*213.27*	
		For Structural Composite Lumber Core (SCLC), Add	*127.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.23*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0429	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	394.10	47.76
		For 7 Ply Cold Press Construction, Deduct	*-5.97*	
		For Stave Lumber Core (SLC), Add	*223.93*	
		For Structural Composite Lumber Core (SCLC), Add	*134.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*223.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*358.28*	
		For >50 To 100, Deduct	*-22.09*	
		For >100, Deduct	*-31.95*	
08 14 16 00-0430	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	430.17	51.58
		For 7 Ply Cold Press Construction, Deduct	*-6.54*	
		For Stave Lumber Core (SLC), Add	*245.25*	
		For Structural Composite Lumber Core (SCLC), Add	*147.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*245.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*392.40*	
		For >50 To 100, Deduct	*-24.09*	
		For >100, Deduct	*-34.84*	
08 14 16 00-0431	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	326.63	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.85*	
		For Stave Lumber Core (SLC), Add	*181.92*	
		For Structural Composite Lumber Core (SCLC), Add	*109.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*291.07*	
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-26.60*	
08 14 16 00-0432	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	326.63	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.85*	
		For Stave Lumber Core (SLC), Add	*181.92*	
		For Structural Composite Lumber Core (SCLC), Add	*109.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*291.07*	
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-26.60*	
08 14 16 00-0433	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	317.68	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.60*	
		For Stave Lumber Core (SLC), Add	*172.35*	
		For Structural Composite Lumber Core (SCLC), Add	*103.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.76*	
		For >50 To 100, Deduct	*-18.08*	
		For >100, Deduct	*-26.02*	
08 14 16 00-0434	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.25	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.79*	
		For Stave Lumber Core (SLC), Add	*179.53*	
		For Structural Composite Lumber Core (SCLC), Add	*107.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*129.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*179.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*287.24*	
		For >50 To 100, Deduct	*-18.56*	
		For >100, Deduct	*-26.74*	
08 14 16 00-0435	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	333.64	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.92*	
		For Stave Lumber Core (SLC), Add	*184.32*	
		For Structural Composite Lumber Core (SCLC), Add	*110.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*184.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*294.91*	
		For >50 To 100, Deduct	*-18.88*	
		For >100, Deduct	*-27.22*	
08 14 16 00-0436	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	343.83	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.04*	
		For Stave Lumber Core (SLC), Add	*189.10*	
		For Structural Composite Lumber Core (SCLC), Add	*113.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*136.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*189.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*302.56*	
		For >50 To 100, Deduct	*-19.48*	
		For >100, Deduct	*-28.08*	
08 14 16 00-0437	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	371.57	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.60*	
		For Stave Lumber Core (SLC), Add	*209.90*	
		For Structural Composite Lumber Core (SCLC), Add	*125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*151.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*209.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*335.84*	
		For >50 To 100, Deduct	*-20.87*	
		For >100, Deduct	*-30.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0438	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	435.33	47.76
		For 7 Ply Cold Press Construction, Deduct	*-6.80*	
		For Stave Lumber Core (SLC), Add	*254.85*	
		For Structural Composite Lumber Core (SCLC), Add	*152.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.76*	
		For >50 To 100, Deduct	*-24.15*	
		For >100, Deduct	*-35.04*	
08 14 16 00-0439	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	452.32	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.14*	
		For Stave Lumber Core (SLC), Add	*267.59*	
		For Structural Composite Lumber Core (SCLC), Add	*160.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*267.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*428.15*	
		For >50 To 100, Deduct	*-25.00*	
		For >100, Deduct	*-36.31*	
08 14 16 00-0440	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	493.93	51.58
		For 7 Ply Cold Press Construction, Deduct	*-7.82*	
		For Stave Lumber Core (SLC), Add	*293.07*	
		For Structural Composite Lumber Core (SCLC), Add	*175.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*293.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*468.91*	
		For >50 To 100, Deduct	*-27.28*	
		For >100, Deduct	*-39.62*	

08 14 16 00-0441 Oak Faced Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	343.16	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.18*	
		For Stave Lumber Core (SLC), Add	*194.32*	
		For Structural Composite Lumber Core (SCLC), Add	*116.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.91*	
		For >50 To 100, Deduct	*-19.26*	
		For >100, Deduct	*-27.84*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	343.16	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.18*	
		For Stave Lumber Core (SLC), Add	*194.32*	
		For Structural Composite Lumber Core (SCLC), Add	*116.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.91*	
		For >50 To 100, Deduct	*-19.26*	
		For >100, Deduct	*-27.84*	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	346.97	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.18*	
		For Stave Lumber Core (SLC), Add	*194.32*	
		For Structural Composite Lumber Core (SCLC), Add	*116.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.91*	
		For >50 To 100, Deduct	*-19.55*	
		For >100, Deduct	*-28.22*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	349.64	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.32*	
		For Structural Composite Lumber Core (SCLC), Add	*117.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*314.11*	
		For >50 To 100, Deduct	*-19.68*	
		For >100, Deduct	*-28.42*	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	350.84	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.22*	
		For Structural Composite Lumber Core (SCLC), Add	*118.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*197.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*315.55*	
		For >50 To 100, Deduct	*-19.74*	
		For >100, Deduct	*-28.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	355.86	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.28*	
		For Stave Lumber Core (SLC), Add	*198.12*	
		For Structural Composite Lumber Core (SCLC), Add	*118.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*316.99*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-28.98*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	384.88	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.86*	
		For Stave Lumber Core (SLC), Add	*219.89*	
		For Structural Composite Lumber Core (SCLC), Add	*131.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*219.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*351.82*	
		For >50 To 100, Deduct	*-21.54*	
		For >100, Deduct	*-31.16*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	463.42	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.36*	
		For Stave Lumber Core (SLC), Add	*275.92*	
		For Structural Composite Lumber Core (SCLC), Add	*165.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*198.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*275.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*441.47*	
		For >50 To 100, Deduct	*-25.56*	
		For >100, Deduct	*-37.14*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.07	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.73*	
		For Stave Lumber Core (SLC), Add	*289.91*	
		For Structural Composite Lumber Core (SCLC), Add	*173.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*463.85*	
		For >50 To 100, Deduct	*-26.49*	
		For >100, Deduct	*-38.54*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	526.25	51.58
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*317.31*	
		For Structural Composite Lumber Core (SCLC), Add	*190.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*507.70*	
		For >50 To 100, Deduct	*-28.89*	
		For >100, Deduct	*-42.05*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	358.23	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.48*	
		For Stave Lumber Core (SLC), Add	*205.62*	
		For Structural Composite Lumber Core (SCLC), Add	*123.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*328.99*	
		For >50 To 100, Deduct	*-20.01*	
		For >100, Deduct	*-28.97*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	358.23	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.48*	
		For Stave Lumber Core (SLC), Add	*205.62*	
		For Structural Composite Lumber Core (SCLC), Add	*123.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*328.99*	
		For >50 To 100, Deduct	*-20.01*	
		For >100, Deduct	*-28.97*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	362.04	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.48*	
		For Stave Lumber Core (SLC), Add	*205.62*	
		For Structural Composite Lumber Core (SCLC), Add	*123.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*328.99*	
		For >50 To 100, Deduct	*-20.30*	
		For >100, Deduct	*-29.35*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	364.86	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.54*	
		For Stave Lumber Core (SLC), Add	*207.74*	
		For Structural Composite Lumber Core (SCLC), Add	*124.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*149.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*207.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*332.38*	
		For >50 To 100, Deduct	*-20.44*	
		For >100, Deduct	*-29.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	366.14	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.57*	
		For Stave Lumber Core (SLC), Add	*208.70*	
		For Structural Composite Lumber Core (SCLC), Add	*125.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.91*	
		For >50 To 100, Deduct	*-20.50*	
		For >100, Deduct	*-29.66*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	371.24	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.59*	
		For Stave Lumber Core (SLC), Add	*209.66*	
		For Structural Composite Lumber Core (SCLC), Add	*125.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*209.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*335.45*	
		For >50 To 100, Deduct	*-20.85*	
		For >100, Deduct	*-30.14*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	401.94	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.20*	
		For Stave Lumber Core (SLC), Add	*232.68*	
		For Structural Composite Lumber Core (SCLC), Add	*139.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*232.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*372.29*	
		For >50 To 100, Deduct	*-22.39*	
		For >100, Deduct	*-32.44*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	484.84	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.79*	
		For Stave Lumber Core (SLC), Add	*291.98*	
		For Structural Composite Lumber Core (SCLC), Add	*175.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*210.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*291.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*467.17*	
		For >50 To 100, Deduct	*-26.63*	
		For >100, Deduct	*-38.75*	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	504.56	47.76
		For 7 Ply Cold Press Construction, Deduct	*-8.18*	
		For Stave Lumber Core (SLC), Add	*306.77*	
		For Structural Composite Lumber Core (SCLC), Add	*184.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.84*	
		For >50 To 100, Deduct	*-27.62*	
		For >100, Deduct	*-40.23*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	550.87	51.58
		For 7 Ply Cold Press Construction, Deduct	*-8.95*	
		For Stave Lumber Core (SLC), Add	*335.78*	
		For Structural Composite Lumber Core (SCLC), Add	*201.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*537.24*	
		For >50 To 100, Deduct	*-30.12*	
		For >100, Deduct	*-43.89*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	411.69	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.55*	
		For Stave Lumber Core (SLC), Add	*245.72*	
		For Structural Composite Lumber Core (SCLC), Add	*147.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*245.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*393.14*	
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-32.98*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	411.69	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.55*	
		For Stave Lumber Core (SLC), Add	*245.72*	
		For Structural Composite Lumber Core (SCLC), Add	*147.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*245.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*393.14*	
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-32.98*	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	415.50	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.55*	
		For Stave Lumber Core (SLC), Add	*245.72*	
		For Structural Composite Lumber Core (SCLC), Add	*147.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*245.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*393.14*	
		For >50 To 100, Deduct	*-22.97*	
		For >100, Deduct	*-33.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	418.87	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.62*	
		For Stave Lumber Core (SLC), Add	*248.24*	
		For Structural Composite Lumber Core (SCLC), Add	*148.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.19*	
		For >50 To 100, Deduct	*-23.14*	
		For >100, Deduct	*-33.61*	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	420.41	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.65*	
		For Stave Lumber Core (SLC), Add	*249.40*	
		For Structural Composite Lumber Core (SCLC), Add	*149.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*179.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*249.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*399.04*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-33.73*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	425.74	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.68*	
		For Stave Lumber Core (SLC), Add	*250.53*	
		For Structural Composite Lumber Core (SCLC), Add	*150.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.85*	
		For >50 To 100, Deduct	*-23.58*	
		For >100, Deduct	*-34.22*	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	462.43	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.41*	
		For Stave Lumber Core (SLC), Add	*278.05*	
		For Structural Composite Lumber Core (SCLC), Add	*166.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*200.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*278.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*444.88*	
		For >50 To 100, Deduct	*-25.41*	
		For >100, Deduct	*-36.97*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	560.75	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.30*	
		For Stave Lumber Core (SLC), Add	*348.92*	
		For Structural Composite Lumber Core (SCLC), Add	*209.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*251.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*348.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*558.26*	
		For >50 To 100, Deduct	*-30.43*	
		For >100, Deduct	*-44.44*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	584.32	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.78*	
		For Stave Lumber Core (SLC), Add	*366.59*	
		For Structural Composite Lumber Core (SCLC), Add	*219.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*263.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*366.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*586.55*	
		For >50 To 100, Deduct	*-31.60*	
		For >100, Deduct	*-46.21*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	638.17	51.58
		For 7 Ply Cold Press Construction, Deduct	*-10.70*	
		For Stave Lumber Core (SLC), Add	*401.25*	
		For Structural Composite Lumber Core (SCLC), Add	*240.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*288.90*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*401.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*642.00*	
		For >50 To 100, Deduct	*-34.49*	
		For >100, Deduct	*-50.44*	

08 14 16 00-0472 Maple Faced Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	394.98	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.22*	
		For Stave Lumber Core (SLC), Add	*233.18*	
		For Structural Composite Lumber Core (SCLC), Add	*139.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*233.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*373.09*	
		For >50 To 100, Deduct	*-21.85*	
		For >100, Deduct	*-31.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	394.98	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.22*	
		For Stave Lumber Core (SLC), Add	*233.18*	
		For Structural Composite Lumber Core (SCLC), Add	*139.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*233.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*373.09*	
		For >50 To 100, Deduct	*-21.85*	
		For >100, Deduct	*-31.73*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	398.79	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.22*	
		For Stave Lumber Core (SLC), Add	*233.18*	
		For Structural Composite Lumber Core (SCLC), Add	*139.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*233.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*373.09*	
		For >50 To 100, Deduct	*-22.14*	
		For >100, Deduct	*-32.11*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	401.99	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.28*	
		For Stave Lumber Core (SLC), Add	*235.58*	
		For Structural Composite Lumber Core (SCLC), Add	*141.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*169.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*235.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*376.93*	
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-32.35*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	403.42	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.31*	
		For Stave Lumber Core (SLC), Add	*236.66*	
		For Structural Composite Lumber Core (SCLC), Add	*141.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.65*	
		For >50 To 100, Deduct	*-22.37*	
		For >100, Deduct	*-32.45*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	408.70	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.34*	
		For Stave Lumber Core (SLC), Add	*237.75*	
		For Structural Composite Lumber Core (SCLC), Add	*142.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*237.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*380.40*	
		For >50 To 100, Deduct	*-22.73*	
		For >100, Deduct	*-32.95*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	443.52	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.04*	
		For Stave Lumber Core (SLC), Add	*263.87*	
		For Structural Composite Lumber Core (SCLC), Add	*158.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*263.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*422.18*	
		For >50 To 100, Deduct	*-24.47*	
		For >100, Deduct	*-35.56*	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	514.93	47.76
		For 7 Ply Cold Press Construction, Deduct	*-8.39*	
		For Stave Lumber Core (SLC), Add	*314.55*	
		For Structural Composite Lumber Core (SCLC), Add	*188.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*503.28*	
		For >50 To 100, Deduct	*-28.13*	
		For >100, Deduct	*-41.01*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	559.06	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.27*	
		For Stave Lumber Core (SLC), Add	*347.65*	
		For Structural Composite Lumber Core (SCLC), Add	*208.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*250.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*347.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*556.24*	
		For >50 To 100, Deduct	*-30.34*	
		For >100, Deduct	*-44.32*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	603.25	47.76
		For 7 Ply Cold Press Construction, Deduct	*-10.15*	
		For Stave Lumber Core (SLC), Add	*380.79*	
		For Structural Composite Lumber Core (SCLC), Add	*228.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*380.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*609.26*	
		For >50 To 100, Deduct	*-32.55*	
		For >100, Deduct	*-47.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	413.07	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.58*	
		For Stave Lumber Core (SLC), Add	*246.75*	
		For Structural Composite Lumber Core (SCLC), Add	*148.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*246.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*394.80*	
		For >50 To 100, Deduct	*-22.76*	
		For >100, Deduct	*-33.08*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	413.07	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.58*	
		For Stave Lumber Core (SLC), Add	*246.75*	
		For Structural Composite Lumber Core (SCLC), Add	*148.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*246.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*394.80*	
		For >50 To 100, Deduct	*-22.76*	
		For >100, Deduct	*-33.08*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	416.88	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.58*	
		For Stave Lumber Core (SLC), Add	*246.75*	
		For Structural Composite Lumber Core (SCLC), Add	*148.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*246.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*394.80*	
		For >50 To 100, Deduct	*-23.04*	
		For >100, Deduct	*-33.46*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	420.26	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.65*	
		For Stave Lumber Core (SLC), Add	*249.29*	
		For Structural Composite Lumber Core (SCLC), Add	*149.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*179.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*249.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*398.86*	
		For >50 To 100, Deduct	*-23.21*	
		For >100, Deduct	*-33.72*	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	421.79	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.68*	
		For Stave Lumber Core (SLC), Add	*250.43*	
		For Structural Composite Lumber Core (SCLC), Add	*150.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.69*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-33.83*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	427.15	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.71*	
		For Stave Lumber Core (SLC), Add	*251.59*	
		For Structural Composite Lumber Core (SCLC), Add	*150.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*181.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*402.54*	
		For >50 To 100, Deduct	*-23.65*	
		For >100, Deduct	*-34.33*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.99	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.22*	
		For Structural Composite Lumber Core (SCLC), Add	*167.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*201.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*279.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*446.75*	
		For >50 To 100, Deduct	*-25.49*	
		For >100, Deduct	*-37.09*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	539.34	47.76
		For 7 Ply Cold Press Construction, Deduct	*-8.88*	
		For Stave Lumber Core (SLC), Add	*332.86*	
		For Structural Composite Lumber Core (SCLC), Add	*199.71*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*239.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*332.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*532.57*	
		For >50 To 100, Deduct	*-29.36*	
		For >100, Deduct	*-42.84*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	586.06	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.81*	
		For Stave Lumber Core (SLC), Add	*367.90*	
		For Structural Composite Lumber Core (SCLC), Add	*220.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*264.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*367.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*588.64*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-46.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	632.81	47.76
		For 7 Ply Cold Press Construction, Deduct	*-10.75*	
		For Stave Lumber Core (SLC), Add	*402.96*	
		For Structural Composite Lumber Core (SCLC), Add	*241.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*290.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*402.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*644.74*	
		For >50 To 100, Deduct	*-34.03*	
		For >100, Deduct	*-49.85*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.21	42.03
		For 7 Ply Cold Press Construction, Deduct	*-7.86*	
		For Stave Lumber Core (SLC), Add	*294.86*	
		For Structural Composite Lumber Core (SCLC), Add	*176.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*471.77*	
		For >50 To 100, Deduct	*-25.96*	
		For >100, Deduct	*-37.89*	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.21	42.03
		For 7 Ply Cold Press Construction, Deduct	*-7.86*	
		For Stave Lumber Core (SLC), Add	*294.86*	
		For Structural Composite Lumber Core (SCLC), Add	*176.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*471.77*	
		For >50 To 100, Deduct	*-25.96*	
		For >100, Deduct	*-37.89*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	481.02	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.86*	
		For Stave Lumber Core (SLC), Add	*294.86*	
		For Structural Composite Lumber Core (SCLC), Add	*176.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*471.77*	
		For >50 To 100, Deduct	*-26.25*	
		For >100, Deduct	*-38.27*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	485.07	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.94*	
		For Stave Lumber Core (SLC), Add	*297.89*	
		For Structural Composite Lumber Core (SCLC), Add	*178.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*476.63*	
		For >50 To 100, Deduct	*-26.45*	
		For >100, Deduct	*-38.58*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.91	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.98*	
		For Stave Lumber Core (SLC), Add	*299.27*	
		For Structural Composite Lumber Core (SCLC), Add	*179.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*478.84*	
		For >50 To 100, Deduct	*-26.54*	
		For >100, Deduct	*-38.72*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	492.55	45.85
		For 7 Ply Cold Press Construction, Deduct	*-8.02*	
		For Stave Lumber Core (SLC), Add	*300.64*	
		For Structural Composite Lumber Core (SCLC), Add	*180.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*216.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*300.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*481.02*	
		For >50 To 100, Deduct	*-26.92*	
		For >100, Deduct	*-39.23*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	536.58	45.85
		For 7 Ply Cold Press Construction, Deduct	*-8.90*	
		For Stave Lumber Core (SLC), Add	*333.66*	
		For Structural Composite Lumber Core (SCLC), Add	*200.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*240.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*333.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*533.86*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-42.54*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	625.87	47.76
		For 7 Ply Cold Press Construction, Deduct	*-10.61*	
		For Stave Lumber Core (SLC), Add	*397.76*	
		For Structural Composite Lumber Core (SCLC), Add	*238.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*63.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*286.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*397.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*636.41*	
		For >50 To 100, Deduct	*-33.68*	
		For >100, Deduct	*-49.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	681.70	47.76
		For 7 Ply Cold Press Construction, Deduct	*-11.72*	
		For Stave Lumber Core (SLC), Add	*439.63*	
		For Structural Composite Lumber Core (SCLC), Add	*263.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*439.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*703.40*	
		For >50 To 100, Deduct	*-36.47*	
		For >100, Deduct	*-53.52*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	737.56	47.76
		For 7 Ply Cold Press Construction, Deduct	*-12.84*	
		For Stave Lumber Core (SLC), Add	*481.52*	
		For Structural Composite Lumber Core (SCLC), Add	*288.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*77.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*346.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*481.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*770.44*	
		For >50 To 100, Deduct	*-39.27*	
		For >100, Deduct	*-57.71*	

08 14 16 00-0503 Lauan Faced Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	243.84	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.72*	
		For >50 To 100, Deduct	*-14.29*	
		For >100, Deduct	*-20.39*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	243.84	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.72*	
		For >50 To 100, Deduct	*-14.29*	
		For >100, Deduct	*-20.39*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	248.11	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*192.28*	
		For >50 To 100, Deduct	*-14.60*	
		For >100, Deduct	*-20.81*	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	252.71	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.80*	
		For >50 To 100, Deduct	*-14.83*	
		For >100, Deduct	*-21.15*	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	254.37	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.90*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.79*	
		For >50 To 100, Deduct	*-14.92*	
		For >100, Deduct	*-21.27*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	259.86	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*201.79*	
		For >50 To 100, Deduct	*-15.29*	
		For >100, Deduct	*-21.78*	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	275.06	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*220.03*	
		For >50 To 100, Deduct	*-16.05*	
		For >100, Deduct	*-22.92*	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	291.96	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.72*	
		For >50 To 100, Deduct	*-16.99*	
		For >100, Deduct	*-24.29*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	301.79	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*247.51*	
		For >50 To 100, Deduct	*-17.48*	
		For >100, Deduct	*-25.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	321.44	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*169.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*271.09*	
		For >50 To 100, Deduct	*-18.46*	
		For >100, Deduct	*-26.50*	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	253.13	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.87*	
		For >50 To 100, Deduct	*-14.76*	
		For >100, Deduct	*-21.09*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	253.12	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.86*	
		For >50 To 100, Deduct	*-14.76*	
		For >100, Deduct	*-21.09*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	257.43	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*203.46*	
		For >50 To 100, Deduct	*-15.07*	
		For >100, Deduct	*-21.50*	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	262.29	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.29*	
		For >50 To 100, Deduct	*-15.31*	
		For >100, Deduct	*-21.87*	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	264.07	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*211.43*	
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-22.00*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	269.64	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*96.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.53*	
		For >50 To 100, Deduct	*-15.77*	
		For >100, Deduct	*-22.52*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	285.72	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.82*	
		For >50 To 100, Deduct	*-16.58*	
		For >100, Deduct	*-23.72*	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	303.40	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.44*	
		For >50 To 100, Deduct	*-17.56*	
		For >100, Deduct	*-25.14*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.79	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.91*	
		For >50 To 100, Deduct	*-18.08*	
		For >100, Deduct	*-25.92*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	334.59	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*129.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*179.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*286.87*	
		For >50 To 100, Deduct	*-19.12*	
		For >100, Deduct	*-27.48*	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	286.08	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.41*	
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-23.56*	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	286.08	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.41*	
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-23.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	290.48	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.12*	
		For >50 To 100, Deduct	*-16.72*	
		For >100, Deduct	*-23.98*	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	296.31	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*156.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*250.12*	
		For >50 To 100, Deduct	*-17.01*	
		For >100, Deduct	*-24.42*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	298.44	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.67*	
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-24.58*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	304.35	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.18*	
		For >50 To 100, Deduct	*-17.51*	
		For >100, Deduct	*-25.12*	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	323.57	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*125.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*278.24*	
		For >50 To 100, Deduct	*-18.47*	
		For >100, Deduct	*-26.56*	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	343.93	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*186.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*298.08*	
		For >50 To 100, Deduct	*-19.58*	
		For >100, Deduct	*-28.18*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	356.34	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.97*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-29.11*	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	381.21	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*154.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*214.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*342.82*	
		For >50 To 100, Deduct	*-21.45*	
		For >100, Deduct	*-30.98*	

08 14 16 00-0534 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0409)*

08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	250.62	42.03
		For Stave Lumber Core (SLC), Add	*124.91*	
		For Structural Composite Lumber Core (SCLC), Add	*74.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.99*	
		For >50 To 100, Deduct	*-14.63*	
		For >100, Deduct	*-20.90*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	250.62	42.03
		For Stave Lumber Core (SLC), Add	*124.91*	
		For Structural Composite Lumber Core (SCLC), Add	*74.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.99*	
		For >50 To 100, Deduct	*-14.63*	
		For >100, Deduct	*-20.90*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	264.07	43.94
		For Stave Lumber Core (SLC), Add	*132.14*	
		For Structural Composite Lumber Core (SCLC), Add	*79.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.14*	
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-22.00*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.69	43.94
		For Stave Lumber Core (SLC), Add	*139.36*	
		For Structural Composite Lumber Core (SCLC), Add	*83.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.30*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.72*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.48	43.94
		For Stave Lumber Core (SLC), Add	*140.70*	
		For Structural Composite Lumber Core (SCLC), Add	*84.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.51*	
		For >50 To 100, Deduct	*-15.97*	
		For >100, Deduct	*-22.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.12	45.85
		For Stave Lumber Core (SLC), Add	*142.07*	
		For Structural Composite Lumber Core (SCLC), Add	*85.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.73*	
		For >50 To 100, Deduct	*-16.35*	
		For >100, Deduct	*-23.38*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	302.00	45.85
		For Stave Lumber Core (SLC), Add	*157.73*	
		For Structural Composite Lumber Core (SCLC), Add	*94.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.24*	
		For >50 To 100, Deduct	*-17.39*	
		For >100, Deduct	*-24.94*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	343.95	47.76
		For Stave Lumber Core (SLC), Add	*186.32*	
		For Structural Composite Lumber Core (SCLC), Add	*111.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.81*	
		For >50 To 100, Deduct	*-19.59*	
		For >100, Deduct	*-28.18*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	356.39	47.76
		For Stave Lumber Core (SLC), Add	*195.65*	
		For Structural Composite Lumber Core (SCLC), Add	*117.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.30*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-29.12*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	381.21	47.76
		For Stave Lumber Core (SLC), Add	*214.26*	
		For Structural Composite Lumber Core (SCLC), Add	*128.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.28*	
		For >50 To 100, Deduct	*-21.45*	
		For >100, Deduct	*-30.98*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	260.31	42.03
		For Stave Lumber Core (SLC), Add	*132.18*	
		For Structural Composite Lumber Core (SCLC), Add	*79.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.15*	
		For >50 To 100, Deduct	*-15.12*	
		For >100, Deduct	*-21.63*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	260.31	42.03
		For Stave Lumber Core (SLC), Add	*132.18*	
		For Structural Composite Lumber Core (SCLC), Add	*79.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.15*	
		For >50 To 100, Deduct	*-15.12*	
		For >100, Deduct	*-21.63*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	274.33	43.94
		For Stave Lumber Core (SLC), Add	*139.84*	
		For Structural Composite Lumber Core (SCLC), Add	*83.90*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.37*	
		For >50 To 100, Deduct	*-15.91*	
		For >100, Deduct	*-22.77*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.52	43.94
		For Stave Lumber Core (SLC), Add	*147.48*	
		For Structural Composite Lumber Core (SCLC), Add	*88.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.60*	
		For >50 To 100, Deduct	*-16.42*	
		For >100, Deduct	*-23.54*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	286.41	43.94
		For Stave Lumber Core (SLC), Add	*148.90*	
		For Structural Composite Lumber Core (SCLC), Add	*89.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.82*	
		For >50 To 100, Deduct	*-16.52*	
		For >100, Deduct	*-23.68*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.15	45.85
		For Stave Lumber Core (SLC), Add	*150.34*	
		For Structural Composite Lumber Core (SCLC), Add	*90.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.05*	
		For >50 To 100, Deduct	*-16.90*	
		For >100, Deduct	*-24.20*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	314.23	45.85
		For Stave Lumber Core (SLC), Add	*166.90*	
		For Structural Composite Lumber Core (SCLC), Add	*100.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.70*	
		For >50 To 100, Deduct	*-18.00*	
		For >100, Deduct	*-25.86*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	358.41	47.76
		For Stave Lumber Core (SLC), Add	*197.16*	
		For Structural Composite Lumber Core (SCLC), Add	*118.30*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.55*	
		For >50 To 100, Deduct	*-20.31*	
		For >100, Deduct	*-29.27*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	371.56	47.76
		For Stave Lumber Core (SLC), Add	*207.02*	
		For Structural Composite Lumber Core (SCLC), Add	*124.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.12*	
		For >50 To 100, Deduct	*-20.97*	
		For >100, Deduct	*-30.26*	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	397.84	47.76
		For Stave Lumber Core (SLC), Add	*226.73*	
		For Structural Composite Lumber Core (SCLC), Add	*136.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.28*	
		For >50 To 100, Deduct	*-22.28*	
		For >100, Deduct	*-32.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	294.68	42.03
		For Stave Lumber Core (SLC), Add	*157.96*	
		For Structural Composite Lumber Core (SCLC), Add	*94.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.27*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-24.20*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	294.68	42.03
		For Stave Lumber Core (SLC), Add	*157.96*	
		For Structural Composite Lumber Core (SCLC), Add	*94.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.27*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-24.20*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	310.69	43.94
		For Stave Lumber Core (SLC), Add	*167.11*	
		For Structural Composite Lumber Core (SCLC), Add	*100.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.74*	
		For >50 To 100, Deduct	*-17.73*	
		For >100, Deduct	*-25.50*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	322.87	43.94
		For Stave Lumber Core (SLC), Add	*176.24*	
		For Structural Composite Lumber Core (SCLC), Add	*105.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.20*	
		For >50 To 100, Deduct	*-18.34*	
		For >100, Deduct	*-26.41*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	325.12	43.94
		For Stave Lumber Core (SLC), Add	*177.93*	
		For Structural Composite Lumber Core (SCLC), Add	*106.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.47*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-26.58*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	331.25	45.85
		For Stave Lumber Core (SLC), Add	*179.66*	
		For Structural Composite Lumber Core (SCLC), Add	*107.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.75*	
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-27.14*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	357.63	45.85
		For Stave Lumber Core (SLC), Add	*199.45*	
		For Structural Composite Lumber Core (SCLC), Add	*119.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.91*	
		For >50 To 100, Deduct	*-20.17*	
		For >100, Deduct	*-29.11*	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	409.66	47.76
		For Stave Lumber Core (SLC), Add	*235.60*	
		For Structural Composite Lumber Core (SCLC), Add	*141.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.70*	
		For >50 To 100, Deduct	*-22.87*	
		For >100, Deduct	*-33.11*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	425.40	47.76
		For Stave Lumber Core (SLC), Add	*247.40*	
		For Structural Composite Lumber Core (SCLC), Add	*148.44*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.58*	
		For >50 To 100, Deduct	*-23.66*	
		For >100, Deduct	*-34.29*	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	456.79	47.76
		For Stave Lumber Core (SLC), Add	*270.95*	
		For Structural Composite Lumber Core (SCLC), Add	*162.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.35*	
		For >50 To 100, Deduct	*-25.23*	
		For >100, Deduct	*-36.65*	

08 14 16 00-0565 2-1/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0566 Birch Faced Wood Doors *(08 14 16 00-0565)*

08 14 16 00-0567	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	306.11	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.44*	
		For Stave Lumber Core (SLC), Add	*77.71*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*26.64*	
		For >10 To 50, Deduct	*-15.31*	
		For >50 To 100, Deduct	*-17.41*	
		For >100, Deduct	*-25.06*	
08 14 16 00-0568	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	306.11	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.44*	
		For Stave Lumber Core (SLC), Add	*77.71*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*26.64*	
		For >10 To 50, Deduct	*-15.31*	
		For >50 To 100, Deduct	*-17.41*	
		For >100, Deduct	*-25.06*	
08 14 16 00-0569	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	321.54	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.67*	
		For Stave Lumber Core (SLC), Add	*81.78*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*28.04*	
		For >10 To 50, Deduct	*-16.08*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-26.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0570	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	331.26	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.87*	
		For Stave Lumber Core (SLC), Add	*85.18*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*29.21*	
		For >10 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-18.76*	
		For >100, Deduct	*-27.04*	
08 14 16 00-0571	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	337.79	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.00*	
		For Stave Lumber Core (SLC), Add	*87.47*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*29.99*	
		For >10 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-19.09*	
		For >100, Deduct	*-27.53*	
08 14 16 00-0572	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	348.06	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.13*	
		For Stave Lumber Core (SLC), Add	*89.73*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*30.76*	
		For >10 To 50, Deduct	*-17.40*	
		For >50 To 100, Deduct	*-19.70*	
		For >100, Deduct	*-28.40*	
08 14 16 00-0573	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	376.25	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.69*	
		For Stave Lumber Core (SLC), Add	*99.59*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*34.15*	
		For >10 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-21.11*	
		For >100, Deduct	*-30.51*	
08 14 16 00-0574	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	441.01	47.76
		For 7 Ply Cold Press Construction, Deduct	*-6.91*	
		For Stave Lumber Core (SLC), Add	*120.92*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*41.46*	
		For >10 To 50, Deduct	*-22.05*	
		For >50 To 100, Deduct	*-24.44*	
		For >100, Deduct	*-35.46*	
08 14 16 00-0575	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	458.30	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*126.97*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*43.53*	
		For >10 To 50, Deduct	*-22.92*	
		For >50 To 100, Deduct	*-25.30*	
		For >100, Deduct	*-36.76*	
08 14 16 00-0576	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	500.46	51.58
		For 7 Ply Cold Press Construction, Deduct	*-7.95*	
		For Stave Lumber Core (SLC), Add	*139.05*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*47.67*	
		For >10 To 50, Deduct	*-25.02*	
		For >50 To 100, Deduct	*-27.60*	
		For >100, Deduct	*-40.11*	
08 14 16 00-0577	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	319.04	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.70*	
		For Stave Lumber Core (SLC), Add	*82.24*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*28.20*	
		For >10 To 50, Deduct	*-15.95*	
		For >50 To 100, Deduct	*-18.05*	
		For >100, Deduct	*-26.03*	
08 14 16 00-0578	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	319.04	42.03
		For 7 Ply Cold Press Construction, Deduct	*-4.70*	
		For Stave Lumber Core (SLC), Add	*82.24*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*28.20*	
		For >10 To 50, Deduct	*-15.95*	
		For >50 To 100, Deduct	*-18.05*	
		For >100, Deduct	*-26.03*	
08 14 16 00-0579	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	335.13	43.94
		For 7 Ply Cold Press Construction, Deduct	*-4.95*	
		For Stave Lumber Core (SLC), Add	*86.54*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*29.67*	
		For >10 To 50, Deduct	*-16.76*	
		For >50 To 100, Deduct	*-18.95*	
		For >100, Deduct	*-27.33*	
08 14 16 00-0580	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	345.44	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.15*	
		For Stave Lumber Core (SLC), Add	*90.15*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*30.91*	
		For >10 To 50, Deduct	*-17.27*	
		For >50 To 100, Deduct	*-19.47*	
		For >100, Deduct	*-28.11*	
08 14 16 00-0581	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	352.32	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.29*	
		For Stave Lumber Core (SLC), Add	*92.55*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*31.73*	
		For >10 To 50, Deduct	*-17.62*	
		For >50 To 100, Deduct	*-19.81*	
		For >100, Deduct	*-28.62*	
08 14 16 00-0582	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	362.97	45.85
		For 7 Ply Cold Press Construction, Deduct	*-5.43*	
		For Stave Lumber Core (SLC), Add	*94.94*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*32.55*	
		For >10 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-20.44*	
		For >100, Deduct	*-29.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0583	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	392.81	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.02*	
		For Stave Lumber Core (SLC), Add	*105.39*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*36.13*	
		For >10 To 50, Deduct	*-19.64*	
		For >50 To 100, Deduct	*-21.93*	
		For >100, Deduct	*-31.75*	
08 14 16 00-0584	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	461.12	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.31*	
		For Stave Lumber Core (SLC), Add	*127.96*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*43.87*	
		For >10 To 50, Deduct	*-23.06*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-36.97*	
08 14 16 00-0585	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	479.41	47.76
		For 7 Ply Cold Press Construction, Deduct	*-7.68*	
		For Stave Lumber Core (SLC), Add	*134.36*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*46.07*	
		For >10 To 50, Deduct	*-23.97*	
		For >50 To 100, Deduct	*-26.36*	
		For >100, Deduct	*-38.34*	
08 14 16 00-0586	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	523.59	51.58
		For 7 Ply Cold Press Construction, Deduct	*-8.41*	
		For Stave Lumber Core (SLC), Add	*147.15*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.45*	
		For >10 To 50, Deduct	*-26.18*	
		For >50 To 100, Deduct	*-28.76*	
		For >100, Deduct	*-41.85*	
08 14 16 00-0587	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	366.04	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.64*	
		For Stave Lumber Core (SLC), Add	*98.69*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*33.84*	
		For >10 To 50, Deduct	*-18.30*	
		For >50 To 100, Deduct	*-20.40*	
		For >100, Deduct	*-29.55*	
08 14 16 00-0588	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	366.04	42.03
		For 7 Ply Cold Press Construction, Deduct	*-5.64*	
		For Stave Lumber Core (SLC), Add	*98.69*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*33.84*	
		For >10 To 50, Deduct	*-18.30*	
		For >50 To 100, Deduct	*-20.40*	
		For >100, Deduct	*-29.55*	
08 14 16 00-0589	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	384.59	43.94
		For 7 Ply Cold Press Construction, Deduct	*-5.93*	
		For Stave Lumber Core (SLC), Add	*103.85*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*35.61*	
		For >10 To 50, Deduct	*-19.23*	
		For >50 To 100, Deduct	*-21.43*	
		For >100, Deduct	*-31.04*	
08 14 16 00-0590	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	396.95	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.18*	
		For Stave Lumber Core (SLC), Add	*108.17*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*37.09*	
		For >10 To 50, Deduct	*-19.85*	
		For >50 To 100, Deduct	*-22.04*	
		For >100, Deduct	*-31.97*	
08 14 16 00-0591	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.21	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*111.07*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*38.08*	
		For >10 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-22.46*	
		For >100, Deduct	*-32.59*	
08 14 16 00-0592	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.22	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.51*	
		For Stave Lumber Core (SLC), Add	*113.93*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*39.06*	
		For >10 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-23.15*	
		For >100, Deduct	*-33.58*	
08 14 16 00-0593	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	453.04	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.23*	
		For Stave Lumber Core (SLC), Add	*126.47*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*43.36*	
		For >10 To 50, Deduct	*-22.65*	
		For >50 To 100, Deduct	*-24.94*	
		For >100, Deduct	*-36.27*	
08 14 16 00-0594	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	534.24	47.76
		For 7 Ply Cold Press Construction, Deduct	*-8.77*	
		For Stave Lumber Core (SLC), Add	*153.55*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*52.65*	
		For >10 To 50, Deduct	*-26.71*	
		For >50 To 100, Deduct	*-29.10*	
		For >100, Deduct	*-42.46*	
08 14 16 00-0595	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	556.20	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.21*	
		For Stave Lumber Core (SLC), Add	*161.23*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*55.28*	
		For >10 To 50, Deduct	*-27.81*	
		For >50 To 100, Deduct	*-30.20*	
		For >100, Deduct	*-44.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0596	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	607.67	51.58
		For 7 Ply Cold Press Construction, Deduct	*-10.09*	
		For Stave Lumber Core (SLC), Add	*176.58*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.54*	
		For >10 To 50, Deduct	*-30.38*	
		For >50 To 100, Deduct	*-32.96*	
		For >100, Deduct	*-48.15*	
08 14 16 00-0597		**Oak Faced Wood Doors** *(08 14 16 00-0565)*		
08 14 16 00-0598	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	417.16	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.66*	
		For Stave Lumber Core (SLC), Add	*116.58*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*39.97*	
		For >10 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-22.96*	
		For >100, Deduct	*-33.39*	
08 14 16 00-0599	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	417.16	42.03
		For 7 Ply Cold Press Construction, Deduct	*-6.66*	
		For Stave Lumber Core (SLC), Add	*116.58*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*39.97*	
		For >10 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-22.96*	
		For >100, Deduct	*-33.39*	
08 14 16 00-0600	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	420.97	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.66*	
		For Stave Lumber Core (SLC), Add	*116.58*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*39.97*	
		For >10 To 50, Deduct	*-21.05*	
		For >50 To 100, Deduct	*-23.25*	
		For >100, Deduct	*-33.77*	
08 14 16 00-0601	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	424.43	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.73*	
		For Stave Lumber Core (SLC), Add	*117.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*40.39*	
		For >10 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-23.42*	
		For >100, Deduct	*-34.03*	
08 14 16 00-0602	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	425.96	43.94
		For 7 Ply Cold Press Construction, Deduct	*-6.76*	
		For Stave Lumber Core (SLC), Add	*118.33*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*40.57*	
		For >10 To 50, Deduct	*-21.30*	
		For >50 To 100, Deduct	*-23.50*	
		For >100, Deduct	*-34.14*	
08 14 16 00-0603	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	431.32	45.85
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*118.87*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*40.75*	
		For >10 To 50, Deduct	*-21.57*	
		For >50 To 100, Deduct	*-23.86*	
		For >100, Deduct	*-34.64*	
08 14 16 00-0604	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	468.65	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.54*	
		For Stave Lumber Core (SLC), Add	*131.93*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*45.23*	
		For >10 To 50, Deduct	*-23.43*	
		For >50 To 100, Deduct	*-25.73*	
		For >100, Deduct	*-37.44*	
08 14 16 00-0605	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	568.53	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.46*	
		For Stave Lumber Core (SLC), Add	*165.55*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*56.76*	
		For >10 To 50, Deduct	*-28.43*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.03*	
08 14 16 00-0606	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	592.51	47.76
		For 7 Ply Cold Press Construction, Deduct	*-9.94*	
		For Stave Lumber Core (SLC), Add	*173.94*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*59.64*	
		For >10 To 50, Deduct	*-29.63*	
		For >50 To 100, Deduct	*-32.01*	
		For >100, Deduct	*-46.83*	
08 14 16 00-0607	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	647.12	51.58
		For 7 Ply Cold Press Construction, Deduct	*-10.88*	
		For Stave Lumber Core (SLC), Add	*190.38*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*65.27*	
		For >10 To 50, Deduct	*-32.36*	
		For >50 To 100, Deduct	*-34.94*	
		For >100, Deduct	*-51.11*	
08 14 16 00-0608	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	436.56	42.03
		For 7 Ply Cold Press Construction, Deduct	*-7.05*	
		For Stave Lumber Core (SLC), Add	*123.37*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*42.30*	
		For >10 To 50, Deduct	*-21.83*	
		For >50 To 100, Deduct	*-23.93*	
		For >100, Deduct	*-34.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0609	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	436.56	42.03
		For 7 Ply Cold Press Construction, Deduct	*-7.05*	
		For Stave Lumber Core (SLC), Add	*123.37*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*42.30*	
		For >10 To 50, Deduct	*-21.83*	
		For >50 To 100, Deduct	*-23.93*	
		For >100, Deduct	*-34.84*	
08 14 16 00-0610	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	440.37	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.05*	
		For Stave Lumber Core (SLC), Add	*123.37*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*42.30*	
		For >10 To 50, Deduct	*-22.02*	
		For >50 To 100, Deduct	*-24.22*	
		For >100, Deduct	*-35.22*	
08 14 16 00-0611	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	444.00	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*124.64*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*42.73*	
		For >10 To 50, Deduct	*-22.20*	
		For >50 To 100, Deduct	*-24.40*	
		For >100, Deduct	*-35.50*	
08 14 16 00-0612	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	445.64	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.16*	
		For Stave Lumber Core (SLC), Add	*125.22*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*42.93*	
		For >10 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-24.48*	
		For >100, Deduct	*-35.62*	
08 14 16 00-0613	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	451.10	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*125.79*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*43.13*	
		For >10 To 50, Deduct	*-22.56*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-36.13*	
08 14 16 00-0614	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	490.58	45.85
		For 7 Ply Cold Press Construction, Deduct	*-7.98*	
		For Stave Lumber Core (SLC), Add	*139.61*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*47.87*	
		For >10 To 50, Deduct	*-24.53*	
		For >50 To 100, Deduct	*-26.82*	
		For >100, Deduct	*-39.09*	
08 14 16 00-0615	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	596.06	47.76
		For 7 Ply Cold Press Construction, Deduct	*-10.01*	
		For Stave Lumber Core (SLC), Add	*175.19*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.06*	
		For >10 To 50, Deduct	*-29.80*	
		For >50 To 100, Deduct	*-32.19*	
		For >100, Deduct	*-47.09*	
08 14 16 00-0616	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	621.42	47.76
		For 7 Ply Cold Press Construction, Deduct	*-10.52*	
		For Stave Lumber Core (SLC), Add	*184.06*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*63.11*	
		For >10 To 50, Deduct	*-31.07*	
		For >50 To 100, Deduct	*-33.46*	
		For >100, Deduct	*-48.99*	
08 14 16 00-0617	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	678.78	51.58
		For 7 Ply Cold Press Construction, Deduct	*-11.51*	
		For Stave Lumber Core (SLC), Add	*201.46*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*69.07*	
		For >10 To 50, Deduct	*-33.94*	
		For >50 To 100, Deduct	*-36.52*	
		For >100, Deduct	*-53.49*	
08 14 16 00-0618	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.05	42.03
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*148.04*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.76*	
		For >10 To 50, Deduct	*-25.35*	
		For >50 To 100, Deduct	*-27.45*	
		For >100, Deduct	*-40.13*	
08 14 16 00-0619	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.05	42.03
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*148.04*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.76*	
		For >10 To 50, Deduct	*-25.35*	
		For >50 To 100, Deduct	*-27.45*	
		For >100, Deduct	*-40.13*	
08 14 16 00-0620	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	510.86	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*148.04*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.76*	
		For >10 To 50, Deduct	*-25.54*	
		For >50 To 100, Deduct	*-27.74*	
		For >100, Deduct	*-40.51*	
08 14 16 00-0621	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	515.23	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.55*	
		For Stave Lumber Core (SLC), Add	*149.57*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.28*	
		For >10 To 50, Deduct	*-25.76*	
		For >50 To 100, Deduct	*-27.96*	
		For >100, Deduct	*-40.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0622	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	517.18	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*150.26*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.52*	
		For >10 To 50, Deduct	*-25.86*	
		For >50 To 100, Deduct	*-28.06*	
		For >100, Deduct	*-40.99*	
08 14 16 00-0623	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	522.97	45.85
		For 7 Ply Cold Press Construction, Deduct	*-8.63*	
		For Stave Lumber Core (SLC), Add	*150.94*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.75*	
		For >10 To 50, Deduct	*-26.15*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-41.52*	
08 14 16 00-0624	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	570.36	45.85
		For 7 Ply Cold Press Construction, Deduct	*-9.57*	
		For Stave Lumber Core (SLC), Add	*167.53*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*57.44*	
		For >10 To 50, Deduct	*-28.52*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.07*	
08 14 16 00-0625	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	696.16	47.76
		For 7 Ply Cold Press Construction, Deduct	*-12.01*	
		For Stave Lumber Core (SLC), Add	*210.22*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*72.08*	
		For >10 To 50, Deduct	*-34.81*	
		For >50 To 100, Deduct	*-37.20*	
		For >100, Deduct	*-54.60*	
08 14 16 00-0626	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	726.61	47.76
		For 7 Ply Cold Press Construction, Deduct	*-12.62*	
		For Stave Lumber Core (SLC), Add	*220.88*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*75.73*	
		For >10 To 50, Deduct	*-36.33*	
		For >50 To 100, Deduct	*-38.72*	
		For >100, Deduct	*-56.88*	
08 14 16 00-0627	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	793.89	51.58
		For 7 Ply Cold Press Construction, Deduct	*-13.81*	
		For Stave Lumber Core (SLC), Add	*241.75*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*82.89*	
		For >10 To 50, Deduct	*-39.69*	
		For >50 To 100, Deduct	*-42.27*	
		For >100, Deduct	*-62.12*	

08 14 16 00-0628 Maple Faced Wood Doors *(08 14 16 00-0565)*

08 14 16 00-0629	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	483.79	42.03
		For 7 Ply Cold Press Construction, Deduct	*-7.99*	
		For Stave Lumber Core (SLC), Add	*139.90*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*47.97*	
		For >10 To 50, Deduct	*-24.19*	
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-38.39*	
08 14 16 00-0630	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	483.79	42.03
		For 7 Ply Cold Press Construction, Deduct	*-7.99*	
		For Stave Lumber Core (SLC), Add	*139.90*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*47.97*	
		For >10 To 50, Deduct	*-24.19*	
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-38.39*	
08 14 16 00-0631	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.60	43.94
		For 7 Ply Cold Press Construction, Deduct	*-7.99*	
		For Stave Lumber Core (SLC), Add	*139.90*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*47.97*	
		For >10 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-26.58*	
		For >100, Deduct	*-38.77*	
08 14 16 00-0632	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	491.75	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.08*	
		For Stave Lumber Core (SLC), Add	*141.35*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*48.46*	
		For >10 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-39.08*	
08 14 16 00-0633	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	493.59	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.11*	
		For Stave Lumber Core (SLC), Add	*142.00*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*48.69*	
		For >10 To 50, Deduct	*-24.68*	
		For >50 To 100, Deduct	*-26.88*	
		For >100, Deduct	*-39.22*	
08 14 16 00-0634	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	499.25	45.85
		For 7 Ply Cold Press Construction, Deduct	*-8.15*	
		For Stave Lumber Core (SLC), Add	*142.64*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*48.91*	
		For >10 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-27.26*	
		For >100, Deduct	*-39.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0635	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	544.03	45.85
		For 7 Ply Cold Press Construction, Deduct	*-9.05*	
		For Stave Lumber Core (SLC), Add	*158.32*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*54.28*	
		For >10 To 50, Deduct	*-27.20*	
		For >50 To 100, Deduct	*-29.49*	
		For >100, Deduct	*-43.09*	
08 14 16 00-0636	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	634.75	47.76
		For 7 Ply Cold Press Construction, Deduct	*-10.78*	
		For Stave Lumber Core (SLC), Add	*188.73*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*64.71*	
		For >10 To 50, Deduct	*-31.74*	
		For >50 To 100, Deduct	*-34.13*	
		For >100, Deduct	*-49.99*	
08 14 16 00-0637	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	691.53	47.76
		For 7 Ply Cold Press Construction, Deduct	*-11.92*	
		For Stave Lumber Core (SLC), Add	*208.60*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*71.52*	
		For >10 To 50, Deduct	*-34.58*	
		For >50 To 100, Deduct	*-36.96*	
		For >100, Deduct	*-54.25*	
08 14 16 00-0638	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	748.31	47.76
		For 7 Ply Cold Press Construction, Deduct	*-13.06*	
		For Stave Lumber Core (SLC), Add	*228.47*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*78.33*	
		For >10 To 50, Deduct	*-37.42*	
		For >50 To 100, Deduct	*-39.80*	
		For >100, Deduct	*-58.51*	
08 14 16 00-0639	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.05	42.03
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*148.04*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.76*	
		For >10 To 50, Deduct	*-25.35*	
		For >50 To 100, Deduct	*-27.45*	
		For >100, Deduct	*-40.13*	
08 14 16 00-0640	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.05	42.03
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*148.04*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.76*	
		For >10 To 50, Deduct	*-25.35*	
		For >50 To 100, Deduct	*-27.45*	
		For >100, Deduct	*-40.13*	
08 14 16 00-0641	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	510.86	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.46*	
		For Stave Lumber Core (SLC), Add	*148.04*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*50.76*	
		For >10 To 50, Deduct	*-25.54*	
		For >50 To 100, Deduct	*-27.74*	
		For >100, Deduct	*-40.51*	
08 14 16 00-0642	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	515.23	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.55*	
		For Stave Lumber Core (SLC), Add	*149.57*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.28*	
		For >10 To 50, Deduct	*-25.76*	
		For >50 To 100, Deduct	*-27.96*	
		For >100, Deduct	*-40.84*	
08 14 16 00-0643	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	517.18	43.94
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*150.26*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.52*	
		For >10 To 50, Deduct	*-25.86*	
		For >50 To 100, Deduct	*-28.06*	
		For >100, Deduct	*-40.99*	
08 14 16 00-0644	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	522.97	45.85
		For 7 Ply Cold Press Construction, Deduct	*-8.63*	
		For Stave Lumber Core (SLC), Add	*150.94*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*51.75*	
		For >10 To 50, Deduct	*-26.15*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-41.52*	
08 14 16 00-0645	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	570.36	45.85
		For 7 Ply Cold Press Construction, Deduct	*-9.57*	
		For Stave Lumber Core (SLC), Add	*167.53*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*57.44*	
		For >10 To 50, Deduct	*-28.52*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.07*	
08 14 16 00-0646	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	666.15	47.76
		For 7 Ply Cold Press Construction, Deduct	*-11.41*	
		For Stave Lumber Core (SLC), Add	*199.72*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*68.47*	
		For >10 To 50, Deduct	*-33.31*	
		For >50 To 100, Deduct	*-35.70*	
		For >100, Deduct	*-52.35*	
08 14 16 00-0647	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	726.74	47.76
		For 7 Ply Cold Press Construction, Deduct	*-12.62*	
		For Stave Lumber Core (SLC), Add	*220.92*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*75.75*	
		For >10 To 50, Deduct	*-36.34*	
		For >50 To 100, Deduct	*-38.73*	
		For >100, Deduct	*-56.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0648	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	786.28	47.76
		For 7 Ply Cold Press Construction, Deduct	*-13.82*	
		For Stave Lumber Core (SLC), Add	*241.76*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*82.89*	
		For >10 To 50, Deduct	*-39.31*	
		For >50 To 100, Deduct	*-41.70*	
		For >100, Deduct	*-61.36*	
08 14 16 00-0649	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	591.64	42.03
		For 7 Ply Cold Press Construction, Deduct	*-10.15*	
		For Stave Lumber Core (SLC), Add	*177.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.91*	
		For >10 To 50, Deduct	*-29.58*	
		For >50 To 100, Deduct	*-31.68*	
		For >100, Deduct	*-46.47*	
08 14 16 00-0650	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	591.64	42.03
		For 7 Ply Cold Press Construction, Deduct	*-10.15*	
		For Stave Lumber Core (SLC), Add	*177.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.91*	
		For >10 To 50, Deduct	*-29.58*	
		For >50 To 100, Deduct	*-31.68*	
		For >100, Deduct	*-46.47*	
08 14 16 00-0651	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	595.45	43.94
		For 7 Ply Cold Press Construction, Deduct	*-10.15*	
		For Stave Lumber Core (SLC), Add	*177.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*60.91*	
		For >10 To 50, Deduct	*-29.77*	
		For >50 To 100, Deduct	*-31.97*	
		For >100, Deduct	*-46.86*	
08 14 16 00-0652	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.69	43.94
		For 7 Ply Cold Press Construction, Deduct	*-10.26*	
		For Stave Lumber Core (SLC), Add	*179.48*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*61.54*	
		For >10 To 50, Deduct	*-30.03*	
		For >50 To 100, Deduct	*-32.23*	
		For >100, Deduct	*-47.25*	
08 14 16 00-0653	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	603.05	43.94
		For 7 Ply Cold Press Construction, Deduct	*-10.30*	
		For Stave Lumber Core (SLC), Add	*180.31*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*61.82*	
		For >10 To 50, Deduct	*-30.15*	
		For >50 To 100, Deduct	*-32.35*	
		For >100, Deduct	*-47.43*	
08 14 16 00-0654	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	609.22	45.85
		For 7 Ply Cold Press Construction, Deduct	*-10.35*	
		For Stave Lumber Core (SLC), Add	*181.13*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*62.10*	
		For >10 To 50, Deduct	*-30.46*	
		For >50 To 100, Deduct	*-32.75*	
		For >100, Deduct	*-47.98*	
08 14 16 00-0655	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	666.08	45.85
		For 7 Ply Cold Press Construction, Deduct	*-11.49*	
		For Stave Lumber Core (SLC), Add	*201.03*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*68.93*	
		For >10 To 50, Deduct	*-33.30*	
		For >50 To 100, Deduct	*-35.60*	
		For >100, Deduct	*-52.25*	
08 14 16 00-0656	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	780.24	47.76
		For 7 Ply Cold Press Construction, Deduct	*-13.69*	
		For Stave Lumber Core (SLC), Add	*239.65*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*82.17*	
		For >10 To 50, Deduct	*-39.01*	
		For >50 To 100, Deduct	*-41.40*	
		For >100, Deduct	*-60.91*	
08 14 16 00-0657	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	852.37	47.76
		For 7 Ply Cold Press Construction, Deduct	*-15.14*	
		For Stave Lumber Core (SLC), Add	*264.89*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*90.82*	
		For >10 To 50, Deduct	*-42.62*	
		For >50 To 100, Deduct	*-45.01*	
		For >100, Deduct	*-66.32*	
08 14 16 00-0658	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	924.42	47.76
		For 7 Ply Cold Press Construction, Deduct	*-16.58*	
		For Stave Lumber Core (SLC), Add	*290.11*	
		For Commercial Grade 45 Minute Fire Rated Door, Add	*99.47*	
		For >10 To 50, Deduct	*-46.22*	
		For >50 To 100, Deduct	*-48.61*	
		For >100, Deduct	*-71.72*	

08 14 16 00-0659 Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*

08 14 16 00-0660	EA	Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes any standard manufacturer color on six sides.	42.50	
		For Custom Color To Match Non Standard Manufacturer Finish, Add	*14.15*	

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	551.90	93.99
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	588.77	103.17
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	631.41	113.86
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	660.23	117.68
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	705.07	129.53
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	766.41	133.73

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	183.95	42.03
		For Structural Composite Lumber Core (SCLC), Add	*44.95*	
		For 5 Ply Construction, Add	*3.50*	
		For >50 To 100, Deduct	*-11.30*	
		For >100, Deduct	*-15.90*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	183.95	42.03
		For Structural Composite Lumber Core (SCLC), Add	*44.95*	
		For 5 Ply Construction, Add	*3.50*	
		For >50 To 100, Deduct	*-11.30*	
		For >100, Deduct	*-15.90*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	193.25	43.94
		For Structural Composite Lumber Core (SCLC), Add	*47.42*	
		For 5 Ply Construction, Add	*3.69*	
		For >50 To 100, Deduct	*-11.86*	
		For >100, Deduct	*-16.69*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	198.74	43.94
		For Structural Composite Lumber Core (SCLC), Add	*49.89*	
		For 5 Ply Construction, Add	*3.88*	
		For >50 To 100, Deduct	*-12.13*	
		For >100, Deduct	*-17.10*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	201.52	43.94
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For 5 Ply Construction, Add	*3.98*	
		For >50 To 100, Deduct	*-12.27*	
		For >100, Deduct	*-17.31*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	208.09	45.85
		For Structural Composite Lumber Core (SCLC), Add	*52.38*	
		For 5 Ply Construction, Add	*4.07*	
		For >50 To 100, Deduct	*-12.70*	
		For >100, Deduct	*-17.90*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	220.89	45.85
		For Structural Composite Lumber Core (SCLC), Add	*58.14*	
		For 5 Ply Construction, Add	*4.52*	
		For >50 To 100, Deduct	*-13.34*	
		For >100, Deduct	*-18.86*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	232.99	47.76
		For Structural Composite Lumber Core (SCLC), Add	*61.86*	
		For 5 Ply Construction, Add	*4.81*	
		For >50 To 100, Deduct	*-14.04*	
		For >100, Deduct	*-19.86*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	189.76	42.03
		For Structural Composite Lumber Core (SCLC), Add	*47.56*	
		For 5 Ply Construction, Add	*3.70*	
		For >50 To 100, Deduct	*-11.59*	
		For >100, Deduct	*-16.33*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	189.76	42.03
		For Structural Composite Lumber Core (SCLC), Add	*47.56*	
		For 5 Ply Construction, Add	*3.70*	
		For >50 To 100, Deduct	*-11.59*	
		For >100, Deduct	*-16.33*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	199.38	43.94
		For Structural Composite Lumber Core (SCLC), Add	*50.18*	
		For 5 Ply Construction, Add	*3.90*	
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-17.15*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	205.19	43.94
		For Structural Composite Lumber Core (SCLC), Add	*52.79*	
		For 5 Ply Construction, Add	*4.11*	
		For >50 To 100, Deduct	*-12.46*	
		For >100, Deduct	*-17.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	208.12	43.94
		For Structural Composite Lumber Core (SCLC), Add	*54.11*	
		For 5 Ply Construction, Add	*4.21*	
		For >50 To 100, Deduct	*-12.60*	
		For >100, Deduct	*-17.81*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	214.86	45.85
		For Structural Composite Lumber Core (SCLC), Add	*55.42*	
		For 5 Ply Construction, Add	*4.31*	
		For >50 To 100, Deduct	*-13.04*	
		For >100, Deduct	*-18.41*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	228.41	45.85
		For Structural Composite Lumber Core (SCLC), Add	*61.52*	
		For 5 Ply Construction, Add	*4.78*	
		For >50 To 100, Deduct	*-13.71*	
		For >100, Deduct	*-19.42*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	240.99	47.76
		For Structural Composite Lumber Core (SCLC), Add	*65.46*	
		For 5 Ply Construction, Add	*5.09*	
		For >50 To 100, Deduct	*-14.44*	
		For >100, Deduct	*-20.46*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	210.37	42.03
		For Structural Composite Lumber Core (SCLC), Add	*56.84*	
		For 5 Ply Construction, Add	*4.42*	
		For >50 To 100, Deduct	*-12.62*	
		For >100, Deduct	*-17.88*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	210.37	42.03
		For Structural Composite Lumber Core (SCLC), Add	*56.84*	
		For 5 Ply Construction, Add	*4.42*	
		For >50 To 100, Deduct	*-12.62*	
		For >100, Deduct	*-17.88*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	221.13	43.94
		For Structural Composite Lumber Core (SCLC), Add	*59.96*	
		For 5 Ply Construction, Add	*4.66*	
		For >50 To 100, Deduct	*-13.25*	
		For >100, Deduct	*-18.78*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	228.07	43.94
		For Structural Composite Lumber Core (SCLC), Add	*63.09*	
		For 5 Ply Construction, Add	*4.91*	
		For >50 To 100, Deduct	*-13.60*	
		For >100, Deduct	*-19.30*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	231.57	43.94
		For Structural Composite Lumber Core (SCLC), Add	*64.66*	
		For 5 Ply Construction, Add	*5.03*	
		For >50 To 100, Deduct	*-13.78*	
		For >100, Deduct	*-19.56*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	238.88	45.85
		For Structural Composite Lumber Core (SCLC), Add	*66.23*	
		For 5 Ply Construction, Add	*5.15*	
		For >50 To 100, Deduct	*-14.24*	
		For >100, Deduct	*-20.21*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	255.06	45.85
		For Structural Composite Lumber Core (SCLC), Add	*73.51*	
		For 5 Ply Construction, Add	*5.72*	
		For >50 To 100, Deduct	*-15.05*	
		For >100, Deduct	*-21.42*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	269.35	47.76
		For Structural Composite Lumber Core (SCLC), Add	*78.22*	
		For 5 Ply Construction, Add	*6.08*	
		For >50 To 100, Deduct	*-15.86*	
		For >100, Deduct	*-22.59*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	254.23	42.03
		For 5 Ply Construction, Add	*5.96*	
		For Stave Lumber Core (SLC), Add	*127.62*	
		For Structural Composite Lumber Core (SCLC), Add	*76.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.19*	
		For >50 To 100, Deduct	*-14.81*	
		For >100, Deduct	*-21.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	254.22	42.03
		For 5 Ply Construction, Add	*5.96*	
		For Stave Lumber Core (SLC), Add	*127.61*	
		For Structural Composite Lumber Core (SCLC), Add	*76.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.18*	
		For >50 To 100, Deduct	*-14.81*	
		For >100, Deduct	*-21.17*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	263.35	43.94
		For 5 Ply Construction, Add	*6.14*	
		For Stave Lumber Core (SLC), Add	*131.60*	
		For Structural Composite Lumber Core (SCLC), Add	*78.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*210.56*	
		For >50 To 100, Deduct	*-15.36*	
		For >100, Deduct	*-21.95*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	263.35	43.94
		For 5 Ply Construction, Add	*6.14*	
		For Stave Lumber Core (SLC), Add	*131.60*	
		For Structural Composite Lumber Core (SCLC), Add	*78.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*210.56*	
		For >50 To 100, Deduct	*-15.36*	
		For >100, Deduct	*-21.95*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	273.89	43.94
		For 5 Ply Construction, Add	*6.51*	
		For Stave Lumber Core (SLC), Add	*139.51*	
		For Structural Composite Lumber Core (SCLC), Add	*83.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*223.21*	
		For >50 To 100, Deduct	*-15.89*	
		For >100, Deduct	*-22.74*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	288.25	45.85
		For 5 Ply Construction, Add	*6.88*	
		For Stave Lumber Core (SLC), Add	*147.41*	
		For Structural Composite Lumber Core (SCLC), Add	*88.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.86*	
		For >50 To 100, Deduct	*-16.71*	
		For >100, Deduct	*-23.91*	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	299.02	45.85
		For 5 Ply Construction, Add	*7.26*	
		For Stave Lumber Core (SLC), Add	*155.49*	
		For Structural Composite Lumber Core (SCLC), Add	*93.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.78*	
		For >50 To 100, Deduct	*-17.24*	
		For >100, Deduct	*-24.72*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	308.23	47.76
		For 5 Ply Construction, Add	*7.44*	
		For Stave Lumber Core (SLC), Add	*159.53*	
		For Structural Composite Lumber Core (SCLC), Add	*95.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.24*	
		For >50 To 100, Deduct	*-17.80*	
		For >100, Deduct	*-25.51*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	318.86	47.76
		For 5 Ply Construction, Add	*7.82*	
		For Stave Lumber Core (SLC), Add	*167.50*	
		For Structural Composite Lumber Core (SCLC), Add	*100.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.00*	
		For >50 To 100, Deduct	*-18.33*	
		For >100, Deduct	*-26.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.77	51.58
		For 5 Ply Construction, Add	*8.56*	
		For Stave Lumber Core (SLC), Add	*183.45*	
		For Structural Composite Lumber Core (SCLC), Add	*110.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.52*	
		For >50 To 100, Deduct	*-19.97*	
		For >100, Deduct	*-28.66*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	264.13	42.03
		For 5 Ply Construction, Add	*6.30*	
		For Stave Lumber Core (SLC), Add	*135.05*	
		For Structural Composite Lumber Core (SCLC), Add	*81.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.07*	
		For >50 To 100, Deduct	*-15.31*	
		For >100, Deduct	*-21.91*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	264.12	42.03
		For 5 Ply Construction, Add	*6.30*	
		For Stave Lumber Core (SLC), Add	*135.04*	
		For Structural Composite Lumber Core (SCLC), Add	*81.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.06*	
		For >50 To 100, Deduct	*-15.31*	
		For >100, Deduct	*-21.91*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	273.57	43.94
		For 5 Ply Construction, Add	*6.50*	
		For Stave Lumber Core (SLC), Add	*139.27*	
		For Structural Composite Lumber Core (SCLC), Add	*83.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*222.83*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.71*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	273.57	43.94
		For 5 Ply Construction, Add	*6.50*	
		For Stave Lumber Core (SLC), Add	*139.27*	
		For Structural Composite Lumber Core (SCLC), Add	*83.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*222.83*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.71*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	284.72	43.94
		For 5 Ply Construction, Add	*6.89*	
		For Stave Lumber Core (SLC), Add	*147.63*	
		For Structural Composite Lumber Core (SCLC), Add	*88.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.21*	
		For >50 To 100, Deduct	*-16.43*	
		For >100, Deduct	*-23.55*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	299.69	45.85
		For 5 Ply Construction, Add	*7.28*	
		For Stave Lumber Core (SLC), Add	*155.99*	
		For Structural Composite Lumber Core (SCLC), Add	*93.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.59*	
		For >50 To 100, Deduct	*-17.28*	
		For >100, Deduct	*-24.77*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.08	45.85
		For 5 Ply Construction, Add	*7.68*	
		For Stave Lumber Core (SLC), Add	*164.54*	
		For Structural Composite Lumber Core (SCLC), Add	*98.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.26*	
		For >50 To 100, Deduct	*-17.85*	
		For >100, Deduct	*-25.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	320.61	47.76
		For 5 Ply Construction, Add	*7.88*	
		For Stave Lumber Core (SLC), Add	*168.81*	
		For Structural Composite Lumber Core (SCLC), Add	*101.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.10*	
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-26.43*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	331.86	47.76
		For 5 Ply Construction, Add	*8.27*	
		For Stave Lumber Core (SLC), Add	*177.25*	
		For Structural Composite Lumber Core (SCLC), Add	*106.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*283.60*	
		For >50 To 100, Deduct	*-18.98*	
		For >100, Deduct	*-27.28*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	362.01	51.58
		For 5 Ply Construction, Add	*9.06*	
		For Stave Lumber Core (SLC), Add	*194.13*	
		For Structural Composite Lumber Core (SCLC), Add	*116.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.61*	
		For >50 To 100, Deduct	*-20.68*	
		For >100, Deduct	*-29.73*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	299.25	42.03
		For 5 Ply Construction, Add	*7.53*	
		For Stave Lumber Core (SLC), Add	*161.39*	
		For Structural Composite Lumber Core (SCLC), Add	*96.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*258.22*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-24.55*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	299.24	42.03
		For 5 Ply Construction, Add	*7.53*	
		For Stave Lumber Core (SLC), Add	*161.38*	
		For Structural Composite Lumber Core (SCLC), Add	*96.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.38*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*258.20*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-24.54*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	309.78	43.94
		For 5 Ply Construction, Add	*7.77*	
		For Stave Lumber Core (SLC), Add	*166.43*	
		For Structural Composite Lumber Core (SCLC), Add	*99.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*266.28*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-25.43*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	309.78	43.94
		For 5 Ply Construction, Add	*7.77*	
		For Stave Lumber Core (SLC), Add	*166.43*	
		For Structural Composite Lumber Core (SCLC), Add	*99.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*266.28*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-25.43*	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	323.10	43.94
		For 5 Ply Construction, Add	*8.23*	
		For Stave Lumber Core (SLC), Add	*176.42*	
		For Structural Composite Lumber Core (SCLC), Add	*105.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*176.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*282.26*	
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-26.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	340.25	45.85
		For 5 Ply Construction, Add	*8.70*	
		For Stave Lumber Core (SLC), Add	*186.41*	
		For Structural Composite Lumber Core (SCLC), Add	*111.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*186.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*298.26*	
		For >50 To 100, Deduct	*-19.31*	
		For >100, Deduct	*-27.81*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	353.86	45.85
		For 5 Ply Construction, Add	*9.18*	
		For Stave Lumber Core (SLC), Add	*196.62*	
		For Structural Composite Lumber Core (SCLC), Add	*117.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*314.59*	
		For >50 To 100, Deduct	*-19.99*	
		For >100, Deduct	*-28.83*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	364.49	47.76
		For 5 Ply Construction, Add	*9.41*	
		For Stave Lumber Core (SLC), Add	*201.72*	
		For Structural Composite Lumber Core (SCLC), Add	*121.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.75*	
		For >50 To 100, Deduct	*-20.61*	
		For >100, Deduct	*-29.73*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	377.94	47.76
		For 5 Ply Construction, Add	*9.88*	
		For Stave Lumber Core (SLC), Add	*211.81*	
		For Structural Composite Lumber Core (SCLC), Add	*127.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*152.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*211.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*338.89*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-30.73*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	412.48	51.58
		For 5 Ply Construction, Add	*10.83*	
		For Stave Lumber Core (SLC), Add	*231.98*	
		For Structural Composite Lumber Core (SCLC), Add	*139.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*371.17*	
		For >50 To 100, Deduct	*-23.20*	
		For >100, Deduct	*-33.52*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	179.13	42.03
		For >50 To 100, Deduct	*-11.06*	
		For >100, Deduct	*-15.54*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	179.13	42.03
		For >50 To 100, Deduct	*-11.06*	
		For >100, Deduct	*-15.54*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	189.87	43.94
		For >50 To 100, Deduct	*-11.69*	
		For >100, Deduct	*-16.44*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	193.17	43.94
		For >50 To 100, Deduct	*-11.86*	
		For >100, Deduct	*-16.68*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	196.45	43.94
		For >50 To 100, Deduct	*-12.02*	
		For >100, Deduct	*-16.93*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	203.57	45.85
		For >50 To 100, Deduct	*-12.47*	
		For >100, Deduct	*-17.56*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	215.85	45.85
		For >50 To 100, Deduct	*-13.09*	
		For >100, Deduct	*-18.48*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	227.64	47.76
		For >50 To 100, Deduct	*-13.77*	
		For >100, Deduct	*-19.46*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	184.65	42.03
		For >50 To 100, Deduct	*-11.33*	
		For >100, Deduct	*-15.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	184.65	42.03
		For >50 To 100, Deduct	*-11.33*	
		For >100, Deduct	*-15.95*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	195.81	43.94
		For >50 To 100, Deduct	*-11.99*	
		For >100, Deduct	*-16.88*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	199.29	43.94
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-17.14*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	202.77	43.94
		For >50 To 100, Deduct	*-12.34*	
		For >100, Deduct	*-17.40*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	210.07	45.85
		For >50 To 100, Deduct	*-12.80*	
		For >100, Deduct	*-18.05*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	223.06	45.85
		For >50 To 100, Deduct	*-13.45*	
		For >100, Deduct	*-19.02*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	235.31	47.76
		For >50 To 100, Deduct	*-14.15*	
		For >100, Deduct	*-20.04*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	204.28	42.03
		For >50 To 100, Deduct	*-12.32*	
		For >100, Deduct	*-17.42*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	204.28	42.03
		For >50 To 100, Deduct	*-12.32*	
		For >100, Deduct	*-17.42*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.86	43.94
		For >50 To 100, Deduct	*-13.04*	
		For >100, Deduct	*-18.46*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	221.01	43.94
		For >50 To 100, Deduct	*-13.25*	
		For >100, Deduct	*-18.77*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	225.18	43.94
		For >50 To 100, Deduct	*-13.46*	
		For >100, Deduct	*-19.09*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	233.14	45.85
		For >50 To 100, Deduct	*-13.95*	
		For >100, Deduct	*-19.78*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	248.68	45.85
		For >50 To 100, Deduct	*-14.73*	
		For >100, Deduct	*-20.94*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.56	47.76
		For >50 To 100, Deduct	*-15.52*	
		For >100, Deduct	*-22.08*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	202.51	42.03
		For >50 To 100, Deduct	*-12.23*	
		For >100, Deduct	*-17.29*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	202.51	42.03
		For >50 To 100, Deduct	*-12.23*	
		For >100, Deduct	*-17.29*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	209.60	43.94
		For >50 To 100, Deduct	*-12.68*	
		For >100, Deduct	*-17.92*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.20	43.94
		For >50 To 100, Deduct	*-13.01*	
		For >100, Deduct	*-18.41*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	219.50	43.94
		For >50 To 100, Deduct	*-13.17*	
		For >100, Deduct	*-18.66*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	226.57	45.85
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-19.29*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	234.09	45.85
		For >50 To 100, Deduct	*-14.00*	
		For >100, Deduct	*-19.85*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.38	47.76
		For >50 To 100, Deduct	*-15.51*	
		For >100, Deduct	*-22.07*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.72	47.76
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-22.69*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	287.43	47.76
		For >50 To 100, Deduct	*-16.76*	
		For >100, Deduct	*-23.95*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	209.40	42.03
		For >50 To 100, Deduct	*-12.57*	
		For >100, Deduct	*-17.81*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	209.40	42.03
		For >50 To 100, Deduct	*-12.57*	
		For >100, Deduct	*-17.81*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.68	43.94
		For >50 To 100, Deduct	*-13.03*	
		For >100, Deduct	*-18.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	223.67	43.94
		For >50 To 100, Deduct	*-13.38*	
		For >100, Deduct	*-18.97*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	227.15	43.94
		For >50 To 100, Deduct	*-13.55*	
		For >100, Deduct	*-19.23*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	234.42	45.85
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-19.87*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	242.38	45.85
		For >50 To 100, Deduct	*-14.41*	
		For >100, Deduct	*-20.47*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.11	47.76
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-22.80*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	280.93	47.76
		For >50 To 100, Deduct	*-16.43*	
		For >100, Deduct	*-23.46*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.59	47.76
		For >50 To 100, Deduct	*-17.32*	
		For >100, Deduct	*-24.78*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	233.83	42.03
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.64*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	233.83	42.03
		For >50 To 100, Deduct	*-13.79*	
		For >100, Deduct	*-19.64*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	241.81	43.94
		For >50 To 100, Deduct	*-14.29*	
		For >100, Deduct	*-20.33*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.15	43.94
		For >50 To 100, Deduct	*-14.70*	
		For >100, Deduct	*-20.96*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	254.30	43.94
		For >50 To 100, Deduct	*-14.91*	
		For >100, Deduct	*-21.27*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.26	45.85
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-21.96*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	271.76	45.85
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.67*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	306.55	47.76
		For >50 To 100, Deduct	*-17.72*	
		For >100, Deduct	*-25.38*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	317.09	47.76
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-26.17*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	338.20	47.76
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-27.75*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.61	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*15.90*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-18.35*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.61	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*15.90*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-18.35*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	228.12	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.83*	
		For >50 To 100, Deduct	*-13.60*	
		For >100, Deduct	*-19.31*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	235.80	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.75*	
		For >50 To 100, Deduct	*-13.99*	
		For >100, Deduct	*-19.88*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	237.21	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.92*	
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-19.99*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	242.46	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.09*	
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	259.09	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.09*	
		For >50 To 100, Deduct	*-15.25*	
		For >100, Deduct	*-21.72*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	293.24	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.73*	
		For >50 To 100, Deduct	*-17.05*	
		For >100, Deduct	*-24.38*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	224.34	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.83*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-18.93*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	224.34	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.83*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-18.93*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	236.28	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.81*	
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-19.92*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	244.40	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.78*	
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-20.53*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	245.91	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.96*	
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-20.64*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	251.23	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.14*	
		For >50 To 100, Deduct	*-14.85*	
		For >100, Deduct	*-21.13*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.84	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.26*	
		For >50 To 100, Deduct	*-15.73*	
		For >100, Deduct	*-22.46*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.75	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.11*	
		For >50 To 100, Deduct	*-17.63*	
		For >100, Deduct	*-25.24*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	251.69	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.11*	
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-20.98*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	251.69	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.11*	
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-20.98*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	265.22	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.28*	
		For >50 To 100, Deduct	*-15.46*	
		For >100, Deduct	*-22.09*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	274.92	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.44*	
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.82*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.71	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.66*	
		For >50 To 100, Deduct	*-16.03*	
		For >100, Deduct	*-22.95*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	282.35	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.88*	
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-23.47*	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	303.38	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.40*	
		For >50 To 100, Deduct	*-17.46*	
		For >100, Deduct	*-25.05*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	345.57	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.00*	
		For >50 To 100, Deduct	*-19.67*	
		For >100, Deduct	*-28.31*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.62	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.86*	
		For >50 To 100, Deduct	*-14.63*	
		For >100, Deduct	*-20.90*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.62	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.86*	
		For >50 To 100, Deduct	*-14.63*	
		For >100, Deduct	*-20.90*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.07	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*211.43*	
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-22.00*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.69	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*222.97*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.72*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.48	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.12*	
		For >50 To 100, Deduct	*-15.97*	
		For >100, Deduct	*-22.86*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.12	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.30*	
		For >50 To 100, Deduct	*-16.35*	
		For >100, Deduct	*-23.38*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.00	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.36*	
		For >50 To 100, Deduct	*-17.39*	
		For >100, Deduct	*-24.94*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	343.95	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*186.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*298.10*	
		For >50 To 100, Deduct	*-19.59*	
		For >100, Deduct	*-28.18*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	356.39	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.03*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-29.12*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	381.21	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*154.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*214.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*342.82*	
		For >50 To 100, Deduct	*-21.45*	
		For >100, Deduct	*-30.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	260.31	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*211.49*	
		For >50 To 100, Deduct	*-15.12*	
		For >100, Deduct	*-21.63*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	260.31	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*132.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*211.49*	
		For >50 To 100, Deduct	*-15.12*	
		For >100, Deduct	*-21.63*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	274.33	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*139.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*223.74*	
		For >50 To 100, Deduct	*-15.91*	
		For >100, Deduct	*-22.77*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.52	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.97*	
		For >50 To 100, Deduct	*-16.42*	
		For >100, Deduct	*-23.54*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	286.41	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.24*	
		For >50 To 100, Deduct	*-16.52*	
		For >100, Deduct	*-23.68*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	292.15	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.54*	
		For >50 To 100, Deduct	*-16.90*	
		For >100, Deduct	*-24.20*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.23	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*166.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*267.04*	
		For >50 To 100, Deduct	*-18.00*	
		For >100, Deduct	*-25.86*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	358.41	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*197.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*315.46*	
		For >50 To 100, Deduct	*-20.31*	
		For >100, Deduct	*-29.27*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	371.56	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*149.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*207.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*331.24*	
		For >50 To 100, Deduct	*-20.97*	
		For >100, Deduct	*-30.26*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	397.84	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*163.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*362.77*	
		For >50 To 100, Deduct	*-22.28*	
		For >100, Deduct	*-32.23*	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.68	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.73*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-24.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.68	42.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.73*	
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-24.20*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.69	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*267.37*	
		For >50 To 100, Deduct	*-17.73*	
		For >100, Deduct	*-25.50*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	322.87	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*126.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*176.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*281.99*	
		For >50 To 100, Deduct	*-18.34*	
		For >100, Deduct	*-26.41*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	325.12	43.94
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.69*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-26.58*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	331.25	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*129.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*179.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*287.46*	
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-27.14*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.63	45.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*199.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*319.12*	
		For >50 To 100, Deduct	*-20.17*	
		For >100, Deduct	*-29.11*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	409.66	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*169.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*235.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*376.96*	
		For >50 To 100, Deduct	*-22.87*	
		For >100, Deduct	*-33.11*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	425.40	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*395.84*	
		For >50 To 100, Deduct	*-23.66*	
		For >100, Deduct	*-34.29*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	456.79	47.76
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*270.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*433.51*	
		For >50 To 100, Deduct	*-25.23*	
		For >100, Deduct	*-36.65*	

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	475.67	26.75
		For Oak, Add	*116.52*	
		For Ash/Hickory, Add	*169.72*	
		For Walnut, Add	*247.40*	
		For Cherry, Add	*402.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	489.72	28.66
		For Oak, Add	*119.35*	
		For Ash/Hickory, Add	*173.83*	
		For Walnut, Add	*253.40*	
		For Cherry, Add	*412.10*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	506.33	30.56
		For Oak, Add	*122.88*	
		For Ash/Hickory, Add	*178.97*	
		For Walnut, Add	*260.89*	
		For Cherry, Add	*424.29*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	517.83	32.48
		For Oak, Add	*125.00*	
		For Ash/Hickory, Add	*182.06*	
		For Walnut, Add	*265.39*	
		For Cherry, Add	*431.60*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	534.45	34.39
		For Oak, Add	*128.53*	
		For Ash/Hickory, Add	*187.20*	
		For Walnut, Add	*272.89*	
		For Cherry, Add	*443.79*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	548.51	36.30
		For Oak, Add	*131.35*	
		For Ash/Hickory, Add	*191.32*	
		For Walnut, Add	*278.89*	
		For Cherry, Add	*453.55*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	939.90	47.76
		For Oak, Add	*233.05*	
		For Ash/Hickory, Add	*339.44*	
		For Walnut, Add	*494.80*	
		For Cherry, Add	*804.68*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	993.59	51.58
		For Oak, Add	*245.76*	
		For Ash/Hickory, Add	*357.95*	
		For Walnut, Add	*521.79*	
		For Cherry, Add	*848.58*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,062.65	55.41
		For Oak, Add	*262.71*	
		For Ash/Hickory, Add	*382.64*	
		For Walnut, Add	*557.78*	
		For Cherry, Add	*907.10*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	565.22	26.75
		For Oak, Add	*119.75*	
		For Ash/Hickory, Add	*119.75*	
		For Walnut, Add	*197.02*	
		For Cherry, Add	*369.99*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	592.07	28.66
		For Oak, Add	*125.14*	
		For Ash/Hickory, Add	*125.14*	
		For Walnut, Add	*205.89*	
		For Cherry, Add	*386.64*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	611.24	30.56
		For Oak, Add	*128.73*	
		For Ash/Hickory, Add	*128.73*	
		For Walnut, Add	*211.80*	
		For Cherry, Add	*397.74*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	627.85	32.48
		For Oak, Add	*131.72*	
		For Ash/Hickory, Add	*131.72*	
		For Walnut, Add	*216.72*	
		For Cherry, Add	*406.98*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	641.92	34.39
		For Oak, Add	*134.12*	
		For Ash/Hickory, Add	*134.12*	
		For Walnut, Add	*220.66*	
		For Cherry, Add	*414.39*	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	661.09	36.30
		For Oak, Add	*137.71*	
		For Ash/Hickory, Add	*137.71*	
		For Walnut, Add	*226.57*	
		For Cherry, Add	*425.49*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,119.01	47.76
		For Oak, Add	*239.49*	
		For Ash/Hickory, Add	*239.49*	
		For Walnut, Add	*394.04*	
		For Cherry, Add	*739.98*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,203.40	51.58
		For Oak, Add	*257.46*	
		For Ash/Hickory, Add	*257.46*	
		For Walnut, Add	*423.59*	
		For Cherry, Add	*795.47*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,287.81	55.41
		For Oak, Add	*275.42*	
		For Ash/Hickory, Add	*275.42*	
		For Walnut, Add	*453.15*	
		For Cherry, Add	*850.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0024		1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*		
		See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0025		6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*		
08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	718.74	26.75
		For Oak, Add	*155.67*	
		For Ash/Hickory, Add	*155.67*	
		For Walnut, Add	*256.13*	
		For Cherry, Add	*480.98*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	753.27	28.66
		For Oak, Add	*162.86*	
		For Ash/Hickory, Add	*162.86*	
		For Walnut, Add	*267.95*	
		For Cherry, Add	*503.19*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	772.44	30.56
		For Oak, Add	*166.45*	
		For Ash/Hickory, Add	*166.45*	
		For Walnut, Add	*273.86*	
		For Cherry, Add	*514.28*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	794.17	32.48
		For Oak, Add	*170.64*	
		For Ash/Hickory, Add	*170.64*	
		For Walnut, Add	*280.75*	
		For Cherry, Add	*527.23*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	813.35	34.39
		For Oak, Add	*174.23*	
		For Ash/Hickory, Add	*174.23*	
		For Walnut, Add	*286.66*	
		For Cherry, Add	*538.33*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	832.52	36.30
		For Oak, Add	*177.82*	
		For Ash/Hickory, Add	*177.82*	
		For Walnut, Add	*292.57*	
		For Cherry, Add	*549.43*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,426.05	47.76
		For Oak, Add	*311.34*	
		For Ash/Hickory, Add	*311.34*	
		For Walnut, Add	*512.25*	
		For Cherry, Add	*961.97*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,525.80	51.58
		For Oak, Add	*332.90*	
		For Ash/Hickory, Add	*332.90*	
		For Walnut, Add	*547.72*	
		For Cherry, Add	*1,028.57*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,630.68	55.41
		For Oak, Add	*355.65*	
		For Ash/Hickory, Add	*355.65*	
		For Walnut, Add	*585.15*	
		For Cherry, Add	*1,098.87*	
08 14 73 00-0035		7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*		
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	769.92	26.75
		For Oak, Add	*167.65*	
		For Ash/Hickory, Add	*167.65*	
		For Walnut, Add	*275.83*	
		For Cherry, Add	*517.99*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	809.56	28.66
		For Oak, Add	*176.03*	
		For Ash/Hickory, Add	*176.03*	
		For Walnut, Add	*289.62*	
		For Cherry, Add	*543.88*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	831.29	30.56
		For Oak, Add	*180.22*	
		For Ash/Hickory, Add	*180.22*	
		For Walnut, Add	*296.52*	
		For Cherry, Add	*556.83*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	853.02	32.48
		For Oak, Add	*184.41*	
		For Ash/Hickory, Add	*184.41*	
		For Walnut, Add	*303.41*	
		For Cherry, Add	*569.78*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	872.20	34.39
		For Oak, Add	*188.00*	
		For Ash/Hickory, Add	*188.00*	
		For Walnut, Add	*309.32*	
		For Cherry, Add	*580.88*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	893.93	36.30
		For Oak, Add	*192.19*	
		For Ash/Hickory, Add	*192.19*	
		For Walnut, Add	*316.22*	
		For Cherry, Add	*593.83*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,528.40	47.76
		For Oak, Add	*335.29*	
		For Ash/Hickory, Add	*335.29*	
		For Walnut, Add	*551.65*	
		For Cherry, Add	*1,035.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,643.50	51.58
		For Oak, Add	*360.44*	
		For Ash/Hickory, Add	*360.44*	
		For Walnut, Add	*593.03*	
		For Cherry, Add	*1,113.67*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,753.50	55.41
		For Oak, Add	*384.39*	
		For Ash/Hickory, Add	*384.39*	
		For Walnut, Add	*632.44*	
		For Cherry, Add	*1,187.66*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	821.09	26.75
		For Oak, Add	*179.62*	
		For Ash/Hickory, Add	*179.62*	
		For Walnut, Add	*295.53*	
		For Cherry, Add	*554.98*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	860.73	28.66
		For Oak, Add	*188.00*	
		For Ash/Hickory, Add	*188.00*	
		For Walnut, Add	*309.32*	
		For Cherry, Add	*580.88*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	885.02	30.56
		For Oak, Add	*192.79*	
		For Ash/Hickory, Add	*192.79*	
		For Walnut, Add	*317.20*	
		For Cherry, Add	*595.68*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	909.31	32.48
		For Oak, Add	*197.58*	
		For Ash/Hickory, Add	*197.58*	
		For Walnut, Add	*325.08*	
		For Cherry, Add	*610.48*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	928.49	34.39
		For Oak, Add	*201.17*	
		For Ash/Hickory, Add	*201.17*	
		For Walnut, Add	*330.99*	
		For Cherry, Add	*621.58*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	952.78	36.30
		For Oak, Add	*205.96*	
		For Ash/Hickory, Add	*205.96*	
		For Walnut, Add	*338.87*	
		For Cherry, Add	*636.38*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,630.75	47.76
		For Oak, Add	*359.24*	
		For Ash/Hickory, Add	*359.24*	
		For Walnut, Add	*591.06*	
		For Cherry, Add	*1,109.96*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,750.96	51.58
		For Oak, Add	*385.59*	
		For Ash/Hickory, Add	*385.59*	
		For Walnut, Add	*634.40*	
		For Cherry, Add	*1,191.36*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,871.20	55.41
		For Oak, Add	*411.93*	
		For Ash/Hickory, Add	*411.93*	
		For Walnut, Add	*677.75*	
		For Cherry, Add	*1,272.76*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

08 14 73 00-0056 Jamb Replacement *(08 14 73 00-0055)*

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	104.72	
		For Oak, Add	*7.52*	
		For Ash/Hickory, Add	*11.77*	
		For Walnut, Add	*25.74*	
		For Cherry, Add	*40.77*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	106.87	
		For Oak, Add	*7.76*	
		For Ash/Hickory, Add	*12.15*	
		For Walnut, Add	*26.57*	
		For Cherry, Add	*42.09*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	120.82	
		For Oak, Add	*9.33*	
		For Ash/Hickory, Add	*14.62*	
		For Walnut, Add	*31.97*	
		For Cherry, Add	*50.64*	

08 14 73 00-0060 Track And Hardware Replacement Kits *(08 14 73 00-0055)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	276.77
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	279.51
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	285.00
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	337.12
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	339.86
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	345.35
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	364.55
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	367.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	372.78	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	38.89	
08 14 73 00-0071		**Bi-Pass Doors** *(08 14 73)* Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072		**Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	274.74	61.11
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	301.44	64.93
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	328.46	68.75
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	447.16	72.57
08 14 73 00-0077		**Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	257.07	61.11
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	273.90	64.93
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	298.14	68.75
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	411.82	72.57
08 14 73 00-0082		**Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	275.23	61.11
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	300.21	64.93
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	326.42	68.75
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	448.15	72.57
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		**Bi-Fold Wood Doors** *(08 14 76)* Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
08 14 76 00-0002		**Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	134.90	45.83
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	142.54	49.66
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	153.07	53.47
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	160.71	57.29
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	205.21	61.11
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	212.85	64.93
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	226.61	68.75
08 14 76 00-0010		**Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	141.96	45.83
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	151.91	49.66
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	163.99	53.47
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	171.63	57.29
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	220.32	61.11
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	236.40	64.93
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	253.37	68.75
08 14 76 00-0018		**Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	142.29	45.83
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	156.43	49.66
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	168.16	53.47
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	175.80	57.29
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	223.97	61.11
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	233.07	64.93
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	253.37	68.75
08 14 76 00-0026		**Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	352.01	45.83
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	401.72	49.66
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	458.25	53.47
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	465.89	57.29
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	642.93	61.11
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	734.70	64.93
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	840.11	68.75
08 14 76 00-0034		**Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	448.65	45.83
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	486.99	49.66
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	532.15	53.47
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	539.79	57.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	836.20	61.11
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	905.24	64.93
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	987.91	68.75

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	137.38	45.83
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	147.93	49.66
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	161.71	53.47
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	164.17	57.29
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	201.12	61.11
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	216.88	64.93
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	242.06	68.75

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,357.38	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,516.83	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,759.21	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,357.38	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,580.13	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,826.47	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,800.49	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,858.40	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,260.35	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0019		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*		
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,800.49	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,064.13	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,336.84	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0023		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0024		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,800.49	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,858.40	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,260.35	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,800.49	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,064.13	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,336.84	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,800.49	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,858.40	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,260.35	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,800.49	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,064.13	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,336.84	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*

08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,493.22	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*

08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,493.22	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*

08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.34
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.34
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.45
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.44
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	0.87
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	0.97
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	9.23
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	11.87
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	25.06
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	27.69
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	54.07

08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*

08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*

Note: White, tan, brown or gray finish. Includes factory hardware prep.

08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,798.98	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,823.55	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,910.98	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,798.98	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,903.34	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,910.98	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0069		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0071		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,995.78	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,057.06	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,201.93	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0075		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,995.78	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,079.40	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,270.55	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,995.78	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,057.06	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,201.93	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,995.78	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,079.40	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,270.55	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,995.78	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,057.06	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,201.93	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0093 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*

08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,995.78	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,079.40	47.76
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,270.55	51.58
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0097 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0098 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,038.34	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0100 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,038.34	45.85
		For Custom Color Finish, Add	*123.31*	
		For Stainless Steel Continuous Hinge, Add	*274.47*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.75	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	0.78	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	0.82	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.17	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.47	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	0.74	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	6.38	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	7.98	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	25.53	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	90.96	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	35.11	

08 16 13 00-0114 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors *(08 16 13 00-0001)*

Note: Doors include surface closer blocking, hinge preparation and cylinder lock preparation.

08 16 13 00-0115	EA	3' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	1,174.02	45.85
08 16 13 00-0116	EA	3'-6" x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	1,306.01	47.76
08 16 13 00-0117	EA	4' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	1,441.82	51.58
08 16 13 00-0118	EA	Pair 6' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,496.90	54.56
08 16 13 00-0119	EA	Pair 7' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,823.07	63.65
08 16 13 00-0120	EA	Pair 8' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	3,145.19	70.76
08 16 13 00-0121	EA	3' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	1,297.91	45.85
08 16 13 00-0122	EA	3'-6" x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	1,448.43	47.76
08 16 13 00-0123	EA	4' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	1,602.75	51.58
08 16 13 00-0124	EA	Pair 6' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	2,824.53	54.56
08 16 13 00-0125	EA	Pair 7' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	3,190.01	63.65
08 16 13 00-0126	EA	Pair 8' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door	3,548.82	70.76

08 16 13 00-0127 Galvanized Insulated Poly Core Composite Doors *(08 16 13)*

08 16 13 00-0128	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	786.31	45.85

08 30 Specialty Doors And Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors And Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13		**Access Doors And Frames** *(08 31)*		
08 31 13 00-0001		Stainless Steel Access Doors *(08 31 13)*		
08 31 13 00-0002		Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*		
08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	337.31	36.15
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	394.53	38.52
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	462.97	40.74
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	536.70	42.80
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	549.48	43.02
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	711.53	44.35
08 31 13 00-0009		Stainless Steel Access Doors *(08 31 13 00-0001)*		
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	124.89	27.73
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	151.58	36.15
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	222.55	38.52
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	239.18	40.74
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	279.97	42.80
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	322.06	43.02
08 31 13 00-0016		Steel Access Doors *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0017		Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	218.14	36.37
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	274.49	38.52
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	272.79	40.74
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	327.60	43.02
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	343.74	43.02
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	454.59	44.35
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	528.23	46.20
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	661.84	46.20
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	852.48	55.44
08 31 13 00-0027		Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	101.41	27.87
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	108.72	36.37
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	127.42	38.52
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	130.21	40.74
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	158.12	43.02
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	162.57	43.02
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	211.56	44.35
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	289.56	46.20
08 31 13 00-0036		Steel Recessed Access Doors For Drywall Application *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch	154.98	27.73
		For Recessed Doors In Acoustical Tile, Add	*7.25*	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch	161.63	29.72
		For Recessed Doors In Acoustical Tile, Add	*8.43*	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch	174.12	31.41
		For Recessed Doors In Acoustical Tile, Add	*8.46*	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch	207.33	33.27
		For Recessed Doors In Acoustical Tile, Add	*5.50*	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch	218.03	35.11
		For Recessed Doors In Acoustical Tile, Add	*5.93*	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch	241.51	35.11
		For Recessed Doors In Acoustical Tile, Add	*2.41*	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch	300.34	44.35
		For Recessed Doors In Acoustical Tile, Add	*3.74*	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch	443.46	46.20
		For Recessed Doors In Acoustical Tile, Add	*-15.69*	
08 31 13 00-0045		Steel Crawl Space Doors And Frames *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch	175.53	46.79
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch	252.42	56.70
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch	284.12	61.58
08 33		Coiling Doors And Grilles *(08 30)*		
08 33 13		**Coiling Counter Doors** *(08 33)*		
08 33 13 00-0001		Overhead Rolling Counter Doors *(08 33 13)*		
08 33 13 00-0002		Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,484.68	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,708.58	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,084.29	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,461.01	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,492.23	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,747.97	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,895.05	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,249.58	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,044.43	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,660.15	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,811.97	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,084.29	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,051.98	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,251.75	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,398.82	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,152.73	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	

08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,932.48	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,156.38	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,755.99	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,804.41	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,940.03	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,195.77	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,370.83	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	8,040.78	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,828.08	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,163.93	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,651.59	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	7,140.26	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,499.78	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	6,811.50	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	7,070.52	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	7,257.13	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0038		**Stainless Steel Overhead Rolling Counter Fire Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,611.73	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,507.33	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,659.14	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,379.26	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,171.48	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,427.23	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,686.25	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,496.13	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	
08 33 13 00-0047		**Integral Frame And Sill, Overhead Rolling Counter Doors** *(08 33 13)*		
08 33 13 00-0048		**Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,522.43	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,746.33	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,010.09	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,386.81	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,858.28	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,170.00	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,429.02	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	11,623.18	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	
08 33 13 00-0057		**Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,402.93	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,626.83	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,890.59	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,267.31	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,410.48	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,722.20	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	10,093.17	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	10,391.73	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0066		**Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,104.83	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,224.33	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	16,503.19	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,775.51	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,784.08	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,991.40	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,705.77	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	20,019.43	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	
08 33 13 00-0075		**Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	11,089.73	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	11,313.63	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	11,801.29	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	12,737.76	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	11,761.43	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	12,520.95	351.22
		For Motor Operator (With Safety Reverse), Add	*737.82*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	13,227.77	365.29
		For Motor Operator (With Safety Reverse), Add	*741.33*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	15,541.43	395.17
		For Motor Operator (With Safety Reverse), Add	*748.79*	
08 33 13 00-0084		**Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,903.58	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	16,463.33	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	18,742.19	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0088		**Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood** *(08 33 13 00-0047)* Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	11,985.33	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	16,463.33	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	18,742.19	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	10,418.03	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	11,761.43	316.14
		For Motor Operator (With Safety Reverse), Add	*729.03*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	12,584.94	335.89
		For Motor Operator (With Safety Reverse), Add	*733.02*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	13,857.26	395.17
		For Motor Operator (With Safety Reverse), Add	*748.30*	

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,713.72	138.31
		For Lexan Lattice Pattern, Add	*197.78*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*93.17*	
		For Staggered Brick Pattern, Add	*165.88*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,882.35	138.31
		For Lexan Lattice Pattern, Add	*223.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*128.22*	
		For Staggered Brick Pattern, Add	*225.03*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,184.27	184.39
		For Lexan Lattice Pattern, Add	*248.61*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*163.28*	
		For Staggered Brick Pattern, Add	*284.19*	
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,590.09	184.39
		For Lexan Lattice Pattern, Add	*309.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*233.36*	
		For Staggered Brick Pattern, Add	*402.50*	
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,518.35	276.62
		For Lexan Lattice Pattern, Add	*409.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*349.60*	
		For Staggered Brick Pattern, Add	*530.74*	
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,981.97	316.14
		For Lexan Lattice Pattern, Add	*459.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*349.60*	
		For Staggered Brick Pattern, Add	*530.74*	
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,446.62	368.70
		For Lexan Lattice Pattern, Add	*508.93*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*465.83*	
		For Staggered Brick Pattern, Add	*658.99*	
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,543.16	442.59
		For Lexan Lattice Pattern, Add	*641.49*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*559.01*	
		For Staggered Brick Pattern, Add	*681.43*	
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,808.06	553.24
		For Lexan Lattice Pattern, Add	*784.11*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*654.29*	
		For Staggered Brick Pattern, Add	*782.21*	
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,842.44	138.31
		For Lexan Lattice Pattern, Add	*217.09*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*139.74*	
		For Staggered Brick Pattern, Add	*192.72*	
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,084.63	138.31
		For Lexan Lattice Pattern, Add	*253.42*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*209.60*	
		For Staggered Brick Pattern, Add	*262.10*	
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,359.21	184.47
		For Lexan Lattice Pattern, Add	*274.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*279.45*	
		For Staggered Brick Pattern, Add	*331.49*	
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,826.79	184.47
		For Lexan Lattice Pattern, Add	*344.99*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*419.25*	
		For Staggered Brick Pattern, Add	*470.24*	
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,850.36	276.62
		For Lexan Lattice Pattern, Add	*459.00*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*559.01*	
		For Staggered Brick Pattern, Add	*647.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,361.63	316.14
		For Lexan Lattice Pattern, Add	*516.01*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*559.01*	
		For Staggered Brick Pattern, Add	*647.35*	
08 33 16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,871.12	368.70
		For Lexan Lattice Pattern, Add	*573.02*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*698.76*	
		For Staggered Brick Pattern, Add	*824.45*	
08 33 16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,096.91	442.59
		For Lexan Lattice Pattern, Add	*724.55*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*838.50*	
		For Staggered Brick Pattern, Add	*950.43*	
08 33 16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	7,359.59	553.24
		For Lexan Lattice Pattern, Add	*866.84*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*976.24*	
		For Staggered Brick Pattern, Add	*1,065.50*	

08 33 23 Overhead Coiling Doors *(08 33)*

See CSI section 01 22 23 00-0805 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	880.54	347.70
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	946.95	368.16
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	943.97	368.16
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,014.26	388.61
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,027.85	398.86
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,118.28	429.52
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,199.70	449.97
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,170.27	449.97
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,212.04	460.20
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,263.28	470.43
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,363.75	490.88
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,259.18	470.43
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,344.16	490.88
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,443.82	511.33
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,515.09	531.79

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,441.27	517.47
		For Insulated, Add	*1,132.36*	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,513.44	529.24
		For Insulated, Add	*1,170.59*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,726.54	564.52
		For Insulated, Add	*1,282.81*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,921.87	588.04
		For Insulated, Add	*1,397.56*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,624.04	540.99
		For Insulated, Add	*1,237.69*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,828.97	588.04
		For Insulated, Add	*1,327.88*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,986.88	611.55
		For Insulated, Add	*1,414.55*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,193.68	635.08
		For Insulated, Add	*1,537.90*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,816.31	564.52
		For Insulated, Add	*1,350.14*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,991.78	588.04
		For Insulated, Add	*1,449.99*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,214.32	635.08
		For Insulated, Add	*1,553.38*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,488.61	655.54
		For Insulated, Add	*1,731.49*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,546.11	696.44
		For Insulated, Add	*1,719.39*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,895.25	737.35
		For Insulated, Add	*1,926.02*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,260.61	778.26
		For Insulated, Add	*2,144.81*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,143.19	465.72
		For Insulated, Add	*978.66*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,316.15	491.61
		For Insulated, Add	*1,073.43*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,437.09	512.06
		For Insulated, Add	*1,136.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,434.01	543.35
		For Insulated, Add	*1,091.96*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,672.22	595.10
		For Insulated, Add	*1,200.76*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,836.93	615.55
		For Insulated, Add	*1,296.68*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,258.85	636.01
		For Insulated, Add	*1,585.51*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,701.23	666.69
		For Insulated, Add	*1,875.88*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,654.28	582.15
		For Insulated, Add	*1,204.81*	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,880.91	620.97
		For Insulated, Add	*1,322.38*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,068.25	646.85
		For Insulated, Add	*1,427.93*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,473.13	667.30
		For Insulated, Add	*1,703.97*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,898.45	697.97
		For Insulated, Add	*1,981.54*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,146.27	672.72
		For Insulated, Add	*1,451.54*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,398.84	698.59
		For Insulated, Add	*1,606.01*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,861.57	739.50
		For Insulated, Add	*1,897.83*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,365.21	800.86
		For Insulated, Add	*2,192.73*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,863.91	882.68
		For Insulated, Add	*2,456.30*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,403.52	984.94
		For Insulated, Add	*2,722.94*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,984.04	1,107.67
		For Insulated, Add	*2,992.66*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,604.03	1,250.83
		For Insulated, Add	*3,264.37*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,412.30	698.59
		For Insulated, Add	*1,616.10*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,665.54	721.09
		For Insulated, Add	*1,775.66*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,251.80	762.00
		For Insulated, Add	*2,160.13*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,878.95	823.36
		For Insulated, Add	*2,547.66*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,477.02	905.17
		For Insulated, Add	*2,885.76*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,115.99	1,007.44
		For Insulated, Add	*3,226.92*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,795.86	1,130.16
		For Insulated, Add	*3,571.16*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,557.54	1,293.79
		For Insulated, Add	*3,921.52*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,202.05	813.44
		For Insulated, Add	*2,053.40*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,633.52	854.35
		For Insulated, Add	*2,321.77*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,157.98	895.26
		For Insulated, Add	*2,659.90*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,665.22	956.62
		For Insulated, Add	*2,957.49*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,245.13	1,038.44
		For Insulated, Add	*3,281.97*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,824.45	1,120.24
		For Insulated, Add	*3,606.01*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,072.87	1,222.51
		For Insulated, Add	*4,404.27*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,362.20	1,345.23
		For Insulated, Add	*5,205.60*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,091.45	935.46
		For Insulated, Add	*2,555.72*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,585.47	976.36
		For Insulated, Add	*2,871.00*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,022.89	1,017.27
		For Insulated, Add	*3,143.85*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,517.59	1,078.63
		For Insulated, Add	*3,432.04*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,100.35	1,160.45
		For Insulated, Add	*3,758.66*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,772.20	1,242.26
		For Insulated, Add	*4,152.09*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,803.16	1,344.53
		For Insulated, Add	*4,787.25*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,883.61	1,467.26
		For Insulated, Add	*5,431.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,477.05	1,052.40
		For Insulated, Add	*2,687.03*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,916.77	1,093.30
		For Insulated, Add	*2,961.60*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,620.88	1,154.67
		For Insulated, Add	*3,406.84*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,256.37	1,236.48
		For Insulated, Add	*3,773.01*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,937.17	1,338.75
		For Insulated, Add	*4,145.54*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,659.43	1,461.46
		For Insulated, Add	*4,521.57*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,931.76	1,604.64
		For Insulated, Add	*5,282.53*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,271.07	1,768.27
		For Insulated, Add	*6,066.12*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,255.93	1,210.26
		For Insulated, Add	*3,058.08*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,115.95	1,251.17
		For Insulated, Add	*3,647.87*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,011.20	1,479.75
		For Insulated, Add	*4,010.77*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,917.42	1,541.11
		For Insulated, Add	*4,607.60*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,002.07	1,622.92
		For Insulated, Add	*5,310.64*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,217.24	1,704.74
		For Insulated, Add	*6,111.56*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,479.45	1,807.00
		For Insulated, Add	*6,920.16*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,804.17	1,929.72
		For Insulated, Add	*7,748.03*	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,776.67	1,432.70
		For Insulated, Add	*3,148.38*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,730.74	1,494.06
		For Insulated, Add	*3,781.09*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,978.24	1,627.71
		For Insulated, Add	*4,536.24*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,169.31	1,689.07
		For Insulated, Add	*5,346.71*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,405.39	1,770.89
		For Insulated, Add	*6,163.32*	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,771.52	1,852.70
		For Insulated, Add	*7,077.47*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,182.84	1,954.97
		For Insulated, Add	*7,997.90*	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,626.40	2,077.69
		For Insulated, Add	*8,914.90*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,471.15	1,575.97
		For Insulated, Add	*3,475.79*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,121.27	1,616.88
		For Insulated, Add	*3,908.15*	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,558.23	1,657.78
		For Insulated, Add	*4,930.65*	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,891.21	1,719.14
		For Insulated, Add	*5,847.55*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,211.85	1,800.95
		For Insulated, Add	*6,727.58*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,661.55	1,882.77
		For Insulated, Add	*7,704.41*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,554.24	1,566.58
		For Insulated, Add	*8,801.62*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,207.69	2,107.76
		For Insulated, Add	*10,060.27*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,588.33	813.44
		For Insulated, Add	*2,343.11*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,072.25	854.35
		For Insulated, Add	*2,650.82*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,663.11	895.26
		For Insulated, Add	*3,038.75*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,228.02	956.62
		For Insulated, Add	*3,379.59*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,870.37	1,038.44
		For Insulated, Add	*3,750.90*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,512.05	1,120.24
		For Insulated, Add	*4,121.71*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,917.05	1,222.51
		For Insulated, Add	*5,037.41*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,362.96	1,345.23
		For Insulated, Add	*5,956.17*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,574.53	935.46
		For Insulated, Add	*2,918.03*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,130.37	976.36
		For Insulated, Add	*3,279.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,621.15	1,017.27
		For Insulated, Add	*3,592.54*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,171.64	1,078.63
		For Insulated, Add	*3,922.57*	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,817.26	1,160.45
		For Insulated, Add	*4,296.34*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,565.35	1,242.26
		For Insulated, Add	*4,746.95*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,720.28	1,344.53
		For Insulated, Add	*5,475.09*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,925.97	1,467.26
		For Insulated, Add	*6,213.69*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,982.89	1,052.40
		For Insulated, Add	*3,066.41*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,476.28	1,093.30
		For Insulated, Add	*3,381.23*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,267.61	1,154.67
		For Insulated, Add	*3,891.89*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,973.89	1,236.48
		For Insulated, Add	*4,311.15*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,726.11	1,338.75
		For Insulated, Add	*4,737.25*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,519.90	1,461.46
		For Insulated, Add	*5,166.92*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,940.13	1,604.64
		For Insulated, Add	*6,038.81*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,431.24	1,768.27
		For Insulated, Add	*6,936.25*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,831.24	1,210.26
		For Insulated, Add	*3,489.56*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,807.98	1,251.17
		For Insulated, Add	*4,166.89*	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,572.50	1,479.75
		For Insulated, Add	*4,431.75*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,565.78	1,541.11
		For Insulated, Add	*5,093.87*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,752.77	1,622.92
		For Insulated, Add	*5,873.66*	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,084.78	1,704.74
		For Insulated, Add	*6,762.21*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,464.50	1,807.00
		For Insulated, Add	*7,658.95*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,909.14	1,929.72
		For Insulated, Add	*8,576.75*	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,211.25	1,432.70
		For Insulated, Add	*3,474.31*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,257.69	1,494.06
		For Insulated, Add	*4,176.31*	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,614.11	1,627.71
		For Insulated, Add	*5,013.15*	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,923.87	1,689.07
		For Insulated, Add	*5,912.63*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,279.12	1,770.89
		For Insulated, Add	*6,818.62*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,778.86	1,852.70
		For Insulated, Add	*7,832.97*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,324.27	1,954.97
		For Insulated, Add	*8,853.97*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,900.96	2,077.69
		For Insulated, Add	*9,870.82*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,951.06	1,575.97
		For Insulated, Add	*3,835.72*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,664.33	1,616.88
		For Insulated, Add	*4,315.45*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,251.85	1,657.78
		For Insulated, Add	*5,450.86*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,719.31	1,719.14
		For Insulated, Add	*6,468.62*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,168.51	1,800.95
		For Insulated, Add	*7,445.07*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,761.11	1,882.77
		For Insulated, Add	*8,529.08*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,823.35	1,566.58
		For Insulated, Add	*9,753.47*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,651.26	2,107.76
		For Insulated, Add	*11,142.95*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,024.37	465.72
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,183.30	491.61
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,624.03	512.06
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,503.35	543.35
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,739.39	595.10
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,912.91	615.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,126.16	636.01
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,362.77	666.69
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,744.51	582.15
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,001.59	620.97
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,235.60	646.85
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,449.06	667.30
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,683.92	697.97
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,301.38	672.72
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,531.27	698.59
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,832.74	739.50
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,176.35	800.86
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,717.69	882.68
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,299.87	984.94
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,919.34	1,107.67
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,580.77	1,250.83
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,526.80	698.59
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,001.98	721.09
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,419.06	762.00
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,879.06	823.36
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,499.56	905.17
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,162.71	1,007.44
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,614.37	1,130.16
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,150.18	1,293.79

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,020.55	813.44
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,581.10	854.35
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,130.33	895.26
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,675.12	956.62
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,297.67	1,038.44
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,920.19	1,120.24
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,593.54	1,222.51
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,307.91	1,345.23
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,696.60	935.46
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,284.07	976.36
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,846.02	1,017.27
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,467.31	1,078.63
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,180.51	1,160.45
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,936.18	1,242.26
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,698.74	1,344.53
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,458.32	1,467.26
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,243.52	1,052.40
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,874.89	1,093.30
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,611.45	1,154.67
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,377.90	1,236.48
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,194.32	1,338.75
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,045.98	1,461.46
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,937.12	1,604.64
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,874.83	1,768.27
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,984.16	1,210.26
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,628.27	1,251.17
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,690.05	1,312.53
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,408.92	1,394.34
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,301.80	1,496.60
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,261.10	1,619.32
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,215.95	1,762.50
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,241.50	1,926.13
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,062.11	1,432.70
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,904.34	1,494.06
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,993.22	1,627.71
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,919.01	1,689.07
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,884.32	1,770.89
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,859.52	1,852.70
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,821.82	1,954.97
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,832.09	2,077.69
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,786.34	1,575.97
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,300.15	1,616.88
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,574.58	1,657.78
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,616.50	1,719.14
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,641.29	1,800.95
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,666.09	1,882.77
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,879.07	1,985.04
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,175.49	2,107.76

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	3.20	0.96
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	19.87	1.15
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	18.96	1.15
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	206.79	47.76
08 33 23 11-0247	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,085.80	152.83
08 33 23 11-0248	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,364.07	152.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0249	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,284.06	171.94
08 33 23 11-0250	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,512.53	171.94
08 33 23 11-0251	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,649.28	191.05
08 33 23 11-0252	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,787.88	191.05
08 33 23 11-0253	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	80.38	
08 33 23 11-0254	EA	Remote Transmitter Kit For Coiling Door Operators	267.25	76.42

08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0256	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	16.45	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0805 for forklift.

08 33 23 13-0001 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13)*

Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.

08 33 23 13-0002 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0001)*

08 33 23 13-0003 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0002)*

08 33 23 13-0004	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,199.82	305.68
08 33 23 13-0005	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,379.43	318.67
08 33 23 13-0006	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,587.09	331.66
08 33 23 13-0007	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,877.66	344.65
08 33 23 13-0008	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,174.34	357.64
08 33 23 13-0009	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,675.85	370.63
08 33 23 13-0010	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,031.04	383.62

08 33 23 13-0011 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0002)*

08 33 23 13-0012	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,419.67	318.67
08 33 23 13-0013	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,649.28	331.66
08 33 23 13-0014	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,938.63	344.65
08 33 23 13-0015	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,245.06	357.64
08 33 23 13-0016	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,650.24	370.63
08 33 23 13-0017	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,139.56	383.62
08 33 23 13-0018	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,525.24	396.61

08 33 23 13-0019 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0002)*

08 33 23 13-0020	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,688.29	331.66
08 33 23 13-0021	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,976.42	344.65
08 33 23 13-0022	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,295.05	357.64
08 33 23 13-0023	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,712.43	370.63
08 33 23 13-0024	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,088.35	383.62
08 33 23 13-0025	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,621.57	396.61
08 33 23 13-0026	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,058.46	409.60

08 33 23 13-0027 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0002)*

08 33 23 13-0028	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,016.66	344.65
08 33 23 13-0029	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,332.85	357.64
08 33 23 13-0030	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,750.22	370.63
08 33 23 13-0031	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,138.34	383.62
08 33 23 13-0032	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,545.97	396.61
08 33 23 13-0033	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,969.45	409.60
08 33 23 13-0034	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,434.38	422.59

08 33 23 13-0035 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0002)*

08 33 23 13-0036	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,364.55	357.64
08 33 23 13-0037	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,790.46	370.63
08 33 23 13-0038	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,174.92	383.62
08 33 23 13-0039	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,586.21	396.61
08 33 23 13-0040	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,042.61	409.60
08 33 23 13-0041	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,131.99	422.59
08 33 23 13-0042	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,910.28	435.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0043		**11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0002)*		
08 33 23 13-0044	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,813.63	370.63
08 33 23 13-0045	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,207.84	383.62
08 33 23 13-0046	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,624.01	396.61
08 33 23 13-0047	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,081.62	409.60
08 33 23 13-0048	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,380.73	422.59
08 33 23 13-0049	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,976.12	435.58
08 33 23 13-0050	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,463.01	448.57
08 33 23 13-0051		**12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0002)*		
08 33 23 13-0052	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,218.81	383.62
08 33 23 13-0053	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,645.96	396.61
08 33 23 13-0054	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,112.11	409.60
08 33 23 13-0055	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,422.18	422.59
08 33 23 13-0056	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,831.03	435.58
08 33 23 13-0057	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,519.10	448.57
08 33 23 13-0058	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,996.23	461.57
08 33 23 13-0059		**Rytec® PredaDoor® Door Options** *(08 33 23 13-0001)*		
08 33 23 13-0060	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	396.28	76.42
08 33 23 13-0061	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	658.43	76.42
08 33 23 13-0062	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	9.88	
08 33 23 13-0063		**3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0064		**3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0063)*		
08 33 23 13-0065		**8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0064)*		
08 33 23 13-0066	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,472.96	458.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0067	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,231.75	471.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0068	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,890.55	484.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0069	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,600.56	497.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0070	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,408.11	510.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0071	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,823.05	523.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0072	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,481.85	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0073		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0064)*		
08 33 23 13-0074	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,231.75	471.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0075	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,890.55	484.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0076	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,600.56	497.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0077	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,408.11	510.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0078	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,823.05	523.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0079	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,481.85	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0080	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,336.97	549.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0081		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0064)*		
08 33 23 13-0082	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,890.55	484.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0083	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,600.56	497.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0084	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,408.11	510.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0085	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,823.05	523.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0086	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,481.85	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0087	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,336.97	549.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0088	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,143.32	562.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

08 33 23 13-0089 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0064)*

08 33 23 13-0090	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,600.56	497.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0091	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,408.11	510.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0092	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,823.05	523.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0093	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,481.85	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0094	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,336.97	549.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0095	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,143.32	562.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0096	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,047.20	575.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

08 33 23 13-0097 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0064)*

08 33 23 13-0098	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,408.11	510.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0099	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,823.05	523.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0100	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,481.85	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0101	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,336.97	549.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0102	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,143.32	562.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0103	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,047.20	575.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0104	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,691.37	588.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

08 33 23 13-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0064)*

08 33 23 13-0106	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,325.41	523.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0107	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,173.20	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0108	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,975.89	549.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0109	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,911.49	562.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0110	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,843.41	575.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0111	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,530.26	588.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0112	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,047.62	601.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 23 13-0113 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0064)*

08 33 23 13-0114	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,173.20	536.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0115	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,975.89	549.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0116	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,911.49	562.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0117	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,843.41	575.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0118	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,530.26	588.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0119	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,047.62	601.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0120	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,825.91	614.41
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 23 13-0121 Rytec® Fast-Seal® Door Options *(08 33 23 13-0063)*

08 33 23 13-0122	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	36.58
08 33 23 13-0123	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	396.28
08 33 23 13-0124	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	658.43
08 33 23 13-0125	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.27
08 33 23 13-0126	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	231.67
08 33 23 13-0127	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	457.24
08 33 23 13-0128	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	579.17
08 33 23 13-0129	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	914.48
08 33 23 13-0130	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	268.25
08 33 23 13-0131	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	530.40
08 33 23 13-0132	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	658.43
08 33 23 13-0133	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,060.80

08 33 23 13-0134 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)*

Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

08 33 23 13-0135 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0134)*

08 33 23 13-0136 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0135)*

08 33 23 13-0137	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,505.55	611.35
08 33 23 13-0138	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,191.18	624.34
08 33 23 13-0139	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,876.80	637.33
08 33 23 13-0140	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,563.66	650.32
08 33 23 13-0141	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,249.29	663.31
08 33 23 13-0142	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,934.91	676.30
08 33 23 13-0143	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,938.61	689.29

08 33 23 13-0144 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0135)*

08 33 23 13-0145	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,191.18	624.34
08 33 23 13-0146	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,876.80	637.33
08 33 23 13-0147	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,563.66	650.32
08 33 23 13-0148	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,249.29	663.31
08 33 23 13-0149	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,934.91	676.30
08 33 23 13-0150	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,620.54	689.29
08 33 23 13-0151	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,624.23	702.29

08 33 23 13-0152 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0135)*

08 33 23 13-0153	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,876.80	637.33
08 33 23 13-0154	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,563.66	650.32
08 33 23 13-0155	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,249.29	663.31
08 33 23 13-0156	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,934.91	676.30
08 33 23 13-0157	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,620.54	689.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0158	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,306.16	702.29
08 33 23 13-0159	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,309.86	715.28
08 33 23 13-0160		**11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0135)*		
08 33 23 13-0161	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,563.66	650.32
08 33 23 13-0162	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,249.29	663.31
08 33 23 13-0163	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,934.91	676.30
08 33 23 13-0164	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,620.54	689.29
08 33 23 13-0165	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,306.16	702.29
08 33 23 13-0166	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,991.79	715.28
08 33 23 13-0167	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,994.28	728.27
08 33 23 13-0168		**12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0135)*		
08 33 23 13-0169	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,249.29	663.31
08 33 23 13-0170	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,934.91	676.30
08 33 23 13-0171	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,620.54	689.29
08 33 23 13-0172	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,306.16	702.29
08 33 23 13-0173	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,991.79	715.28
08 33 23 13-0174	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,677.42	728.27
08 33 23 13-0175	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,681.12	741.26
08 33 23 13-0176		**13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0135)*		
08 33 23 13-0177	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,934.91	676.30
08 33 23 13-0178	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,620.54	689.29
08 33 23 13-0179	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,306.16	702.29
08 33 23 13-0180	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,991.79	715.28
08 33 23 13-0181	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,677.42	728.27
08 33 23 13-0182	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,363.05	741.26
08 33 23 13-0183	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,366.76	754.25
08 33 23 13-0184		**14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0135)*		
08 33 23 13-0185	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,938.61	689.29
08 33 23 13-0186	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,624.23	702.29
08 33 23 13-0187	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,309.86	715.28
08 33 23 13-0188	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,994.28	728.27
08 33 23 13-0189	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,681.12	741.26
08 33 23 13-0190	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,366.76	754.25
08 33 23 13-0191	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,046.29	767.24
08 33 23 13-0192		**Rytec® Spiral® Door Options** *(08 33 23 13-0134)*		
08 33 23 13-0193	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	396.28	
08 33 23 13-0194	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	268.25	
08 33 23 13-0195	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	396.28	
08 33 23 13-0196	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	734.85	38.21
08 33 23 13-0197	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	2,128.11	76.42
08 33 23 13-0198	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,841.24	76.42
08 33 23 13-0199	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	4,371.64	76.42
08 33 23 13-0200		**Activation And Control Box Options For High Speed Doors** *(08 33 23 13)*		
08 33 23 13-0201	EA	Pull Cord For High-Speed Rolling Doors	173.96	38.21
08 33 23 13-0202	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	135.75	19.10
08 33 23 13-0203	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	172.33	19.10
08 33 23 13-0204	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	184.53	19.10
08 33 23 13-0205	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	336.94	19.10
08 33 23 13-0206	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	510.91	34.39
08 33 23 13-0207	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	663.74	
08 33 23 13-0208	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	437.39	34.39
08 33 23 13-0209	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	577.97	34.39
08 33 23 13-0210	EA	Motion Detector For High-Speed Rolling Doors	509.19	22.93
08 33 23 13-0211	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	344.67	38.21
08 33 23 13-0212	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	472.70	38.21
08 33 23 13-0213	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	539.76	38.21
08 33 23 13-0214	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	673.88	38.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0805 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,113.64	165.97
		For Lexan Lattice Pattern, Add	*245.97*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*186.34*	
		For Staggered Brick Pattern, Add	*252.23*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,406.23	165.97
		For Lexan Lattice Pattern, Add	*289.86*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*279.51*	
		For Staggered Brick Pattern, Add	*341.60*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,891.99	207.46
		For Lexan Lattice Pattern, Add	*344.80*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*372.67*	
		For Staggered Brick Pattern, Add	*430.97*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,313.95	207.46
		For Lexan Lattice Pattern, Add	*408.09*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*609.70*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,539.09	331.94
		For Lexan Lattice Pattern, Add	*538.37*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*745.34*	
		For Staggered Brick Pattern, Add	*859.82*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,640.85	414.93
		For Lexan Lattice Pattern, Add	*668.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*931.68*	
		For Staggered Brick Pattern, Add	*1,109.92*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,122.48	497.92
		For Lexan Lattice Pattern, Add	*855.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,118.01*	
		For Staggered Brick Pattern, Add	*1,248.52*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,683.60	608.56
		For Lexan Lattice Pattern, Add	*1,042.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,294.91*	
		For Staggered Brick Pattern, Add	*1,361.68*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,325.71	165.97
		For Lexan Lattice Pattern, Add	*277.78*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*232.92*	
		For Staggered Brick Pattern, Add	*299.66*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,713.49	165.97
		For Lexan Lattice Pattern, Add	*335.95*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*349.37*	
		For Staggered Brick Pattern, Add	*425.53*	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,232.94	207.46
		For Lexan Lattice Pattern, Add	*396.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*465.84*	
		For Staggered Brick Pattern, Add	*551.40*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,761.39	207.46
		For Lexan Lattice Pattern, Add	*475.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*698.76*	
		For Staggered Brick Pattern, Add	*803.15*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,126.43	331.94
		For Lexan Lattice Pattern, Add	*626.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*931.68*	
		For Staggered Brick Pattern, Add	*1,107.44*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,366.29	414.93
		For Lexan Lattice Pattern, Add	*777.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,164.59*	
		For Staggered Brick Pattern, Add	*1,411.71*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,998.96	497.92
		For Lexan Lattice Pattern, Add	*986.62*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,397.69*	
		For Staggered Brick Pattern, Add	*1,634.87*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,036.99	608.56
		For Lexan Lattice Pattern, Add	*1,245.57*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,636.49*	
		For Staggered Brick Pattern, Add	*1,831.42*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,568.57	165.97
		For Lexan Lattice Pattern, Add	*314.21*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*279.51*	
		For Staggered Brick Pattern, Add	*346.39*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,638.87	165.97
		For Lexan Lattice Pattern, Add	*324.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*419.25*	
		For Staggered Brick Pattern, Add	*508.05*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,211.23	207.46
		For Lexan Lattice Pattern, Add	*392.68*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*558.99*	
		For Staggered Brick Pattern, Add	*669.71*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,267.96	207.46
		For Lexan Lattice Pattern, Add	*551.19*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*838.48*	
		For Staggered Brick Pattern, Add	*993.04*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,956.69	331.94
		For Lexan Lattice Pattern, Add	*751.01*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,118.00*	
		For Staggered Brick Pattern, Add	*1,380.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,522.03	414.93
		For Lexan Lattice Pattern, Add	*950.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,397.51*	
		For Staggered Brick Pattern, Add	*1,768.18*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,122.14	497.92
		For Lexan Lattice Pattern, Add	*1,155.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,677.02*	
		For Staggered Brick Pattern, Add	*1,869.61*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,374.15	608.56
		For Lexan Lattice Pattern, Add	*1,446.14*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,943.41*	
		For Staggered Brick Pattern, Add	*2,036.96*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,002.94	165.97
		For Lexan Lattice Pattern, Add	*379.37*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*325.96*	
		For Staggered Brick Pattern, Add	*640.69*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,477.18	165.97
		For Lexan Lattice Pattern, Add	*450.50*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*489.05*	
		For Staggered Brick Pattern, Add	*786.69*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,074.40	207.46
		For Lexan Lattice Pattern, Add	*522.42*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*652.12*	
		For Staggered Brick Pattern, Add	*916.04*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,070.63	207.46
		For Lexan Lattice Pattern, Add	*671.86*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*978.26*	
		For Staggered Brick Pattern, Add	*1,161.61*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,785.07	331.94
		For Lexan Lattice Pattern, Add	*875.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,304.35*	
		For Staggered Brick Pattern, Add	*1,554.02*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,374.38	414.93
		For Lexan Lattice Pattern, Add	*1,078.69*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,630.42*	
		For Staggered Brick Pattern, Add	*1,946.43*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,007.09	497.92
		For Lexan Lattice Pattern, Add	*1,287.84*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,956.51*	
		For Staggered Brick Pattern, Add	*2,207.46*	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	12,815.83	608.56
		For Lexan Lattice Pattern, Add	*1,662.40*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,309.69*	
		For Staggered Brick Pattern, Add	*2,522.13*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	85.61	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,510.07	464.09
		For Lexan Lattice Pattern, Add	*327.60*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*559.01*	
		For Staggered Brick Pattern, Add	*609.70*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,910.00	596.15
		For Lexan Lattice Pattern, Add	*481.00*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*857.46*	
		For Staggered Brick Pattern, Add	*976.54*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,359.43	751.69
		For Lexan Lattice Pattern, Add	*631.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,118.01*	
		For Staggered Brick Pattern, Add	*1,248.52*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,636.67	829.85
		For Lexan Lattice Pattern, Add	*789.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,294.91*	
		For Staggered Brick Pattern, Add	*1,361.68*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,239.82	529.14
		For Lexan Lattice Pattern, Add	*409.21*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*698.76*	
		For Staggered Brick Pattern, Add	*803.15*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,953.57	679.62
		For Lexan Lattice Pattern, Add	*601.61*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,029.09*	
		For Staggered Brick Pattern, Add	*1,219.57*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,617.37	856.65
		For Lexan Lattice Pattern, Add	*775.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,397.69*	
		For Staggered Brick Pattern, Add	*1,634.87*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	9,293.04	946.03
		For Lexan Lattice Pattern, Add	*986.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,636.49*	
		For Staggered Brick Pattern, Add	*1,831.42*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	4,977.96	596.15
		For Lexan Lattice Pattern, Add	*491.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*838.48*	
		For Staggered Brick Pattern, Add	*993.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	7,000.63	765.68
		For Lexan Lattice Pattern, Add	*720.79*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,238.03*	
		For Staggered Brick Pattern, Add	*1,514.13*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	9,061.88	965.40
		For Lexan Lattice Pattern, Add	*947.65*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,677.02*	
		For Staggered Brick Pattern, Add	*1,869.61*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,941.51	1,064.98
		For Lexan Lattice Pattern, Add	*1,184.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,943.41*	
		For Staggered Brick Pattern, Add	*2,036.96*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	5,710.64	659.14
		For Lexan Lattice Pattern, Add	*574.33*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*978.26*	
		For Staggered Brick Pattern, Add	*1,161.61*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	8,048.63	846.45
		For Lexan Lattice Pattern, Add	*841.40*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,414.91*	
		For Staggered Brick Pattern, Add	*1,682.30*	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	10,410.35	1,067.19
		For Lexan Lattice Pattern, Add	*1,105.59*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,956.51*	
		For Staggered Brick Pattern, Add	*2,207.46*	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	12,574.46	1,178.40
		For Lexan Lattice Pattern, Add	*1,381.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,309.69*	
		For Staggered Brick Pattern, Add	*2,522.13*	

08 34 Special Function Doors *(08 30)*

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,042.98	136.10
08 34 23 00-0004	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,291.86	142.21
08 34 23 00-0005	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,373.97	145.27
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,519.56	148.33
08 34 23 00-0007	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,777.77	155.97
08 34 23 00-0008	EA	2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,814.73	152.38
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,024.51	155.97
08 34 23 00-0010	EA	2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,114.47	159.56
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,324.27	163.16
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,704.63	172.32

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,167.22	152.38
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,274.92	163.16
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,894.63	181.49
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,979.23	181.49

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,698.62	136.10
08 34 23 00-0020	EA	2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,989.80	142.21
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,170.64	145.27
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,464.28	148.33
08 34 23 00-0023	EA	3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,856.43	155.97

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,858.11	152.38
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,840.00	163.16
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,481.95	181.49
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,157.65	181.49

08 34 23 00-0029 Single Leaf Steel Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,437.04	136.10
08 34 23 00-0031	EA	2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,510.16	142.21
08 34 23 00-0032	EA	3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,688.25	145.27
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,875.51	148.33
08 34 23 00-0034	EA	3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,188.37	155.97
08 34 23 00-0035	EA	2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,082.56	152.38
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,380.17	155.97
08 34 23 00-0037	EA	2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,367.26	159.56
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,646.61	163.16
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,824.77	172.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,575.76	152.38
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,701.41	163.16
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,377.39	181.49
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,477.86	181.49
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,496.50	136.10
08 34 23 00-0047	EA	2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,642.69	142.21
08 34 23 00-0048	EA	3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,738.61	145.27
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,236.40	148.33
08 34 23 00-0050	EA	3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,823.26	155.97
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,219.75	152.38
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,719.87	163.16
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	7,039.85	181.49
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,857.18	181.49
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)* Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,862.76	136.10
08 34 23 00-0058	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,236.71	142.21
08 34 23 00-0059	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,379.72	145.27
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,525.42	148.33
08 34 23 00-0061	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,872.35	155.97
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,000.75	136.10
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,221.37	142.21
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,310.57	145.27
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,364.49	148.33
08 34 23 00-0068	EA	3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,728.42	155.97
08 34 23 00-0069	EA	2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,553.90	152.38
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,742.52	155.97
08 34 23 00-0071	EA	2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,959.29	159.56
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,077.58	163.16
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,366.44	172.32
08 34 23 00-0074		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	810.40	136.10
08 34 23 00-0076	EA	2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	981.67	142.21
08 34 23 00-0077	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,092.03	145.27
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,167.10	148.33
08 34 23 00-0079	EA	3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,361.82	155.97
08 34 23 00-0080		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,991.00	152.38
08 34 23 00-0082		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,901.34	163.16
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,690.27	181.49
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,746.66	181.49
08 34 23 00-0086		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	895.00	136.10
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,052.17	142.21
08 34 23 00-0089	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,127.28	145.27
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,237.60	148.33
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,453.47	155.97
08 34 23 00-0092		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	2,021.18	163.16
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	2,838.31	181.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	2,880.61	181.49
08 34 23 00-0096		**Single Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	962.17	136.10
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,080.89	142.21
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,222.50	145.27
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,300.14	148.33
08 34 23 00-0101		**Double Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0102	EA	4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,000.36	152.38
08 34 23 00-0103		**Basement Doors** *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0104	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series)	1,281.62	171.94
08 34 23 00-0105	EA	30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series)	1,091.72	130.30
08 34 23 00-0106	EA	22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series)	1,130.50	143.29
08 34 23 00-0107	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series)	1,208.07	152.83
08 34 23 00-0108	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series)	1,335.78	171.94
08 34 49		**Radiation Shielding Doors And Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors And Frames** *(08 34 49)*		
08 34 49 13-0001		**Lead Lined Doors And Frames** *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	99.10	7.64
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	123.10	7.64
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	109.41	7.64
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	117.41	7.64
08 34 53		**Security Doors And Frames** *(08 34)*		
08 34 53 00-0001		**Metal Security Doors** *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	849.18	59.28
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	849.18	59.28
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,214.52	59.28
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	894.31	145.75
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,003.80	163.97
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,076.78	182.19
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,186.27	200.41
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,025.71	147.57
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,098.84	165.80
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,204.64	184.01
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,281.67	202.23
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,084.14	149.40
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,157.06	167.61
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,221.01	176.72
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,285.15	185.84
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,367.27	204.06
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,197.45	151.22
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,270.17	169.44
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,343.20	178.55
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,435.11	187.66
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,562.54	205.87
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,369.24	154.86
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,463.79	174.90
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,576.95	185.84
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,643.46	191.30
08 34 56 00-0024		**Pivoting Single Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	605.94	102.02
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	649.75	105.67
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	693.56	109.31
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	744.68	116.60
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	777.52	123.89
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	649.64	105.67
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	693.61	109.31
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	737.43	112.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	788.52	120.25
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	821.52	127.54
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	711.72	109.31
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	755.70	112.96
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	799.47	116.60
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	850.68	123.89
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	901.95	131.17

08 34 56 00-0040 Window Gates, Expands From 2' To 4' *(08 34 56)*

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	246.91	40.09
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	254.20	43.72
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	254.20	43.72
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	262.21	47.37
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	262.21	47.37
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	269.49	51.01
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	269.50	51.01
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	276.78	54.66
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	276.78	54.66
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	284.07	58.30
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	284.07	58.30

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' *(08 34 56)*

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	291.37	61.95
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	293.60	61.95
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	303.83	65.59
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	314.08	69.24
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	317.03	69.24
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	327.28	72.87
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	330.24	72.87
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	339.58	76.52
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	343.45	76.52

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001 Steel Acoustical Door Assembly *(08 34 73 13)*

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors *(08 34 73 13-0001)*

Note: Includes hinges.

08 34 73 13-0003	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	3,052.14	45.85
		For 60 Minutes Fire Rated, Add	*178.82*	
		For 3" x 33" Vision Lite, Add	*1,242.56*	
		For 20" x 64" Vision Lite, Add	*1,329.67*	
08 34 73 13-0004	EA	3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)	3,234.79	47.76
		For 60 Minutes Fire Rated, Add	*178.82*	
		For 3" x 33" Vision Lite, Add	*1,242.56*	
		For 20" x 64" Vision Lite, Add	*1,329.67*	
08 34 73 13-0005	EA	4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)	3,421.24	51.58
		For 60 Minutes Fire Rated, Add	*178.82*	
		For 3" x 33" Vision Lite, Add	*1,242.56*	
		For 20" x 64" Vision Lite, Add	*1,329.67*	
08 34 73 13-0006	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	6,095.10	87.12
		For 1 Hour Fire Rated, Add	*357.64*	
		For 3" x 33" Windows, Add	*2,485.12*	
		For 20" x 64" Windows, Add	*2,659.35*	

08 34 73 13-0007 Steel Acoustical Door Frames *(08 34 73 13-0001)*

08 34 73 13-0008	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,472.88	76.42
08 34 73 13-0009	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,538.60	76.42
08 34 73 13-0010	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,604.32	76.42
08 34 73 13-0011	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,670.04	76.42
08 34 73 13-0012	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,830.53	84.07
08 34 73 13-0013	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,903.89	84.07
08 34 73 13-0014	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,969.61	84.07
08 34 73 13-0015	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,051.12	84.07
08 34 73 13-0016	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,197.33	87.88
08 34 73 13-0017	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,263.05	87.88
08 34 73 13-0018	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,328.77	87.88
08 34 73 13-0019	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,402.13	87.88
08 34 73 13-0020	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,697.73	99.34
08 34 73 13-0021	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,760.39	99.34
08 34 73 13-0022	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,827.64	99.34
08 34 73 13-0023	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,896.41	99.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16		**Wood Sound Control Door Assemblies** *(08 34 73)*		
08 34 73 16-0001		Wood Acoustical Door Assembly *(08 34 73 16)* Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	2,992.20	137.56
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	4,138.47	137.56
08 36		Panel Doors *(08 30)*		
08 36 13		**Sectional Doors** *(08 36)* Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0805 for forklift.		
08 36 13 00-0001		Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*		
08 36 13 00-0002		Wood Sectional Overhead Doors *(08 36 13 00-0001)* Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	2,352.97	305.68
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	2,955.69	339.30
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	3,791.13	406.55
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	5,550.08	470.74
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	5,885.66	611.35
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	5,472.39	764.18
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	10,266.11	1,018.66
08 36 13 00-0010		Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)* Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,218.30	152.83
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*379.07*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,970.30	152.83
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*401.79*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0013		Sectional Metal Overhead Doors (Width x Height) *(08 36 13)* Note: Includes tracks and all hardware.		
08 36 13 00-0014		Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*		
08 36 13 00-0015		Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)* Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,388.06	267.46
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*123.70*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*213.28*	
		For Aluminum, Mill Finish, Add	*97.26*	
		For Aluminum, Anodized Finish, Add	*272.15*	
08 36 13 00-0017	EA	8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,641.27	305.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*149.34*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*257.48*	
		For Aluminum, Mill Finish, Add	*117.41*	
		For Aluminum, Anodized Finish, Add	*328.54*	
08 36 13 00-0018	EA	8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,023.41	382.09
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*182.59*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*314.81*	
		For Aluminum, Mill Finish, Add	*143.55*	
		For Aluminum, Anodized Finish, Add	*401.69*	
08 36 13 00-0019	EA	10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,562.53	305.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*137.92*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*237.80*	
		For Aluminum, Mill Finish, Add	*108.43*	
		For Aluminum, Anodized Finish, Add	*303.43*	
08 36 13 00-0020	EA	10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,922.57	382.09
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*167.97*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*289.60*	
		For Aluminum, Mill Finish, Add	*132.06*	
		For Aluminum, Anodized Finish, Add	*369.53*	
08 36 13 00-0021	EA	10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,410.14	496.72
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*205.42*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*354.18*	
		For Aluminum, Mill Finish, Add	*161.50*	
		For Aluminum, Anodized Finish, Add	*451.93*	
08 36 13 00-0022	EA	10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,835.56	611.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*233.86*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*403.22*	
		For Aluminum, Mill Finish, Add	*183.87*	
		For Aluminum, Anodized Finish, Add	*514.50*	
08 36 13 00-0023	EA	12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,856.28	382.09
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*158.35*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*273.03*	
		For Aluminum, Mill Finish, Add	*124.50*	
		For Aluminum, Anodized Finish, Add	*348.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0024	EA	12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,310.69	496.72
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*191.00*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*329.31*	
		For Aluminum, Mill Finish, Add	*150.17*	
		For Aluminum, Anodized Finish, Add	*420.20*	
08 36 13 00-0025	EA	12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,817.59	611.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*231.26*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*398.72*	
		For Aluminum, Mill Finish, Add	*181.82*	
		For Aluminum, Anodized Finish, Add	*508.77*	
08 36 13 00-0026	EA	12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,321.74	725.98
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*271.12*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*467.45*	
		For Aluminum, Mill Finish, Add	*213.16*	
		For Aluminum, Anodized Finish, Add	*596.46*	
08 36 13 00-0027	EA	12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,957.55	878.81
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*318.99*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*549.98*	
		For Aluminum, Mill Finish, Add	*250.79*	
		For Aluminum, Anodized Finish, Add	*701.78*	
08 36 13 00-0028	EA	14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,179.47	496.72
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*171.97*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*296.51*	
		For Aluminum, Mill Finish, Add	*135.21*	
		For Aluminum, Anodized Finish, Add	*378.34*	
08 36 13 00-0029	EA	14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,680.85	611.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*211.43*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*364.54*	
		For Aluminum, Mill Finish, Add	*166.23*	
		For Aluminum, Anodized Finish, Add	*465.15*	
08 36 13 00-0030	EA	14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,302.85	764.18
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*257.30*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*443.62*	
		For Aluminum, Mill Finish, Add	*202.29*	
		For Aluminum, Anodized Finish, Add	*566.06*	
08 36 13 00-0031	EA	14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,809.75	878.81
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*297.56*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*513.03*	
		For Aluminum, Mill Finish, Add	*233.94*	
		For Aluminum, Anodized Finish, Add	*654.63*	
08 36 13 00-0032	EA	14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,389.86	993.44
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*348.43*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*600.75*	
		For Aluminum, Mill Finish, Add	*273.94*	
		For Aluminum, Anodized Finish, Add	*766.55*	
08 36 13 00-0033	EA	16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,632.49	611.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*204.42*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*352.45*	
		For Aluminum, Mill Finish, Add	*160.72*	
		For Aluminum, Anodized Finish, Add	*449.72*	
08 36 13 00-0034	EA	16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,251.73	764.18
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*249.89*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*430.84*	
		For Aluminum, Mill Finish, Add	*196.46*	
		For Aluminum, Anodized Finish, Add	*549.75*	
08 36 13 00-0035	EA	16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,835.98	878.81
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*301.36*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*519.59*	
		For Aluminum, Mill Finish, Add	*236.93*	
		For Aluminum, Anodized Finish, Add	*663.00*	
08 36 13 00-0036	EA	16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,597.06	993.44
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*378.48*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*652.55*	
		For Aluminum, Mill Finish, Add	*297.56*	
		For Aluminum, Anodized Finish, Add	*832.65*	
08 36 13 00-0037	EA	16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,359.97	1,146.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*444.77*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*766.85*	
		For Aluminum, Mill Finish, Add	*349.68*	
		For Aluminum, Anodized Finish, Add	*978.50*	
08 36 13 00-0038	EA	18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,358.12	764.18
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*265.31*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*457.44*	
		For Aluminum, Mill Finish, Add	*208.59*	
		For Aluminum, Anodized Finish, Add	*583.69*	
08 36 13 00-0039	EA	18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,026.62	878.81
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*329.01*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*567.25*	
		For Aluminum, Mill Finish, Add	*258.67*	
		For Aluminum, Anodized Finish, Add	*723.81*	
08 36 13 00-0040	EA	18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,900.95	993.44
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*422.54*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*728.52*	
		For Aluminum, Mill Finish, Add	*332.20*	
		For Aluminum, Anodized Finish, Add	*929.59*	
08 36 13 00-0041	EA	18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,665.25	1,146.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*489.04*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*843.17*	
		For Aluminum, Mill Finish, Add	*384.49*	
		For Aluminum, Anodized Finish, Add	*1,075.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0042	EA	18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,515.18	1,299.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*567.95*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*979.23*	
		For Aluminum, Mill Finish, Add	*446.53*	
		For Aluminum, Anodized Finish, Add	*1,249.50*	
08 36 13 00-0043	EA	20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,809.75	878.81
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*297.56*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*513.03*	
		For Aluminum, Mill Finish, Add	*233.94*	
		For Aluminum, Anodized Finish, Add	*654.63*	
08 36 13 00-0044	EA	20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,478.27	993.44
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*361.25*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*622.85*	
		For Aluminum, Mill Finish, Add	*284.02*	
		For Aluminum, Anodized Finish, Add	*794.75*	
08 36 13 00-0045	EA	20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,558.89	1,146.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*473.62*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*816.58*	
		For Aluminum, Mill Finish, Add	*372.36*	
		For Aluminum, Anodized Finish, Add	*1,041.96*	
08 36 13 00-0046	EA	20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,323.17	1,299.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*540.11*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*931.23*	
		For Aluminum, Mill Finish, Add	*424.64*	
		For Aluminum, Anodized Finish, Add	*1,188.25*	
08 36 13 00-0047	EA	20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,869.30	1,451.95
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*719.98*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,241.34*	
		For Aluminum, Mill Finish, Add	*566.05*	
		For Aluminum, Anodized Finish, Add	*1,583.95*	
08 36 13 00-0048	EA	22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,235.15	993.44
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*326.00*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*562.07*	
		For Aluminum, Mill Finish, Add	*256.30*	
		For Aluminum, Anodized Finish, Add	*717.20*	
08 36 13 00-0049	EA	22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,261.91	1,146.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*430.55*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*742.34*	
		For Aluminum, Mill Finish, Add	*338.50*	
		For Aluminum, Anodized Finish, Add	*947.22*	
08 36 13 00-0050	EA	22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,261.02	1,299.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*531.10*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*915.69*	
		For Aluminum, Mill Finish, Add	*417.56*	
		For Aluminum, Anodized Finish, Add	*1,168.42*	
08 36 13 00-0051	EA	22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,423.12	1,451.95
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*655.28*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,129.80*	
		For Aluminum, Mill Finish, Add	*515.19*	
		For Aluminum, Anodized Finish, Add	*1,441.62*	
08 36 13 00-0052	EA	22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,384.91	1,604.79
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*750.42*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,293.83*	
		For Aluminum, Mill Finish, Add	*589.99*	
		For Aluminum, Anodized Finish, Add	*1,650.93*	
08 36 13 00-0053	EA	24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,674.84	1,146.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*345.43*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*595.57*	
		For Aluminum, Mill Finish, Add	*271.58*	
		For Aluminum, Anodized Finish, Add	*759.94*	
08 36 13 00-0054	EA	24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,744.39	1,299.12
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*456.19*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*786.54*	
		For Aluminum, Mill Finish, Add	*358.66*	
		For Aluminum, Anodized Finish, Add	*1,003.62*	
08 36 13 00-0055	EA	24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,052.93	1,451.95
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*601.61*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,037.25*	
		For Aluminum, Mill Finish, Add	*472.99*	
		For Aluminum, Anodized Finish, Add	*1,323.53*	
08 36 13 00-0056	EA	24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,893.16	1,604.79
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*679.12*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,170.90*	
		For Aluminum, Mill Finish, Add	*533.93*	
		For Aluminum, Anodized Finish, Add	*1,494.06*	
08 36 13 00-0057	EA	24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,879.83	1,757.63
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*777.86*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,341.15*	
		For Aluminum, Mill Finish, Add	*611.56*	
		For Aluminum, Anodized Finish, Add	*1,711.30*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,794.56	267.46
		For Aluminum, Mill Finish, Add	*143.60*	
		For Aluminum, Anodized Finish, Add	*401.82*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*157.45*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*314.91*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*818.76*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,574.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,145.83	305.68
		For Aluminum, Mill Finish, Add	*174.93*	
		For Aluminum, Anodized Finish, Add	*489.50*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*191.81*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*383.62*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*997.41*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,918.10*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,632.11	382.09
		For Aluminum, Mill Finish, Add	*212.94*	
		For Aluminum, Anodized Finish, Add	*595.87*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*233.49*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*466.98*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,214.15*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,334.91*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,089.80	305.68
		For Aluminum, Mill Finish, Add	*168.54*	
		For Aluminum, Anodized Finish, Add	*471.63*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*184.81*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*369.61*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*960.99*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,848.06*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,563.08	382.09
		For Aluminum, Mill Finish, Add	*205.07*	
		For Aluminum, Anodized Finish, Add	*573.85*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*224.86*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*449.73*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,169.29*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,248.63*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,252.14	496.72
		For Aluminum, Mill Finish, Add	*257.49*	
		For Aluminum, Anodized Finish, Add	*720.53*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*282.34*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*564.68*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,468.16*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,823.38*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,754.95	611.35
		For Aluminum, Mill Finish, Add	*288.68*	
		For Aluminum, Anodized Finish, Add	*807.79*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*316.53*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*633.06*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,645.96*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,165.31*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,457.58	382.09
		For Aluminum, Mill Finish, Add	*193.05*	
		For Aluminum, Anodized Finish, Add	*540.19*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*211.68*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*423.35*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,100.71*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,116.75*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,052.86	496.72
		For Aluminum, Mill Finish, Add	*234.77*	
		For Aluminum, Anodized Finish, Add	*656.95*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*257.43*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*514.86*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,338.62*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,574.28*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,719.79	611.35
		For Aluminum, Mill Finish, Add	*284.67*	
		For Aluminum, Anodized Finish, Add	*796.57*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*312.14*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*624.27*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,623.11*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,121.36*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,343.72	725.98
		For Aluminum, Mill Finish, Add	*329.66*	
		For Aluminum, Anodized Finish, Add	*922.47*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*361.47*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*722.94*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,879.65*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,614.71*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,274.63	878.81
		For Aluminum, Mill Finish, Add	*400.94*	
		For Aluminum, Anodized Finish, Add	*1,121.93*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*439.63*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*879.25*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,286.06*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,396.26*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,897.85	496.72
		For Aluminum, Mill Finish, Add	*217.10*	
		For Aluminum, Anodized Finish, Add	*607.51*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*238.05*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*476.10*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,237.87*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,380.51*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,596.04	611.35
		For Aluminum, Mill Finish, Add	*270.56*	
		For Aluminum, Anodized Finish, Add	*757.10*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*296.67*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*593.34*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,542.67*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,966.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,364.14	764.18
		For Aluminum, Mill Finish, Add	*323.28*	
		For Aluminum, Anodized Finish, Add	*904.61*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*354.47*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*708.94*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,843.24*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,544.70*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,154.78	878.81
		For Aluminum, Mill Finish, Add	*387.28*	
		For Aluminum, Anodized Finish, Add	*1,083.69*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*424.65*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*849.29*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,208.15*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,246.45*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,924.62	993.44
		For Aluminum, Mill Finish, Add	*448.90*	
		For Aluminum, Anodized Finish, Add	*1,256.14*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*492.22*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*984.44*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,559.53*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,922.18*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,461.88	611.35
		For Aluminum, Mill Finish, Add	*255.27*	
		For Aluminum, Anodized Finish, Add	*714.30*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*279.90*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*559.80*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,455.47*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,798.98*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,468.35	764.18
		For Aluminum, Mill Finish, Add	*335.16*	
		For Aluminum, Anodized Finish, Add	*937.85*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*367.50*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*734.99*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,910.98*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,674.96*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,225.13	878.81
		For Aluminum, Mill Finish, Add	*395.30*	
		For Aluminum, Anodized Finish, Add	*1,106.14*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*433.44*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*866.88*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,253.88*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,334.39*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,987.13	993.44
		For Aluminum, Mill Finish, Add	*456.03*	
		For Aluminum, Anodized Finish, Add	*1,276.08*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*500.03*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,000.06*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,600.16*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,000.31*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,095.21	1,146.27
		For Aluminum, Mill Finish, Add	*547.50*	
		For Aluminum, Anodized Finish, Add	*1,532.04*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*600.33*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,200.66*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,121.72*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,003.30*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,962.93	764.18
		For Aluminum, Mill Finish, Add	*277.54*	
		For Aluminum, Anodized Finish, Add	*776.62*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*304.32*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*608.64*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,582.46*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,043.19*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,947.67	878.81
		For Aluminum, Mill Finish, Add	*363.67*	
		For Aluminum, Anodized Finish, Add	*1,017.63*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*398.76*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*797.51*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,073.53*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,987.56*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,757.87	993.44
		For Aluminum, Mill Finish, Add	*429.89*	
		For Aluminum, Anodized Finish, Add	*1,202.95*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*471.37*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*942.75*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,451.14*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,713.74*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,228.07	1,146.27
		For Aluminum, Mill Finish, Add	*562.65*	
		For Aluminum, Anodized Finish, Add	*1,574.42*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*616.94*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,233.88*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,208.08*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,169.38*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,897.17	1,299.12
		For Aluminum, Mill Finish, Add	*604.08*	
		For Aluminum, Anodized Finish, Add	*1,690.36*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*662.37*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,324.73*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,444.30*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,623.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,922.92	878.81
		For Aluminum, Mill Finish, Add	*360.84*	
		For Aluminum, Anodized Finish, Add	*1,009.73*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*395.66*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*791.33*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,057.45*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,956.63*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,815.20	993.44
		For Aluminum, Mill Finish, Add	*436.43*	
		For Aluminum, Anodized Finish, Add	*1,221.23*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*478.54*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*957.08*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,488.41*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,785.40*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,495.10	1,146.27
		For Aluminum, Mill Finish, Add	*593.09*	
		For Aluminum, Anodized Finish, Add	*1,659.61*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*650.32*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,300.63*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,381.64*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,503.16*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,135.54	1,299.12
		For Aluminum, Mill Finish, Add	*631.25*	
		For Aluminum, Anodized Finish, Add	*1,766.40*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*692.16*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,384.32*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,599.24*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,921.61*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,479.38	1,451.95
		For Aluminum, Mill Finish, Add	*749.60*	
		For Aluminum, Anodized Finish, Add	*2,097.57*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*821.93*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,643.86*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,274.04*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,219.31*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,386.64	993.44
		For Aluminum, Mill Finish, Add	*387.57*	
		For Aluminum, Anodized Finish, Add	*1,084.52*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*424.97*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*849.94*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,209.84*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,249.70*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,700.53	1,146.27
		For Aluminum, Mill Finish, Add	*502.51*	
		For Aluminum, Anodized Finish, Add	*1,406.14*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*551.00*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,101.99*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,865.17*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,509.95*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,992.27	1,299.12
		For Aluminum, Mill Finish, Add	*614.92*	
		For Aluminum, Anodized Finish, Add	*1,720.69*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*674.25*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,348.51*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,506.11*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,742.53*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,985.70	1,451.95
		For Aluminum, Mill Finish, Add	*693.32*	
		For Aluminum, Anodized Finish, Add	*1,940.08*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*760.22*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,520.44*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,953.15*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*7,602.21*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,277.41	1,604.79
		For Aluminum, Mill Finish, Add	*805.73*	
		For Aluminum, Anodized Finish, Add	*2,254.64*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*883.48*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,766.96*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,594.09*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,834.79*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,980.20	1,146.27
		For Aluminum, Mill Finish, Add	*420.39*	
		For Aluminum, Anodized Finish, Add	*1,176.35*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*460.95*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*921.91*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,396.96*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,609.54*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,438.68	1,299.12
		For Aluminum, Mill Finish, Add	*551.81*	
		For Aluminum, Anodized Finish, Add	*1,544.10*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*605.05*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,210.11*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,146.28*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,050.54*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,656.16	1,451.95
		For Aluminum, Mill Finish, Add	*655.75*	
		For Aluminum, Anodized Finish, Add	*1,834.96*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*719.03*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,438.06*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,738.95*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*7,190.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,950.47	1,604.79
		For Aluminum, Mill Finish, Add	*768.46*	
		For Aluminum, Anodized Finish, Add	*2,150.34*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*842.61*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,685.22*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,381.58*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,426.11*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,222.65	1,757.63
		For Aluminum, Mill Finish, Add	*878.64*	
		For Aluminum, Anodized Finish, Add	*2,458.66*	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*963.43*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,926.85*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,009.81*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*9,634.25*	
08 36 13 00-0101		**Residential Grade, Galvanized Steel Sectional Overhead Doors** *(08 36 13 00-0013)*		
		Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA	9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	865.18	152.83
		For Aluminum And Fiberglass, Add	*149.76*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*173.91*	
08 36 13 00-0103	EA	9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	951.88	152.83
		For Aluminum And Fiberglass, Add	*176.63*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*205.12*	
08 36 13 00-0104	EA	16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,235.10	174.85
		For Aluminum And Fiberglass, Add	*247.67*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*287.61*	
08 36 13 00-0105	EA	16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,371.32	174.85
		For Aluminum And Fiberglass, Add	*289.89*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*336.65*	
08 36 13 00-0106		**Remove And Reinstall Sectional Metal Overhead Doors And Supports** *(08 36 13 00-0013)*		
		Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	11.05	
08 36 13 00-0108		**Sectional Fiberglass Overhead Doors (Width x Height)** *(08 36 13)*		
08 36 13 00-0109		**Fiberglass Sectional Overhead Doors** *(08 36 13 00-0108)*		
08 36 13 00-0110		**Non-Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA	8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,192.29	267.46
08 36 13 00-0112	EA	8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,609.36	305.68
08 36 13 00-0113	EA	8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,075.66	382.09
08 36 13 00-0114	EA	10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,576.65	305.68
08 36 13 00-0115	EA	10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,086.41	343.89
08 36 13 00-0116	EA	10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,820.05	477.62
08 36 13 00-0117	EA	10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,558.68	611.35
08 36 13 00-0118	EA	12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,029.32	382.09
08 36 13 00-0119	EA	12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,800.97	477.62
08 36 13 00-0120	EA	12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,561.48	573.14
08 36 13 00-0121	EA	12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,510.77	764.18
08 36 13 00-0122	EA	12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	6,391.00	917.03
08 36 13 00-0123	EA	14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,634.67	534.93
08 36 13 00-0124	EA	14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,444.20	611.35
08 36 13 00-0125	EA	14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,412.64	764.18
08 36 13 00-0126	EA	14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	6,380.09	917.03
08 36 13 00-0127	EA	14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	7,197.66	993.44
08 36 13 00-0128	EA	16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,125.28	611.35
08 36 13 00-0129	EA	16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,998.01	687.77
08 36 13 00-0130	EA	16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	6,040.29	840.61
08 36 13 00-0131	EA	16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	7,069.55	993.44
08 36 13 00-0132	EA	16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	7,945.33	1,069.86
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,739.19	267.46
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,268.71	305.68
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,838.45	382.09
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,225.20	305.68
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,877.99	343.89
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,765.43	477.62
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,659.68	611.35
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,776.82	382.09
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,740.06	477.62
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,688.57	573.14
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,824.96	764.18
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	7,894.98	917.03
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,481.11	534.93
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,507.42	611.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	6,694.45	764.18
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	7,880.48	917.03
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,917.53	993.44
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,083.26	611.35
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,193.46	687.77
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,478.62	840.61
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,747.14	993.44
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,861.30	1,069.86

08 36 13 00-0156 Sectional Overhead Door Accessories *(08 36 13)*

08 36 13 00-0157 Sectional Overhead Door Accessories *(08 36 13 00-0156)*

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	3.03
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	4.47
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	2.38
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	279.32
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	465.05
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,539.42
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	870.92
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,133.92
		For Door Height >12', Add *Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.*	*10.00*
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	21.86
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.63
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	22.85
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	15.58
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	36.77
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	24.82
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	448.62
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	699.59
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,026.58
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.43
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.84
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.43

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0002	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	58.64	21.55
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*2.35*	
		For Ribbed Strip Material, Add	*4.93*	
08 38 13 00-0003	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	62.17	21.55
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*2.70*	
		For Ribbed Strip Material, Add	*5.67*	
08 38 13 00-0004	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	104.82	26.67
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*6.13*	
		For Ribbed Strip Material, Add	*12.87*	
08 38 13 00-0005	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	119.69	26.67
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*7.61*	
		For Ribbed Strip Material, Add	*15.99*	
08 38 13 00-0006	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	135.06	26.67
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*9.15*	
		For Ribbed Strip Material, Add	*19.22*	
08 38 13 00-0007	EA	16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip	212.97	27.21
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*15.85*	
		For Ribbed Strip Material, Add	*33.29*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0001		0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*		
08 38 16 00-0002		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*		
08 38 16 00-0003		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*		
08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,385.93	76.42
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,577.88	76.42
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,354.58	87.88
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,008.33	95.53
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,330.28	95.53
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,760.02	95.53
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,864.65	114.63
08 38 16 00-0011		Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*		
08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,653.16	76.42
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,866.92	76.42
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,338.91	87.88
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,988.29	95.53
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,454.16	95.53
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,891.29	95.53
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	12,123.22	114.63
08 38 16 00-0019		0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*		
		Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020		Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,196.11	42.03
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,289.78	42.03
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,289.78	42.03
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,316.20	42.03
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,369.28	72.60
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,556.63	72.60
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,556.63	72.60
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,609.47	72.60
08 38 19		**Rigid Traffic Doors** *(08 38)*		
		Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	583.63	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	626.87	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	647.51	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	673.93	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	704.19	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	761.84	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	790.09	51.58
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0011 96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*

08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	658.09	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	691.72	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	714.76	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	733.98	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	802.67	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	817.08	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	842.93	51.58
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*

08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,144.34	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,230.81	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,264.43	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,317.27	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,377.77	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,493.06	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,526.69	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,293.25	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,360.51	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,398.94	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,437.37	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,574.73	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,603.55	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,632.37	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0036 3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.

08 38 19 00-0037 Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,025.58	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,138.46	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,187.93	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,235.96	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,254.22	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,352.69	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,453.00	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,469.81	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,121.65	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,239.34	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,288.80	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,348.85	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,395.92	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,492.00	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,541.87	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,601.91	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0057		84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,028.22	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,253.99	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,345.26	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,441.34	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,477.82	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,674.77	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,852.51	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,886.14	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0066		96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,220.37	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,455.75	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,547.02	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,667.11	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,761.24	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,953.39	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,030.25	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,150.34	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0075		3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*		
		Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076		Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*		
08 38 19 00-0077		84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*		
08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,083.22	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,227.33	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,269.59	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,284.00	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,302.25	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,436.76	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,558.68	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,575.49	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0086		96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*		
08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,114.44	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,292.18	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,336.84	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,356.06	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,364.70	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,463.18	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,582.70	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,601.91	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0095		Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*		
08 38 19 00-0096		84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*		
08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,143.51	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,431.73	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,508.59	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,537.41	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,573.89	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,842.90	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,063.87	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,097.50	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0105		96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*		
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,205.96	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,561.43	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,643.09	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,681.52	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,698.79	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,895.74	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,111.91	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,150.34	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0114		1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*		
		Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115		Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0116		84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*		
08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,371.44	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,498.74	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,536.20	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,567.42	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,624.10	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,684.15	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,743.62	51.58
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,784.46	51.58
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0125		96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,479.52	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,614.03	42.03
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,653.89	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,670.70	43.94
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,722.58	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,801.84	45.85
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,851.71	51.58
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,892.54	51.58
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,719.95	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,974.55	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,041.80	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,104.25	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,217.59	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,337.68	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,433.76	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,515.42	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,936.12	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,205.13	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,277.18	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,310.81	72.60
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,414.54	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,573.06	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,649.92	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,731.59	76.42
		For Each 18" x 30" Window, Add	*41.00*	
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	

08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.

08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,347.42	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,417.08	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,483.35	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,524.19	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,628.90	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,710.57	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,786.86	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,863.72	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,395.46	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,479.52	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,524.19	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,581.83	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,693.75	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,792.23	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,863.72	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,935.77	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,517.95	42.03
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,534.77	42.03
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,608.25	43.94
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,661.09	43.94
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,775.42	45.85
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,893.11	45.85
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,959.79	51.58
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,031.85	51.58
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,671.92	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,811.22	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,936.12	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,017.78	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,227.20	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,390.52	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,520.22	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,673.94	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,767.99	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,936.12	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,017.78	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,133.07	72.60
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,356.90	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,553.85	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,673.94	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,818.05	76.42
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0201 96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,012.98	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,046.60	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,185.91	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,291.59	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,520.22	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,755.61	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,866.09	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,010.20	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,347.42	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,417.08	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,483.35	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,524.19	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,628.90	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,710.57	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,786.86	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,863.72	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,395.46	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,479.52	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,524.19	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,581.83	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,693.75	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,792.23	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,863.72	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,935.77	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0230		**96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,517.95	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,534.77	42.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,608.25	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,661.09	43.94
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,775.42	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,893.11	45.85
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,959.79	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,031.85	51.58
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		**Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0210)*		
08 38 19 00-0240		**84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,671.92	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,811.22	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,936.12	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,017.78	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,227.20	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,390.52	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,520.22	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,673.94	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0249		**90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,767.99	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,936.12	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,017.78	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,133.07	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,356.90	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,553.85	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,673.94	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,818.05	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0258		96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,012.98	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,046.60	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,185.91	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,291.59	72.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,520.22	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,755.61	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,866.09	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,010.20	76.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0267		Rigid Impact Traffic Door Accessories *(08 38 19)*		
08 38 19 00-0268		Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	119.43	30.56
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	131.44	30.56
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	141.05	30.56
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	157.86	30.56
08 38 19 00-0273		Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	313.98	30.56
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	414.86	30.56
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	609.41	30.56
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	703.08	30.56
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	799.15	30.56
08 38 19 00-0279		Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280		12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	141.05	30.56
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	150.65	30.56
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	162.66	30.56
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	179.47	30.56
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	189.08	30.56
08 38 19 00-0286		24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	189.08	30.56
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	232.32	30.56
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	256.33	30.56
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	289.96	30.56
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	311.58	30.56
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	232.32	30.56
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	270.74	30.56
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	299.57	30.56
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	352.41	30.56
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	388.44	30.56
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	256.33	30.56
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	299.57	30.56
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	347.60	30.56
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	374.02	30.56
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	414.86	30.56
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	311.58	30.56
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	388.44	30.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	414.86	30.56
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	465.29	30.56
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	520.54	30.56
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	136.24	30.56
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	145.85	30.56
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	150.65	30.56
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	172.27	30.56
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	181.88	30.56
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	172.27	30.56
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	186.68	30.56
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	201.09	30.56
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	213.10	30.56
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	232.32	30.56
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	196.29	30.56
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	208.30	30.56
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	237.12	30.56
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	268.34	30.56
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	282.75	30.56
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	208.30	30.56
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	232.32	30.56
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	268.34	30.56
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	297.17	30.56
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	313.98	30.56
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	263.54	30.56
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	297.17	30.56
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	342.80	30.56
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	364.42	30.56
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	393.24	30.56
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	179.47	30.56
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	189.08	30.56
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	217.90	30.56
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	232.32	30.56
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	273.15	30.56
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	246.73	30.56
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	289.96	30.56
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	333.19	30.56
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	386.03	30.56
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	434.07	30.56
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	280.35	30.56
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	338.00	30.56
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	390.84	30.56
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	446.08	30.56
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	510.93	30.56
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	323.59	30.56
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	386.03	30.56
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	458.09	30.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	527.74	30.56
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	587.79	30.56
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	400.44	30.56
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	549.36	30.56
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	587.79	30.56
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	703.08	30.56
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	770.33	30.56
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	160.26	30.56
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	172.27	30.56
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	186.68	30.56
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	203.49	30.56
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	229.91	30.56
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	213.10	30.56
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	241.92	30.56
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	270.74	30.56
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	301.97	30.56
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	338.00	30.56
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	241.92	30.56
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	277.95	30.56
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	318.78	30.56
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	369.22	30.56
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	402.85	30.56
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	270.74	30.56
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	318.78	30.56
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	369.22	30.56
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	419.66	30.56
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	455.69	30.56
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	338.00	30.56
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	412.45	30.56
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	455.69	30.56
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	542.15	30.56
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	566.17	30.56
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	218.35	38.21
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	290.40	38.21
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	554.61	38.21
08 38 19 00-0408		Other Impact Traffic Door Accessories *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	57.53	19.10
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	74.34	19.10
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	177.62	19.10
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	220.86	19.10
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	91.16	19.10
08 38 19 00-0414		Impact Traffic Door Knock Down Frames *(08 38 19)* Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0416		84" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	543.62	57.31
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	636.80	63.05
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	652.59	66.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	671.20	72.60
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	688.03	76.42
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	717.71	80.24
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	740.10	84.07
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	755.81	87.88
08 38 19 00-0425		**90" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	554.34	57.31
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	649.55	63.05
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	665.57	66.87
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	684.35	72.60
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	701.41	76.42
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	731.64	80.24
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	754.39	84.07
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	770.31	87.88
08 38 19 00-0434		**96" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	568.58	57.31
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	666.51	63.05
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	682.79	66.87
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	697.59	72.60
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	719.19	76.42
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	745.57	80.24
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	773.39	84.07
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	790.63	85.97
08 38 19 00-0443		**Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0444		**84" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	768.18	87.88
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	781.33	89.41
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	796.24	91.70
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	817.69	95.53
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	831.93	99.34
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	858.44	100.11
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	876.63	101.26
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	898.86	103.17
08 38 19 00-0453		**90" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	782.97	87.88
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	796.34	89.41
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	811.57	91.70
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	833.35	95.53
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	847.78	99.34
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	874.89	100.11
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	893.47	101.26
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	916.17	103.17
08 38 19 00-0462		**96" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	800.24	87.88
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	811.33	89.41
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	831.91	91.70
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	849.01	95.53
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	868.80	99.34
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	899.15	100.11
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	915.86	101.26
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	936.47	103.17

08 40 Entrances, Storefronts, And Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 11 00-2084 for exit device, 08 71 11 00-2216 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14) Note: Including Glazing, Trim And Hardware	4,670.88	527.15
		For 8' High Door, Add	*446.26*	
		For 10' High Door, Add	*970.14*	
		For 1" Insulated Glazing, Add	*66.06*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14) Note: Including Glazing, Trim And Hardware	4,696.03	527.15
		For 8' High Door, Add	*449.16*	
		For 10' High Door, Add	*976.43*	
		For 1" Insulated Glazing, Add	*66.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14) Note: Including Glazing, Trim And Hardware	7,906.91	790.58
		For 8' High Door, Add	*773.23*	
		For 10' High Door, Add	*1,680.94*	
		For 1" Insulated Glazing, Add	*132.13*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14) Note: Including Glazing, Trim And Hardware	9,144.07	790.58
		For 8' High Door, Add	*915.51*	
		For 10' High Door, Add	*1,990.23*	
		For 1" Insulated Glazing, Add	*132.13*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware	5,198.94	527.15
		For 8' High Door, Add	*506.99*	
		For 10' High Door, Add	*1,102.15*	
		For 1" Insulated Glazing, Add	*66.06*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware	5,256.77	527.15
		For 8' High Door, Add	*513.64*	
		For 10' High Door, Add	*1,116.61*	
		For 1" Insulated Glazing, Add	*66.06*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware	8,905.19	790.58
		For 8' High Door, Add	*888.04*	
		For 10' High Door, Add	*1,930.51*	
		For 1" Insulated Glazing, Add	*132.13*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware	10,113.21	790.58
		For 8' High Door, Add	*1,026.96*	
		For 10' High Door, Add	*2,232.52*	
		For 1" Insulated Glazing, Add	*132.13*	

08 42 29 Automatic Entrances *(08 42)*

08 42 29 33 Swinging Automatic Entrances *(08 42 29)*

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight *(08 42 29 33)*

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	2,696.69	399.88
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	4,594.12	533.20
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 LB Panel	2,238.87	319.90
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	3,997.45	479.85

08 42 29 33-0006 Activation Devices For Door Operators *(08 42 29 33)*

08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	383.16	31.99
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	337.91	31.99
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	341.52	31.99
08 42 29 33-0010	EA	4" x 4", ADA Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	124.38	31.99
08 42 29 33-0011	EA	1-1/2" x 4", ADA Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	133.16	31.99
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	103.72	31.99
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	543.83	79.98
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	844.29	39.98
08 42 29 33-0015	EA	Guard Rail For Door With Operator	161.54	39.98

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

08 43 13 00-0001 Aluminum Storefront Framing Assembly *(08 43 13)*

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002	SF	Aluminum Storefront Framing Assembly	38.05	3.80
		For Various Color Class I Anodized Finish, Add	*1.94*	
		For Black Color Class I Anodized Finish, Add	*5.82*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*3.23*	

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly *(08 43 19)*

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.

08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	37.98	3.95
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*3.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	437.27	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.90*	
		For Clear Anodized Finish, Add	*15.75*	
		For Color Anodized Finish, Add	*22.05*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	493.53	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.82*	
		For Clear Anodized Finish, Add	*18.18*	
		For Color Anodized Finish, Add	*25.45*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	541.35	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.23*	
		For Clear Anodized Finish, Add	*20.19*	
		For Color Anodized Finish, Add	*28.27*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	580.69	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.13*	
		For Clear Anodized Finish, Add	*21.78*	
		For Color Anodized Finish, Add	*30.49*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	670.78	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.08*	
		For Clear Anodized Finish, Add	*25.90*	
		For Color Anodized Finish, Add	*36.26*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	21.85	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.04*	
		For Clear Anodized Finish, Add	*0.86*	
		For Color Anodized Finish, Add	*1.21*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	661.36	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.35*	
		For Clear Anodized Finish, Add	*26.95*	
		For Color Anodized Finish, Add	*37.74*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	736.65	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.40*	
		For Clear Anodized Finish, Add	*30.34*	
		For Color Anodized Finish, Add	*42.47*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	799.27	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.70*	
		For Clear Anodized Finish, Add	*33.09*	
		For Color Anodized Finish, Add	*46.32*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	859.75	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.87*	
		For Clear Anodized Finish, Add	*35.73*	
		For Color Anodized Finish, Add	*50.02*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,025.95	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*52.39*	
		For Clear Anodized Finish, Add	*43.66*	
		For Color Anodized Finish, Add	*61.12*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	33.69	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.75*	
		For Clear Anodized Finish, Add	*1.46*	
		For Color Anodized Finish, Add	*2.04*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	699.42	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*34.63*	
		For Clear Anodized Finish, Add	*28.86*	
		For Color Anodized Finish, Add	*40.40*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	789.51	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.58*	
		For Clear Anodized Finish, Add	*32.98*	
		For Color Anodized Finish, Add	*46.17*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	862.69	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.51*	
		For Clear Anodized Finish, Add	*36.26*	
		For Color Anodized Finish, Add	*50.76*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	933.75	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.31*	
		For Clear Anodized Finish, Add	*39.43*	
		For Color Anodized Finish, Add	*55.20*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,116.85	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.84*	
		For Clear Anodized Finish, Add	*48.20*	
		For Color Anodized Finish, Add	*67.48*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	36.71	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.93*	
		For Clear Anodized Finish, Add	*1.61*	
		For Color Anodized Finish, Add	*2.25*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	771.30	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.94*	
		For Clear Anodized Finish, Add	*32.45*	
		For Color Anodized Finish, Add	*45.43*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	888.87	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*45.54*	
		For Clear Anodized Finish, Add	*37.95*	
		For Color Anodized Finish, Add	*53.13*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	964.17	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.60*	
		For Clear Anodized Finish, Add	*41.33*	
		For Color Anodized Finish, Add	*57.86*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,035.22	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.40*	
		For Clear Anodized Finish, Add	*44.50*	
		For Color Anodized Finish, Add	*62.30*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,203.53	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*63.04*	
		For Clear Anodized Finish, Add	*52.54*	
		For Color Anodized Finish, Add	*73.55*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	39.61	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.10*	
		For Clear Anodized Finish, Add	*1.75*	
		For Color Anodized Finish, Add	*2.45*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	494.35	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.32*	
		For Clear Anodized Finish, Add	*18.60*	
		For Color Anodized Finish, Add	*26.05*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	548.50	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.12*	
		For Clear Anodized Finish, Add	*20.93*	
		For Color Anodized Finish, Add	*29.30*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	594.20	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.40*	
		For Clear Anodized Finish, Add	*22.83*	
		For Color Anodized Finish, Add	*31.96*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	642.00	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.81*	
		For Clear Anodized Finish, Add	*24.84*	
		For Color Anodized Finish, Add	*34.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	753.23	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.02*	
		For Clear Anodized Finish, Add	*30.02*	
		For Color Anodized Finish, Add	*42.03*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	24.60	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.20*	
		For Clear Anodized Finish, Add	*1.00*	
		For Color Anodized Finish, Add	*1.40*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	614.85	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.55*	
		For Clear Anodized Finish, Add	*24.63*	
		For Color Anodized Finish, Add	*34.48*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	715.51	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.14*	
		For Clear Anodized Finish, Add	*29.28*	
		For Color Anodized Finish, Add	*40.99*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	797.16	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.58*	
		For Clear Anodized Finish, Add	*32.98*	
		For Color Anodized Finish, Add	*46.17*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	889.35	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.65*	
		For Clear Anodized Finish, Add	*37.21*	
		For Color Anodized Finish, Add	*52.09*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,059.77	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.42*	
		For Clear Anodized Finish, Add	*45.35*	
		For Color Anodized Finish, Add	*63.49*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	34.81	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.81*	
		For Clear Anodized Finish, Add	*1.51*	
		For Color Anodized Finish, Add	*2.12*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	781.87	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.58*	
		For Clear Anodized Finish, Add	*32.98*	
		For Color Anodized Finish, Add	*46.17*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	899.44	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.17*	
		For Clear Anodized Finish, Add	*38.48*	
		For Color Anodized Finish, Add	*53.87*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	997.99	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.63*	
		For Clear Anodized Finish, Add	*43.02*	
		For Color Anodized Finish, Add	*60.23*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,094.42	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.95*	
		For Clear Anodized Finish, Add	*47.46*	
		For Color Anodized Finish, Add	*66.45*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,328.26	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.53*	
		For Clear Anodized Finish, Add	*58.77*	
		For Color Anodized Finish, Add	*82.28*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	43.75	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.35*	
		For Clear Anodized Finish, Add	*1.96*	
		For Color Anodized Finish, Add	*2.74*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,235.58	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.34*	
		For Clear Anodized Finish, Add	*55.28*	
		For Color Anodized Finish, Add	*77.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,355.28	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.06*	
		For Clear Anodized Finish, Add	*60.89*	
		For Color Anodized Finish, Add	*85.24*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,496.09	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.05*	
		For Clear Anodized Finish, Add	*67.55*	
		For Color Anodized Finish, Add	*94.56*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,734.17	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*94.88*	
		For Clear Anodized Finish, Add	*79.07*	
		For Color Anodized Finish, Add	*110.69*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	57.22	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.16*	
		For Clear Anodized Finish, Add	*2.63*	
		For Color Anodized Finish, Add	*3.68*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,713.36	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*95.01*	
		For Clear Anodized Finish, Add	*79.17*	
		For Color Anodized Finish, Add	*110.84*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,847.86	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*102.62*	
		For Clear Anodized Finish, Add	*85.52*	
		For Color Anodized Finish, Add	*119.72*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	2,001.36	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*111.37*	
		For Clear Anodized Finish, Add	*92.81*	
		For Color Anodized Finish, Add	*129.93*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	2,269.03	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.97*	
		For Clear Anodized Finish, Add	*105.81*	
		For Color Anodized Finish, Add	*148.13*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	75.19	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.24*	
		For Clear Anodized Finish, Add	*3.53*	
		For Color Anodized Finish, Add	*4.94*	

08 51 13 00-0065 Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*

08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	447.84	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.53*	
		For Clear Anodized Finish, Add	*16.28*	
		For Color Anodized Finish, Add	*22.79*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	506.22	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.58*	
		For Clear Anodized Finish, Add	*18.82*	
		For Color Anodized Finish, Add	*26.34*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	549.81	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.74*	
		For Clear Anodized Finish, Add	*20.61*	
		For Color Anodized Finish, Add	*28.86*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	595.49	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.02*	
		For Clear Anodized Finish, Add	*22.52*	
		For Color Anodized Finish, Add	*31.52*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	689.81	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.22*	
		For Clear Anodized Finish, Add	*26.85*	
		For Color Anodized Finish, Add	*37.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	22.49	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.07*	
		For Clear Anodized Finish, Add	*0.90*	
		For Color Anodized Finish, Add	*1.25*	
08 51 13 00-0074		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*		
08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	716.33	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.64*	
		For Clear Anodized Finish, Add	*29.70*	
		For Color Anodized Finish, Add	*41.58*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	808.53	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.72*	
		For Clear Anodized Finish, Add	*33.93*	
		For Color Anodized Finish, Add	*47.50*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	881.72	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.65*	
		For Clear Anodized Finish, Add	*37.21*	
		For Color Anodized Finish, Add	*52.09*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	952.77	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.45*	
		For Clear Anodized Finish, Add	*40.38*	
		For Color Anodized Finish, Add	*56.53*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,108.40	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.33*	
		For Clear Anodized Finish, Add	*47.78*	
		For Color Anodized Finish, Add	*66.89*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	36.44	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.91*	
		For Clear Anodized Finish, Add	*1.59*	
		For Color Anodized Finish, Add	*2.23*	
08 51 13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*		
08 51 13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*		
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	502.81	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.83*	
		For Clear Anodized Finish, Add	*19.03*	
		For Color Anodized Finish, Add	*26.64*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	578.10	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.89*	
		For Clear Anodized Finish, Add	*22.41*	
		For Color Anodized Finish, Add	*31.37*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	628.03	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.43*	
		For Clear Anodized Finish, Add	*24.52*	
		For Color Anodized Finish, Add	*34.33*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	669.48	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.46*	
		For Clear Anodized Finish, Add	*26.21*	
		For Color Anodized Finish, Add	*36.70*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	776.49	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.42*	
		For Clear Anodized Finish, Add	*31.18*	
		For Color Anodized Finish, Add	*43.66*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	25.36	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.25*	
		For Clear Anodized Finish, Add	*1.04*	
		For Color Anodized Finish, Add	*1.45*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0089		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*		
08 51 13 00-0090		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*		
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,304.05	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.91*	
		For Clear Anodized Finish, Add	*59.09*	
		For Color Anodized Finish, Add	*82.72*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,500.73	84.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.56*	
		For Clear Anodized Finish, Add	*67.97*	
		For Color Anodized Finish, Add	*95.16*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,622.54	89.41
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.41*	
		For Clear Anodized Finish, Add	*73.68*	
		For Color Anodized Finish, Add	*103.15*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,962.98	100.87
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*107.69*	
		For Clear Anodized Finish, Add	*89.74*	
		For Color Anodized Finish, Add	*125.64*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	2,267.09	114.63
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.56*	
		For Clear Anodized Finish, Add	*103.80*	
		For Color Anodized Finish, Add	*145.32*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	39.17	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.08*	
		For Clear Anodized Finish, Add	*1.73*	
		For Color Anodized Finish, Add	*2.42*	
08 51 13 00-0097		Fixed Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0098		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*		
08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	348.48	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.57*	
		For Clear Anodized Finish, Add	*11.31*	
		For Color Anodized Finish, Add	*15.83*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	398.40	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.11*	
		For Clear Anodized Finish, Add	*13.42*	
		For Color Anodized Finish, Add	*18.79*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	420.85	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.00*	
		For Clear Anodized Finish, Add	*14.16*	
		For Color Anodized Finish, Add	*19.83*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	443.28	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.89*	
		For Clear Anodized Finish, Add	*14.90*	
		For Color Anodized Finish, Add	*20.87*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	588.33	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.13*	
		For Clear Anodized Finish, Add	*21.78*	
		For Color Anodized Finish, Add	*30.49*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	19.10	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.87*	
		For Clear Anodized Finish, Add	*0.73*	
		For Color Anodized Finish, Add	*1.02*	
08 51 13 00-0105		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*		
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	441.50	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.15*	
		For Clear Anodized Finish, Add	*15.96*	
		For Color Anodized Finish, Add	*22.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	506.22	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.58*	
		For Clear Anodized Finish, Add	*18.82*	
		For Color Anodized Finish, Add	*26.34*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	545.58	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.48*	
		For Clear Anodized Finish, Add	*20.40*	
		For Color Anodized Finish, Add	*28.56*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	587.03	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.51*	
		For Clear Anodized Finish, Add	*22.09*	
		For Color Anodized Finish, Add	*30.93*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	776.49	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.42*	
		For Clear Anodized Finish, Add	*31.18*	
		For Color Anodized Finish, Add	*43.66*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	25.36	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.25*	
		For Clear Anodized Finish, Add	*1.04*	
		For Color Anodized Finish, Add	*1.45*	

08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*

08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	378.07	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.35*	
		For Clear Anodized Finish, Add	*12.79*	
		For Color Anodized Finish, Add	*17.91*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	442.80	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.77*	
		For Clear Anodized Finish, Add	*15.64*	
		For Color Anodized Finish, Add	*21.90*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	477.93	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.42*	
		For Clear Anodized Finish, Add	*17.02*	
		For Color Anodized Finish, Add	*23.83*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	515.16	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.20*	
		For Clear Anodized Finish, Add	*18.50*	
		For Color Anodized Finish, Add	*25.90*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	694.04	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.47*	
		For Clear Anodized Finish, Add	*27.06*	
		For Color Anodized Finish, Add	*37.88*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	22.61	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.08*	
		For Clear Anodized Finish, Add	*0.90*	
		For Color Anodized Finish, Add	*1.26*	

08 51 13 00-0119 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*

08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	375.96	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.22*	
		For Clear Anodized Finish, Add	*12.68*	
		For Color Anodized Finish, Add	*17.76*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	434.34	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.27*	
		For Clear Anodized Finish, Add	*15.22*	
		For Color Anodized Finish, Add	*21.31*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	469.47	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.91*	
		For Clear Anodized Finish, Add	*16.60*	
		For Color Anodized Finish, Add	*23.23*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	506.70	87.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.69*	
		For Clear Anodized Finish, Add	*18.08*	
		For Color Anodized Finish, Add	*25.31*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	685.58	91.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.97*	
		For Clear Anodized Finish, Add	*26.64*	
		For Color Anodized Finish, Add	*37.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	22.34	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.07*	
		For Clear Anodized Finish, Add	*0.89*	
		For Color Anodized Finish, Add	*1.24*	

08 51 13 00-0126 Projected Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0127 Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*

08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	507.46	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.11*	
		For Clear Anodized Finish, Add	*19.26*	
		For Color Anodized Finish, Add	*26.96*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	550.40	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.23*	
		For Clear Anodized Finish, Add	*21.02*	
		For Color Anodized Finish, Add	*29.43*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	600.55	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.78*	
		For Clear Anodized Finish, Add	*23.15*	
		For Color Anodized Finish, Add	*32.41*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	35.45	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.85*	
		For Clear Anodized Finish, Add	*1.54*	
		For Color Anodized Finish, Add	*2.16*	

08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	694.36	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*34.33*	
		For Clear Anodized Finish, Add	*28.60*	
		For Color Anodized Finish, Add	*40.05*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	768.17	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.30*	
		For Clear Anodized Finish, Add	*31.91*	
		For Color Anodized Finish, Add	*44.68*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	854.24	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.00*	
		For Clear Anodized Finish, Add	*35.83*	
		For Color Anodized Finish, Add	*50.17*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	52.36	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.87*	
		For Clear Anodized Finish, Add	*2.39*	
		For Color Anodized Finish, Add	*3.34*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	764.47	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.53*	
		For Clear Anodized Finish, Add	*32.11*	
		For Color Anodized Finish, Add	*44.95*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	849.82	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.19*	
		For Clear Anodized Finish, Add	*36.00*	
		For Color Anodized Finish, Add	*50.39*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	949.37	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.71*	
		For Clear Anodized Finish, Add	*40.59*	
		For Color Anodized Finish, Add	*56.83*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	58.70	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.25*	
		For Clear Anodized Finish, Add	*2.71*	
		For Color Anodized Finish, Add	*3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0143		**3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)** *(08 51 13 00-0127)*		
08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	812.75	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.43*	
		For Clear Anodized Finish, Add	*34.52*	
		For Color Anodized Finish, Add	*48.33*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	906.08	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.57*	
		For Clear Anodized Finish, Add	*38.81*	
		For Color Anodized Finish, Add	*54.33*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	1,014.91	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*52.64*	
		For Clear Anodized Finish, Add	*43.87*	
		For Color Anodized Finish, Add	*61.41*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	63.08	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.51*	
		For Clear Anodized Finish, Add	*2.93*	
		For Color Anodized Finish, Add	*4.10*	
08 51 13 00-0148		**4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)** *(08 51 13 00-0127)*		
08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	806.52	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.06*	
		For Clear Anodized Finish, Add	*34.21*	
		For Color Anodized Finish, Add	*47.90*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	898.83	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.14*	
		For Clear Anodized Finish, Add	*38.45*	
		For Color Anodized Finish, Add	*53.82*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,006.45	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*52.13*	
		For Clear Anodized Finish, Add	*43.44*	
		For Color Anodized Finish, Add	*60.82*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	62.51	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.48*	
		For Clear Anodized Finish, Add	*2.90*	
		For Color Anodized Finish, Add	*4.06*	
08 51 13 00-0153		**Fixed Over Vent, Projected Aluminum Windows** *(08 51 13 00-0126)*		
08 51 13 00-0154		**2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)** *(08 51 13 00-0153)*		
08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	711.51	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.35*	
		For Clear Anodized Finish, Add	*29.46*	
		For Color Anodized Finish, Add	*41.25*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	788.13	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.49*	
		For Clear Anodized Finish, Add	*32.91*	
		For Color Anodized Finish, Add	*46.08*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	877.49	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.40*	
		For Clear Anodized Finish, Add	*37.00*	
		For Color Anodized Finish, Add	*51.80*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	53.84	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.96*	
		For Clear Anodized Finish, Add	*2.46*	
		For Color Anodized Finish, Add	*3.45*	
08 51 13 00-0159		**2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)** *(08 51 13 00-0153)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,007.46	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.11*	
		For Clear Anodized Finish, Add	*44.26*	
		For Color Anodized Finish, Add	*61.96*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,132.92	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.18*	
		For Clear Anodized Finish, Add	*50.15*	
		For Color Anodized Finish, Add	*70.21*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,279.17	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.50*	
		For Clear Anodized Finish, Add	*57.08*	
		For Color Anodized Finish, Add	*79.91*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	80.69	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.57*	
		For Clear Anodized Finish, Add	*3.81*	
		For Color Anodized Finish, Add	*5.33*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,069.76	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.85*	
		For Clear Anodized Finish, Add	*47.37*	
		For Color Anodized Finish, Add	*66.32*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,205.50	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.54*	
		For Clear Anodized Finish, Add	*53.78*	
		For Color Anodized Finish, Add	*75.29*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,363.73	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.57*	
		For Clear Anodized Finish, Add	*61.31*	
		For Color Anodized Finish, Add	*85.83*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	86.18	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.90*	
		For Clear Anodized Finish, Add	*4.08*	
		For Color Anodized Finish, Add	*5.71*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	1,063.55	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.48*	
		For Clear Anodized Finish, Add	*47.06*	
		For Color Anodized Finish, Add	*65.89*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	1,198.24	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.10*	
		For Clear Anodized Finish, Add	*53.42*	
		For Color Anodized Finish, Add	*74.78*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	1,355.28	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.06*	
		For Clear Anodized Finish, Add	*60.89*	
		For Color Anodized Finish, Add	*85.24*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	85.76	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.87*	
		For Clear Anodized Finish, Add	*4.06*	
		For Color Anodized Finish, Add	*5.68*	

08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*

08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	1,160.12	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*62.27*	
		For Clear Anodized Finish, Add	*51.89*	
		For Color Anodized Finish, Add	*72.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	1,310.76	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.85*	
		For Clear Anodized Finish, Add	*59.04*	
		For Color Anodized Finish, Add	*82.66*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	1,486.35	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.93*	
		For Clear Anodized Finish, Add	*67.44*	
		For Color Anodized Finish, Add	*94.42*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	94.43	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.39*	
		For Clear Anodized Finish, Add	*4.49*	
		For Color Anodized Finish, Add	*6.29*	

08 51 13 00-0179 Casement Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0180 Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0181 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*

08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	583.78	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.69*	
		For Clear Anodized Finish, Add	*23.08*	
		For Color Anodized Finish, Add	*32.31*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	639.32	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.56*	
		For Clear Anodized Finish, Add	*25.47*	
		For Color Anodized Finish, Add	*35.66*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	704.14	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.99*	
		For Clear Anodized Finish, Add	*28.33*	
		For Color Anodized Finish, Add	*39.66*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	42.36	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.27*	
		For Clear Anodized Finish, Add	*1.89*	
		For Color Anodized Finish, Add	*2.64*	

08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*

08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	867.28	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.70*	
		For Clear Anodized Finish, Add	*37.25*	
		For Color Anodized Finish, Add	*52.15*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	969.58	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.38*	
		For Clear Anodized Finish, Add	*41.98*	
		For Color Anodized Finish, Add	*58.78*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,088.90	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.08*	
		For Clear Anodized Finish, Add	*47.57*	
		For Color Anodized Finish, Add	*66.59*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	68.00	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.81*	
		For Clear Anodized Finish, Add	*3.17*	
		For Color Anodized Finish, Add	*4.44*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	871.95	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.98*	
		For Clear Anodized Finish, Add	*37.48*	
		For Color Anodized Finish, Add	*52.48*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	975.04	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.71*	
		For Clear Anodized Finish, Add	*42.26*	
		For Color Anodized Finish, Add	*59.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,095.24	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.46*	
		For Clear Anodized Finish, Add	*47.88*	
		For Color Anodized Finish, Add	*67.04*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	68.43	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.83*	
		For Clear Anodized Finish, Add	*3.19*	
		For Color Anodized Finish, Add	*4.47*	

08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*

08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	920.23	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.88*	
		For Clear Anodized Finish, Add	*39.90*	
		For Color Anodized Finish, Add	*55.86*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	1,031.29	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.08*	
		For Clear Anodized Finish, Add	*45.07*	
		For Color Anodized Finish, Add	*63.10*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	1,160.78	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.39*	
		For Clear Anodized Finish, Add	*51.16*	
		For Color Anodized Finish, Add	*71.63*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	72.80	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.09*	
		For Clear Anodized Finish, Add	*3.41*	
		For Color Anodized Finish, Add	*4.78*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	669.45	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.83*	
		For Clear Anodized Finish, Add	*27.36*	
		For Color Anodized Finish, Add	*38.30*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	739.13	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.55*	
		For Clear Anodized Finish, Add	*30.46*	
		For Color Anodized Finish, Add	*42.65*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	820.41	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.97*	
		For Clear Anodized Finish, Add	*34.14*	
		For Color Anodized Finish, Add	*47.80*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	50.10	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.73*	
		For Clear Anodized Finish, Add	*2.28*	
		For Color Anodized Finish, Add	*3.19*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	952.94	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.84*	
		For Clear Anodized Finish, Add	*41.53*	
		For Color Anodized Finish, Add	*58.15*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,069.39	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.37*	
		For Clear Anodized Finish, Add	*46.97*	
		For Color Anodized Finish, Add	*65.76*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,205.18	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Clear Anodized Finish, Add	*53.38*	
		For Color Anodized Finish, Add	*74.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	75.76	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.27*	
		For Clear Anodized Finish, Add	*3.56*	
		For Color Anodized Finish, Add	*4.98*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,057.31	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.10*	
		For Clear Anodized Finish, Add	*46.75*	
		For Color Anodized Finish, Add	*65.45*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,190.99	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*63.66*	
		For Clear Anodized Finish, Add	*53.05*	
		For Color Anodized Finish, Add	*74.28*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,346.82	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.56*	
		For Clear Anodized Finish, Add	*60.46*	
		For Color Anodized Finish, Add	*84.65*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	85.19	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.84*	
		For Clear Anodized Finish, Add	*4.03*	
		For Color Anodized Finish, Add	*5.64*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,152.32	73.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.80*	
		For Clear Anodized Finish, Add	*51.50*	
		For Color Anodized Finish, Add	*72.10*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,301.69	77.94
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.31*	
		For Clear Anodized Finish, Add	*58.59*	
		For Color Anodized Finish, Add	*82.02*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,475.78	82.53
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.29*	
		For Clear Anodized Finish, Add	*66.91*	
		For Color Anodized Finish, Add	*93.68*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	93.79	2.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.35*	
		For Clear Anodized Finish, Add	*4.46*	
		For Color Anodized Finish, Add	*6.24*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	19.81	3.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.81*	
		For Clear Anodized Finish, Add	*0.67*	
		For Color Anodized Finish, Add	*0.94*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	205.94	27.85
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.57*	
		For Clear Anodized Finish, Add	*7.98*	
		For Color Anodized Finish, Add	*11.17*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	283.00	46.42
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.34*	
		For Clear Anodized Finish, Add	*10.28*	
		For Color Anodized Finish, Add	*14.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	340.91	69.62
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.49*	
		For Clear Anodized Finish, Add	*11.24*	
		For Color Anodized Finish, Add	*15.74*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	402.66	92.84
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.88*	
		For Clear Anodized Finish, Add	*12.40*	
		For Color Anodized Finish, Add	*17.36*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	524.22	139.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.53*	
		For Clear Anodized Finish, Add	*14.61*	
		For Color Anodized Finish, Add	*20.45*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	18.81	5.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.55*	
		For Clear Anodized Finish, Add	*0.46*	
		For Color Anodized Finish, Add	*0.64*	

08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*

08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	5.44	3.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.05*	
		For Clear Anodized Finish, Add	*0.04*	
		For Color Anodized Finish, Add	*0.06*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	7.94	3.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.20*	
		For Clear Anodized Finish, Add	*0.17*	
		For Color Anodized Finish, Add	*0.24*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	16.26	3.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.29*	
		For Clear Anodized Finish, Add	*0.24*	
		For Color Anodized Finish, Add	*0.34*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	19.72	3.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.40*	
		For Clear Anodized Finish, Add	*0.34*	
		For Color Anodized Finish, Add	*0.47*	

08 51 13 00-0237 Other Aluminum Window Accessories *(08 51 13 00-0222)*

08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	167.11	15.28
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	82.55	15.28

08 51 19 Stainless-Steel Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001 Stainless Steel Windows Types *(08 51 19)*

08 51 19 00-0002 Industrial *(08 51 19 00-0001)*

08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	80.97	4.58
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	60.28	4.58

08 51 19 00-0005 Projected Sash *(08 51 19 00-0001)*

08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	84.83	4.58
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	93.98	4.58

08 51 19 00-0008 Casements *(08 51 19 00-0001)*

08 51 19 00-0009	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	92.08	4.58
08 51 19 00-0010	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	79.22	4.58
08 51 19 00-0011	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	54.95	4.58

08 51 19 00-0012 Other Type Sash *(08 51 19 00-0001)*

08 51 19 00-0013	SF	Double Hung Stainless Steel Window Sash	103.11	4.58
08 51 19 00-0014	SF	Single Hung Stainless Steel Window Sash	72.02	4.58
08 51 19 00-0015	SF	Stainless Steel Picture Window Sash	59.66	4.58
08 51 19 00-0016	SF	Sliding Stainless Steel Window	106.46	4.58

08 51 23 Steel Windows *(08 51)*

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for for glazing.

08 51 23 00-0001 Steel Windows *(08 51 23)*

08 51 23 00-0002 Industrial *(08 51 23 00-0001)*

08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	40.90	4.58
08 51 23 00-0004	SF	Industrial Steel Window, Fixed Sash	36.64	4.58
08 51 23 00-0005	SF	Industrial Steel Window, Operable Security Sash	58.39	4.58
08 51 23 00-0006	SF	Industrial Steel Window, Fixed Security Sash	49.86	4.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0007		**Projected Sash** *(08 51 23 00-0001)*		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	47.26	4.58
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	51.94	4.58
08 51 23 00-0010		**Other Type Sash** *(08 51 23 00-0001)*		
08 51 23 00-0011	SF	Double Hung Steel Window Sash	60.23	4.58
08 51 23 00-0012	SF	Steel Picture Window Sash	26.84	4.58
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	62.07	5.73
08 51 23 00-0014	SF	Single Hung Steel Window Sash	43.11	4.58
08 51 23 00-0015		**Casements** *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	54.17	2.30
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	47.08	2.30
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	33.70	3.43
08 51 23 00-0019		**Mullions** *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	20.40	3.43
08 51 23 00-0021	LF	Covered Steel Mullions	33.81	3.43
08 51 23 00-0022		**Removal And Reinstallation Of Metal Window And Frame** *(08 51 23)*		
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	11.87	

08 51 66 Metal Window Screens *(08 51)*

08 51 66 00-0001		**Aluminum Window Insect Screens** *(08 51 66)*		
		Note: Includes aluminum frames.		
08 51 66 00-0002	SF	Up To 10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	7.04	1.15
08 51 66 00-0003	SF	>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	4.80	0.92
08 51 66 00-0004	SF	Repair Aluminum Mesh Screen Window	4.55	

08 51 69 Metal Storm Windows *(08 51)*

08 51 69 00-0001		**Storm Windows** *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	29.28	2.30

08 52 Wood Windows *(08 50)*

08 52 11 Wood Windows *(08 52)*

08 52 11 00-0001		**Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11)*		
		Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002		**30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	224.46	
		For Low-E Insulated Glass, Add	*18.54*	
		For Aluminum Clad Exterior, Add	*19.87*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	238.26	
		For Low-E Insulated Glass, Add	*19.88*	
		For Aluminum Clad Exterior, Add	*21.30*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	253.03	
		For Low-E Insulated Glass, Add	*21.34*	
		For Aluminum Clad Exterior, Add	*22.87*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	260.88	
		For Low-E Insulated Glass, Add	*22.14*	
		For Aluminum Clad Exterior, Add	*23.73*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	267.79	
		For Low-E Insulated Glass, Add	*22.81*	
		For Aluminum Clad Exterior, Add	*24.44*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	276.60	
		For Low-E Insulated Glass, Add	*23.75*	
		For Aluminum Clad Exterior, Add	*25.44*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	280.67	
		For Low-E Insulated Glass, Add	*24.02*	
		For Aluminum Clad Exterior, Add	*25.73*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	298.26	
		For Low-E Insulated Glass, Add	*25.88*	
		For Aluminum Clad Exterior, Add	*27.73*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	313.01	
		For Low-E Insulated Glass, Add	*27.35*	
		For Aluminum Clad Exterior, Add	*29.30*	
08 52 11 00-0012		**34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	238.26	
		For Low-E Insulated Glass, Add	*19.88*	
		For Aluminum Clad Exterior, Add	*21.30*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	253.03	
		For Low-E Insulated Glass, Add	*21.34*	
		For Aluminum Clad Exterior, Add	*22.87*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	265.65	
		For Low-E Insulated Glass, Add	*22.81*	
		For Aluminum Clad Exterior, Add	*24.44*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	276.60	
		For Low-E Insulated Glass, Add	*23.75*	
		For Aluminum Clad Exterior, Add	*25.44*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	283.50	
		For Low-E Insulated Glass, Add	*24.41*	
		For Aluminum Clad Exterior, Add	*26.16*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	291.36	
		For Low-E Insulated Glass, Add	*25.21*	
		For Aluminum Clad Exterior, Add	*27.01*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	298.26	
		For Low-E Insulated Glass, Add	*25.88*	
		For Aluminum Clad Exterior, Add	*27.73*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	313.01	
		For Low-E Insulated Glass, Add	*27.35*	
		For Aluminum Clad Exterior, Add	*29.30*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	327.78	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	245.05	
		For Low-E Insulated Glass, Add	*20.68*	
		For Aluminum Clad Exterior, Add	*22.15*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	259.81	
		For Low-E Insulated Glass, Add	*22.14*	
		For Aluminum Clad Exterior, Add	*23.73*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	275.53	
		For Low-E Insulated Glass, Add	*23.75*	
		For Aluminum Clad Exterior, Add	*25.44*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	282.42	
		For Low-E Insulated Glass, Add	*24.41*	
		For Aluminum Clad Exterior, Add	*26.16*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	290.29	
		For Low-E Insulated Glass, Add	*25.21*	
		For Aluminum Clad Exterior, Add	*27.01*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	297.18	
		For Low-E Insulated Glass, Add	*25.88*	
		For Aluminum Clad Exterior, Add	*27.73*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	305.05	
		For Low-E Insulated Glass, Add	*26.68*	
		For Aluminum Clad Exterior, Add	*28.59*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	318.86	
		For Low-E Insulated Glass, Add	*28.01*	
		For Aluminum Clad Exterior, Add	*30.02*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	333.62	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.59*	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	254.10	
		For Low-E Insulated Glass, Add	*21.34*	
		For Aluminum Clad Exterior, Add	*22.87*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	268.86	
		For Low-E Insulated Glass, Add	*22.81*	
		For Aluminum Clad Exterior, Add	*24.44*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	284.57	
		For Low-E Insulated Glass, Add	*24.41*	
		For Aluminum Clad Exterior, Add	*26.16*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	292.42	
		For Low-E Insulated Glass, Add	*25.21*	
		For Aluminum Clad Exterior, Add	*27.01*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	299.33	
		For Low-E Insulated Glass, Add	*25.88*	
		For Aluminum Clad Exterior, Add	*27.73*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	307.18	
		For Low-E Insulated Glass, Add	*26.68*	
		For Aluminum Clad Exterior, Add	*28.59*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	314.09	
		For Low-E Insulated Glass, Add	*27.35*	
		For Aluminum Clad Exterior, Add	*29.30*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	328.86	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	343.62	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0042		**46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	283.50	
		For Low-E Insulated Glass, Add	*24.41*	
		For Aluminum Clad Exterior, Add	*26.16*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	298.26	
		For Low-E Insulated Glass, Add	*25.88*	
		For Aluminum Clad Exterior, Add	*27.73*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	313.01	
		For Low-E Insulated Glass, Add	*27.35*	
		For Aluminum Clad Exterior, Add	*29.30*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	319.92	
		For Low-E Insulated Glass, Add	*28.01*	
		For Aluminum Clad Exterior, Add	*30.02*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	327.78	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	334.68	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.59*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	342.54	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	357.30	
		For Low-E Insulated Glass, Add	*31.75*	
		For Aluminum Clad Exterior, Add	*34.02*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	373.01	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0052		**48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	290.29	
		For Low-E Insulated Glass, Add	*25.21*	
		For Aluminum Clad Exterior, Add	*27.01*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	305.05	
		For Low-E Insulated Glass, Add	*26.68*	
		For Aluminum Clad Exterior, Add	*28.59*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	318.86	
		For Low-E Insulated Glass, Add	*28.01*	
		For Aluminum Clad Exterior, Add	*30.02*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	326.71	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	333.62	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.59*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	341.47	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	348.38	
		For Low-E Insulated Glass, Add	*30.95*	
		For Aluminum Clad Exterior, Add	*33.16*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	364.10	
		For Low-E Insulated Glass, Add	*32.55*	
		For Aluminum Clad Exterior, Add	*34.88*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	378.86	
		For Low-E Insulated Glass, Add	*34.02*	
		For Aluminum Clad Exterior, Add	*36.45*	
08 52 11 00-0062		**50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	299.33	
		For Low-E Insulated Glass, Add	*25.88*	
		For Aluminum Clad Exterior, Add	*27.73*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	314.09	
		For Low-E Insulated Glass, Add	*27.35*	
		For Aluminum Clad Exterior, Add	*29.30*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	328.86	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	335.75	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.59*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	343.62	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	350.51	
		For Low-E Insulated Glass, Add	*30.95*	
		For Aluminum Clad Exterior, Add	*33.16*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	358.38	
		For Low-E Insulated Glass, Add	*31.75*	
		For Aluminum Clad Exterior, Add	*34.02*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	374.09	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	388.85	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0072		54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	314.09	
		For Low-E Insulated Glass, Add	*27.35*	
		For Aluminum Clad Exterior, Add	*29.30*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	328.86	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	343.62	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	350.51	
		For Low-E Insulated Glass, Add	*30.95*	
		For Aluminum Clad Exterior, Add	*33.16*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	358.38	
		For Low-E Insulated Glass, Add	*31.75*	
		For Aluminum Clad Exterior, Add	*34.02*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	366.23	
		For Low-E Insulated Glass, Add	*32.55*	
		For Aluminum Clad Exterior, Add	*34.88*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	374.09	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	388.85	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	403.62	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0082		58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	327.78	
		For Low-E Insulated Glass, Add	*28.81*	
		For Aluminum Clad Exterior, Add	*30.87*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	342.54	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	357.30	
		For Low-E Insulated Glass, Add	*31.75*	
		For Aluminum Clad Exterior, Add	*34.02*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	365.16	
		For Low-E Insulated Glass, Add	*32.55*	
		For Aluminum Clad Exterior, Add	*34.88*	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	373.01	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	379.92	
		For Low-E Insulated Glass, Add	*34.02*	
		For Aluminum Clad Exterior, Add	*36.45*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	387.77	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	402.54	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	416.34	
		For Low-E Insulated Glass, Add	*37.62*	
		For Aluminum Clad Exterior, Add	*40.31*	
08 52 11 00-0092		60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	333.62	
		For Low-E Insulated Glass, Add	*29.48*	
		For Aluminum Clad Exterior, Add	*31.59*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	348.38	
		For Low-E Insulated Glass, Add	*30.95*	
		For Aluminum Clad Exterior, Add	*33.16*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	364.10	
		For Low-E Insulated Glass, Add	*32.55*	
		For Aluminum Clad Exterior, Add	*34.88*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	371.94	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	378.86	
		For Low-E Insulated Glass, Add	*34.02*	
		For Aluminum Clad Exterior, Add	*36.45*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	386.70	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	393.62	
		For Low-E Insulated Glass, Add	*35.48*	
		For Aluminum Clad Exterior, Add	*38.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	408.38	
		For Low-E Insulated Glass, Add	*36.95*	
		For Aluminum Clad Exterior, Add	*39.59*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	423.13	
		For Low-E Insulated Glass, Add	*38.42*	
		For Aluminum Clad Exterior, Add	*41.16*	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	343.62	
		For Low-E Insulated Glass, Add	*30.28*	
		For Aluminum Clad Exterior, Add	*32.45*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	358.38	
		For Low-E Insulated Glass, Add	*31.75*	
		For Aluminum Clad Exterior, Add	*34.02*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	374.09	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	380.99	
		For Low-E Insulated Glass, Add	*34.02*	
		For Aluminum Clad Exterior, Add	*36.45*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	388.85	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	395.75	
		For Low-E Insulated Glass, Add	*35.48*	
		For Aluminum Clad Exterior, Add	*38.02*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	403.62	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	417.41	
		For Low-E Insulated Glass, Add	*37.62*	
		For Aluminum Clad Exterior, Add	*40.31*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	432.18	
		For Low-E Insulated Glass, Add	*39.09*	
		For Aluminum Clad Exterior, Add	*41.88*	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	358.38	
		For Low-E Insulated Glass, Add	*31.75*	
		For Aluminum Clad Exterior, Add	*34.02*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	374.09	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	388.85	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	395.75	
		For Low-E Insulated Glass, Add	*35.48*	
		For Aluminum Clad Exterior, Add	*38.02*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	403.62	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	410.51	
		For Low-E Insulated Glass, Add	*36.95*	
		For Aluminum Clad Exterior, Add	*39.59*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	417.41	
		For Low-E Insulated Glass, Add	*37.62*	
		For Aluminum Clad Exterior, Add	*40.31*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	432.18	
		For Low-E Insulated Glass, Add	*39.09*	
		For Aluminum Clad Exterior, Add	*41.88*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	446.94	
		For Low-E Insulated Glass, Add	*40.55*	
		For Aluminum Clad Exterior, Add	*43.45*	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	373.01	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.73*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	387.77	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	402.54	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	409.44	
		For Low-E Insulated Glass, Add	*36.95*	
		For Aluminum Clad Exterior, Add	*39.59*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	416.34	
		For Low-E Insulated Glass, Add	*37.62*	
		For Aluminum Clad Exterior, Add	*40.31*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	427.03	
		For Low-E Insulated Glass, Add	*38.82*	
		For Aluminum Clad Exterior, Add	*41.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	432.10	
		For Low-E Insulated Glass, Add	*39.23*	
		For Aluminum Clad Exterior, Add	*42.03*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	445.87	
		For Low-E Insulated Glass, Add	*40.55*	
		For Aluminum Clad Exterior, Add	*43.45*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	461.58	
		For Low-E Insulated Glass, Add	*42.15*	
		For Aluminum Clad Exterior, Add	*45.17*	
08 52 11 00-0132		74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	388.85	
		For Low-E Insulated Glass, Add	*34.82*	
		For Aluminum Clad Exterior, Add	*37.30*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	403.62	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	417.41	
		For Low-E Insulated Glass, Add	*37.62*	
		For Aluminum Clad Exterior, Add	*40.31*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	425.27	
		For Low-E Insulated Glass, Add	*38.42*	
		For Aluminum Clad Exterior, Add	*41.16*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	432.18	
		For Low-E Insulated Glass, Add	*39.09*	
		For Aluminum Clad Exterior, Add	*41.88*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	440.03	
		For Low-E Insulated Glass, Add	*39.89*	
		For Aluminum Clad Exterior, Add	*42.74*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	446.94	
		For Low-E Insulated Glass, Add	*40.55*	
		For Aluminum Clad Exterior, Add	*43.45*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	462.65	
		For Low-E Insulated Glass, Add	*42.15*	
		For Aluminum Clad Exterior, Add	*45.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	477.41	
		For Low-E Insulated Glass, Add	*43.62*	
		For Aluminum Clad Exterior, Add	*46.74*	
08 52 11 00-0142		78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	407.89	
		For Low-E Insulated Glass, Add	*36.29*	
		For Aluminum Clad Exterior, Add	*38.88*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	421.69	
		For Low-E Insulated Glass, Add	*37.62*	
		For Aluminum Clad Exterior, Add	*40.31*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	436.46	
		For Low-E Insulated Glass, Add	*39.09*	
		For Aluminum Clad Exterior, Add	*41.88*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	444.31	
		For Low-E Insulated Glass, Add	*39.89*	
		For Aluminum Clad Exterior, Add	*42.74*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	451.22	
		For Low-E Insulated Glass, Add	*40.55*	
		For Aluminum Clad Exterior, Add	*43.45*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	459.07	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	466.93	
		For Low-E Insulated Glass, Add	*42.15*	
		For Aluminum Clad Exterior, Add	*45.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	481.68	
		For Low-E Insulated Glass, Add	*43.62*	
		For Aluminum Clad Exterior, Add	*46.74*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	496.44	
		For Low-E Insulated Glass, Add	*45.09*	
		For Aluminum Clad Exterior, Add	*48.31*	
08 52 11 00-0152		Removal And Reinstallation Of Wood Window And Frame *(08 52 11)* Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0153	SF	Removal And Reinstallation Of Wood Windows And Frames	23.70	

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001		Double Hung Wood Clad Windows *(08 52 16)* Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
08 52 16 00-0002		Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0001)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003		35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	304.30	35.15
		For Low-E Insulated Glass, Add	*28.08*	
		For Tempered Clear Insulated Glass, Add	*46.80*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	322.53	36.69
		For Low-E Insulated Glass, Add	*29.90*	
		For Tempered Clear Insulated Glass, Add	*49.83*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	339.50	38.21
		For Low-E Insulated Glass, Add	*31.57*	
		For Tempered Clear Insulated Glass, Add	*52.62*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	356.46	39.74
		For Low-E Insulated Glass, Add	*33.24*	
		For Tempered Clear Insulated Glass, Add	*55.40*	

08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	330.38	37.44
		For Low-E Insulated Glass, Add	*30.66*	
		For Tempered Clear Insulated Glass, Add	*51.10*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	348.61	38.97
		For Low-E Insulated Glass, Add	*32.48*	
		For Tempered Clear Insulated Glass, Add	*54.13*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	365.58	40.50
		For Low-E Insulated Glass, Add	*34.15*	
		For Tempered Clear Insulated Glass, Add	*56.92*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	382.56	42.03
		For Low-E Insulated Glass, Add	*35.82*	
		For Tempered Clear Insulated Glass, Add	*59.70*	

08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	356.46	39.74
		For Low-E Insulated Glass, Add	*33.24*	
		For Tempered Clear Insulated Glass, Add	*55.40*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	373.43	41.27
		For Low-E Insulated Glass, Add	*34.91*	
		For Tempered Clear Insulated Glass, Add	*58.18*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	391.67	42.80
		For Low-E Insulated Glass, Add	*36.73*	
		For Tempered Clear Insulated Glass, Add	*61.22*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	408.64	44.32
		For Low-E Insulated Glass, Add	*38.40*	
		For Tempered Clear Insulated Glass, Add	*64.00*	

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	382.56	42.03
		For Low-E Insulated Glass, Add	*35.82*	
		For Tempered Clear Insulated Glass, Add	*59.70*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	399.53	43.56
		For Low-E Insulated Glass, Add	*37.49*	
		For Tempered Clear Insulated Glass, Add	*62.48*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	416.50	45.08
		For Low-E Insulated Glass, Add	*39.16*	
		For Tempered Clear Insulated Glass, Add	*65.26*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	434.73	46.61
		For Low-E Insulated Glass, Add	*40.98*	
		For Tempered Clear Insulated Glass, Add	*68.30*	

08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	378.00	42.03
		For Low-E Insulated Glass, Add	*35.36*	
		For Tempered Clear Insulated Glass, Add	*58.94*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	394.96	43.18
		For Low-E Insulated Glass, Add	*37.03*	
		For Tempered Clear Insulated Glass, Add	*61.72*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	413.20	45.08
		For Low-E Insulated Glass, Add	*38.85*	
		For Tempered Clear Insulated Glass, Add	*64.76*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	430.16	46.61
		For Low-E Insulated Glass, Add	*40.52*	
		For Tempered Clear Insulated Glass, Add	*67.54*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	447.14	48.15
		For Low-E Insulated Glass, Add	*42.19*	
		For Tempered Clear Insulated Glass, Add	*70.32*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	464.11	49.68
		For Low-E Insulated Glass, Add	*43.86*	
		For Tempered Clear Insulated Glass, Add	*73.11*	

08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0031	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	391.67	42.80
		For Low-E Insulated Glass, Add	*36.73*	
		For Tempered Clear Insulated Glass, Add	*61.22*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	408.64	44.32
		For Low-E Insulated Glass, Add	*38.40*	
		For Tempered Clear Insulated Glass, Add	*64.00*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	425.61	45.85
		For Low-E Insulated Glass, Add	*40.07*	
		For Tempered Clear Insulated Glass, Add	*66.78*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	442.58	47.38
		For Low-E Insulated Glass, Add	*41.74*	
		For Tempered Clear Insulated Glass, Add	*69.56*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	459.54	48.91
		For Low-E Insulated Glass, Add	*43.41*	
		For Tempered Clear Insulated Glass, Add	*72.35*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	477.78	50.43
		For Low-E Insulated Glass, Add	*45.23*	
		For Tempered Clear Insulated Glass, Add	*75.38*	

08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	434.73	46.61
		For Low-E Insulated Glass, Add	*40.98*	
		For Tempered Clear Insulated Glass, Add	*68.30*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	451.70	48.15
		For Low-E Insulated Glass, Add	*42.65*	
		For Tempered Clear Insulated Glass, Add	*71.08*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	468.66	49.68
		For Low-E Insulated Glass, Add	*44.32*	
		For Tempered Clear Insulated Glass, Add	*73.86*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	485.63	51.20
		For Low-E Insulated Glass, Add	*45.99*	
		For Tempered Clear Insulated Glass, Add	*76.65*	

08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	459.54	48.91
		For Low-E Insulated Glass, Add	*43.41*	
		For Tempered Clear Insulated Glass, Add	*72.35*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	477.78	50.43
		For Low-E Insulated Glass, Add	*45.23*	
		For Tempered Clear Insulated Glass, Add	*75.38*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	494.75	51.96
		For Low-E Insulated Glass, Add	*46.90*	
		For Tempered Clear Insulated Glass, Add	*78.16*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	511.73	53.49
		For Low-E Insulated Glass, Add	*48.57*	
		For Tempered Clear Insulated Glass, Add	*80.95*	

08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	379.42	35.15
		For Tempered Low-E Insulated Glass, Add	*61.98*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	402.71	36.30
		For Tempered Low-E Insulated Glass, Add	*66.02*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	427.27	37.82
		For Tempered Low-E Insulated Glass, Add	*70.32*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	440.19	38.97
		For Tempered Low-E Insulated Glass, Add	*72.60*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	451.83	39.74
		For Tempered Low-E Insulated Glass, Add	*74.62*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	463.47	40.50
		For Tempered Low-E Insulated Glass, Add	*76.65*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.39	40.88
		For Tempered Low-E Insulated Glass, Add	*78.92*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	499.67	42.42
		For Tempered Low-E Insulated Glass, Add	*82.97*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	43.94
		For Tempered Low-E Insulated Glass, Add	*87.27*	

08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	402.71	36.69
		For Tempered Low-E Insulated Glass, Add	*66.02*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	427.27	37.82
		For Tempered Low-E Insulated Glass, Add	*70.32*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	451.83	39.35
		For Tempered Low-E Insulated Glass, Add	*74.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	463.47	40.50
		For Tempered Low-E Insulated Glass, Add	*76.65*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.39	41.27
		For Tempered Low-E Insulated Glass, Add	*78.92*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	488.04	42.03
		For Tempered Low-E Insulated Glass, Add	*80.95*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	499.67	42.42
		For Tempered Low-E Insulated Glass, Add	*82.97*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	43.94
		For Tempered Low-E Insulated Glass, Add	*87.27*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.47
		For Tempered Low-E Insulated Glass, Add	*91.57*	

08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	427.27	38.21
		For Tempered Low-E Insulated Glass, Add	*70.32*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	451.83	39.35
		For Tempered Low-E Insulated Glass, Add	*74.62*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.39	40.88
		For Tempered Low-E Insulated Glass, Add	*78.92*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	488.04	42.03
		For Tempered Low-E Insulated Glass, Add	*80.95*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	499.67	42.80
		For Tempered Low-E Insulated Glass, Add	*82.97*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	512.59	43.56
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	43.94
		For Tempered Low-E Insulated Glass, Add	*87.27*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.47
		For Tempered Low-E Insulated Glass, Add	*91.57*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.00
		For Tempered Low-E Insulated Glass, Add	*95.87*	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	451.83	39.74
		For Tempered Low-E Insulated Glass, Add	*74.62*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.39	40.88
		For Tempered Low-E Insulated Glass, Add	*78.92*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	499.67	42.42
		For Tempered Low-E Insulated Glass, Add	*82.97*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	512.59	43.56
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	44.32
		For Tempered Low-E Insulated Glass, Add	*87.27*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.88	45.08
		For Tempered Low-E Insulated Glass, Add	*89.29*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.47
		For Tempered Low-E Insulated Glass, Add	*91.57*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.00
		For Tempered Low-E Insulated Glass, Add	*95.87*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.53
		For Tempered Low-E Insulated Glass, Add	*99.92*	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.39	41.27
		For Tempered Low-E Insulated Glass, Add	*78.92*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	499.67	42.42
		For Tempered Low-E Insulated Glass, Add	*82.97*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	43.94
		For Tempered Low-E Insulated Glass, Add	*87.27*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	535.88	45.08
		For Tempered Low-E Insulated Glass, Add	*89.29*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.85
		For Tempered Low-E Insulated Glass, Add	*91.57*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	560.44	46.61
		For Tempered Low-E Insulated Glass, Add	*93.60*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.00
		For Tempered Low-E Insulated Glass, Add	*95.87*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.53
		For Tempered Low-E Insulated Glass, Add	*99.92*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.06
		For Tempered Low-E Insulated Glass, Add	*104.22*	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	499.67	42.80
		For Tempered Low-E Insulated Glass, Add	*82.97*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	43.94
		For Tempered Low-E Insulated Glass, Add	*87.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.47
		For Tempered Low-E Insulated Glass, Add	*91.57*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	560.44	46.61
		For Tempered Low-E Insulated Glass, Add	*93.60*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.38
		For Tempered Low-E Insulated Glass, Add	*95.87*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	585.01	48.15
		For Tempered Low-E Insulated Glass, Add	*97.90*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.53
		For Tempered Low-E Insulated Glass, Add	*99.92*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.06
		For Tempered Low-E Insulated Glass, Add	*104.22*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.77	51.58
		For Tempered Low-E Insulated Glass, Add	*108.52*	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	524.24	44.32
		For Tempered Low-E Insulated Glass, Add	*87.27*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.47
		For Tempered Low-E Insulated Glass, Add	*91.57*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.00
		For Tempered Low-E Insulated Glass, Add	*95.87*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	585.01	48.15
		For Tempered Low-E Insulated Glass, Add	*97.90*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.91
		For Tempered Low-E Insulated Glass, Add	*99.92*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	609.56	49.68
		For Tempered Low-E Insulated Glass, Add	*102.20*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.06
		For Tempered Low-E Insulated Glass, Add	*104.22*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.77	51.58
		For Tempered Low-E Insulated Glass, Add	*108.52*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	669.06	53.11
		For Tempered Low-E Insulated Glass, Add	*112.57*	

08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	548.79	45.85
		For Tempered Low-E Insulated Glass, Add	*91.57*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.00
		For Tempered Low-E Insulated Glass, Add	*95.87*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.53
		For Tempered Low-E Insulated Glass, Add	*99.92*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	609.56	49.68
		For Tempered Low-E Insulated Glass, Add	*102.20*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.43
		For Tempered Low-E Insulated Glass, Add	*104.22*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	632.86	51.20
		For Tempered Low-E Insulated Glass, Add	*106.24*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.77	51.58
		For Tempered Low-E Insulated Glass, Add	*108.52*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	669.06	53.11
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	693.62	54.64
		For Tempered Low-E Insulated Glass, Add	*116.87*	

08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	573.35	47.38
		For Tempered Low-E Insulated Glass, Add	*95.87*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.53
		For Tempered Low-E Insulated Glass, Add	*99.92*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.06
		For Tempered Low-E Insulated Glass, Add	*104.22*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	632.86	51.20
		For Tempered Low-E Insulated Glass, Add	*106.24*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.77	51.96
		For Tempered Low-E Insulated Glass, Add	*108.52*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	657.41	52.73
		For Tempered Low-E Insulated Glass, Add	*110.54*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	669.06	53.11
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	693.62	54.64
		For Tempered Low-E Insulated Glass, Add	*116.87*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	718.17	56.17
		For Tempered Low-E Insulated Glass, Add	*121.17*	

08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.66	48.91
		For Tempered Low-E Insulated Glass, Add	*99.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.06
		For Tempered Low-E Insulated Glass, Add	*104.22*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.77	51.58
		For Tempered Low-E Insulated Glass, Add	*108.52*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	657.41	52.73
		For Tempered Low-E Insulated Glass, Add	*110.54*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	669.06	53.49
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	681.97	54.26
		For Tempered Low-E Insulated Glass, Add	*114.84*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	693.62	54.64
		For Tempered Low-E Insulated Glass, Add	*116.87*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	718.17	56.17
		For Tempered Low-E Insulated Glass, Add	*121.17*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.73	57.69
		For Tempered Low-E Insulated Glass, Add	*125.47*	

08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	621.21	50.43
		For Tempered Low-E Insulated Glass, Add	*104.22*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.77	51.58
		For Tempered Low-E Insulated Glass, Add	*108.52*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	669.06	53.11
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	681.97	54.26
		For Tempered Low-E Insulated Glass, Add	*114.84*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	693.62	55.02
		For Tempered Low-E Insulated Glass, Add	*116.87*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	706.53	55.79
		For Tempered Low-E Insulated Glass, Add	*119.14*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	718.17	56.17
		For Tempered Low-E Insulated Glass, Add	*121.17*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.73	57.69
		For Tempered Low-E Insulated Glass, Add	*125.47*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	766.03	59.22
		For Tempered Low-E Insulated Glass, Add	*129.52*	

08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	970.08	53.49
		For Tempered Low-E Insulated Glass, Add	*172.77*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,004.76	54.64
		For Tempered Low-E Insulated Glass, Add	*179.10*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,039.43	56.17
		For Tempered Low-E Insulated Glass, Add	*185.42*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,056.14	57.31
		For Tempered Low-E Insulated Glass, Add	*188.46*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,074.11	58.07
		For Tempered Low-E Insulated Glass, Add	*191.74*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,090.82	58.84
		For Tempered Low-E Insulated Glass, Add	*194.78*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,107.52	59.22
		For Tempered Low-E Insulated Glass, Add	*197.81*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,142.20	60.75
		For Tempered Low-E Insulated Glass, Add	*204.14*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,176.87	62.28
		For Tempered Low-E Insulated Glass, Add	*210.46*	

08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,004.76	55.02
		For Tempered Low-E Insulated Glass, Add	*179.10*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,039.43	56.17
		For Tempered Low-E Insulated Glass, Add	*185.42*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,074.11	57.69
		For Tempered Low-E Insulated Glass, Add	*191.74*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,090.82	58.84
		For Tempered Low-E Insulated Glass, Add	*194.78*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,107.52	59.61
		For Tempered Low-E Insulated Glass, Add	*197.81*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,125.50	60.37
		For Tempered Low-E Insulated Glass, Add	*201.10*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,142.20	60.75
		For Tempered Low-E Insulated Glass, Add	*204.14*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,176.87	62.28
		For Tempered Low-E Insulated Glass, Add	*210.46*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,211.55	63.81
		For Tempered Low-E Insulated Glass, Add	*216.79*	

08 52 16 00-0178 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
08 52 16 00-0179		Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0178)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180		One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0181		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	295.24	29.04
		For Tempered Clear Insulated Glass, Add	*47.59*	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	312.30	29.81
		For Tempered Clear Insulated Glass, Add	*50.54*	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	331.35	31.33
		For Tempered Clear Insulated Glass, Add	*53.74*	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	348.89	32.86
		For Tempered Clear Insulated Glass, Add	*56.63*	
08 52 16 00-0186		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	316.75	30.56
		For Tempered Clear Insulated Glass, Add	*51.28*	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	333.81	31.33
		For Tempered Clear Insulated Glass, Add	*54.23*	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	352.85	32.86
		For Tempered Clear Insulated Glass, Add	*57.43*	
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	362.23	34.39
		For Tempered Clear Insulated Glass, Add	*58.69*	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	384.34	35.92
		For Tempered Clear Insulated Glass, Add	*62.65*	
08 52 16 00-0192		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	355.31	32.86
		For Tempered Clear Insulated Glass, Add	*57.92*	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	373.59	34.39
		For Tempered Clear Insulated Glass, Add	*61.12*	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	392.64	35.54
		For Tempered Clear Insulated Glass, Add	*64.31*	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	422.76	37.06
		For Tempered Clear Insulated Glass, Add	*69.73*	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	451.46	38.21
		For Tempered Clear Insulated Glass, Add	*75.01*	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	479.47	38.97
		For Tempered Clear Insulated Glass, Add	*80.31*	
08 52 16 00-0199		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	381.27	35.15
		For Tempered Clear Insulated Glass, Add	*62.35*	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	398.32	35.92
		For Tempered Clear Insulated Glass, Add	*65.30*	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	417.37	37.44
		For Tempered Clear Insulated Glass, Add	*68.50*	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	461.02	38.97
		For Tempered Clear Insulated Glass, Add	*76.62*	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	491.09	40.50
		For Tempered Clear Insulated Glass, Add	*82.17*	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	519.27	42.03
		For Tempered Clear Insulated Glass, Add	*87.19*	
08 52 16 00-0206		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	418.14	38.21
		For Tempered Clear Insulated Glass, Add	*68.50*	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	436.41	38.97
		For Tempered Clear Insulated Glass, Add	*71.69*	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	455.47	40.50
		For Tempered Clear Insulated Glass, Add	*74.89*	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	515.73	42.03
		For Tempered Clear Insulated Glass, Add	*86.33*	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	539.25	43.56
		For Tempered Clear Insulated Glass, Add	*90.58*	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	574.58	45.08
		For Tempered Clear Insulated Glass, Add	*97.03*	
08 52 16 00-0213		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	443.34	39.74
		For Tempered Clear Insulated Glass, Add	*72.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	460.39	40.50
		For Tempered Clear Insulated Glass, Add	*75.88*	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	479.45	42.03
		For Tempered Clear Insulated Glass, Add	*79.08*	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	553.84	43.56
		For Tempered Clear Insulated Glass, Add	*93.34*	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	589.02	45.08
		For Tempered Clear Insulated Glass, Add	*99.92*	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	612.08	46.61
		For Tempered Clear Insulated Glass, Add	*103.92*	

08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	479.45	42.03
		For Tempered Clear Insulated Glass, Add	*79.08*	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	497.72	43.56
		For Tempered Clear Insulated Glass, Add	*82.27*	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	516.77	44.70
		For Tempered Clear Insulated Glass, Add	*85.47*	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	608.39	46.23
		For Tempered Clear Insulated Glass, Add	*103.19*	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	633.29	47.38
		For Tempered Clear Insulated Glass, Add	*107.71*	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.63	48.91
		For Tempered Clear Insulated Glass, Add	*113.76*	

08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	505.40	44.32
		For Tempered Clear Insulated Glass, Add	*83.50*	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	522.46	45.08
		For Tempered Clear Insulated Glass, Add	*86.46*	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	541.50	46.61
		For Tempered Clear Insulated Glass, Add	*89.65*	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	646.66	48.15
		For Tempered Clear Insulated Glass, Add	*110.07*	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	669.81	49.68
		For Tempered Clear Insulated Glass, Add	*114.25*	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	704.90	51.20
		For Tempered Clear Insulated Glass, Add	*120.65*	

08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	541.50	46.61
		For Tempered Clear Insulated Glass, Add	*89.65*	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	559.79	48.15
		For Tempered Clear Insulated Glass, Add	*92.85*	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	578.83	49.29
		For Tempered Clear Insulated Glass, Add	*96.05*	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	701.21	50.81
		For Tempered Clear Insulated Glass, Add	*119.91*	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	729.66	51.96
		For Tempered Clear Insulated Glass, Add	*125.15*	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	759.46	53.49
		For Tempered Clear Insulated Glass, Add	*130.49*	

08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	530.47	37.44
		For Tempered Clear Insulated Glass, Add	*91.12*	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	603.19	40.50
		For Tempered Clear Insulated Glass, Add	*104.44*	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	687.51	43.56
		For Tempered Clear Insulated Glass, Add	*120.08*	

08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	572.56	38.97
		For Tempered Clear Insulated Glass, Add	*98.92*	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	645.30	42.03
		For Tempered Clear Insulated Glass, Add	*112.25*	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	729.60	45.08
		For Tempered Clear Insulated Glass, Add	*127.88*	

08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	567.32	38.97
		For Tempered Clear Insulated Glass, Add	*97.88*	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	641.57	42.03
		For Tempered Clear Insulated Glass, Add	*111.65*	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	719.02	45.08
		For Tempered Clear Insulated Glass, Add	*125.92*	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	808.79	47.76
		For Tempered Clear Insulated Glass, Add	*142.65*	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	868.88	50.06
		For Tempered Clear Insulated Glass, Add	*153.75*	
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	969.09	53.49
		For Tempered Clear Insulated Glass, Add	*172.42*	

08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	619.13	40.88
		For Tempered Clear Insulated Glass, Add	*107.47*	
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	693.36	43.56
		For Tempered Clear Insulated Glass, Add	*121.25*	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	770.82	46.61
		For Tempered Clear Insulated Glass, Add	*135.52*	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	860.57	49.68
		For Tempered Clear Insulated Glass, Add	*152.25*	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	927.20	51.96
		For Tempered Clear Insulated Glass, Add	*164.65*	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,209.09	55.41
		For Tempered Clear Insulated Glass, Add	*219.66*	

08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	695.35	43.94
		For Tempered Clear Insulated Glass, Add	*121.49*	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	770.82	46.61
		For Tempered Clear Insulated Glass, Add	*135.52*	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	848.27	49.68
		For Tempered Clear Insulated Glass, Add	*149.79*	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	938.03	52.73
		For Tempered Clear Insulated Glass, Add	*166.52*	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,001.83	55.02
		For Tempered Clear Insulated Glass, Add	*178.36*	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,098.34	58.46
		For Tempered Clear Insulated Glass, Add	*196.28*	

08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	746.38	45.47
		For Tempered Clear Insulated Glass, Add	*131.09*	
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	820.62	48.15
		For Tempered Clear Insulated Glass, Add	*144.87*	
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	888.94	51.20
		For Tempered Clear Insulated Glass, Add	*157.31*	
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	987.84	54.26
		For Tempered Clear Insulated Glass, Add	*175.86*	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,054.70	56.55
		For Tempered Clear Insulated Glass, Add	*188.32*	
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,149.37	59.99
		For Tempered Clear Insulated Glass, Add	*205.88*	

08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	821.85	48.15
		For Tempered Clear Insulated Glass, Add	*145.11*	
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	896.08	51.20
		For Tempered Clear Insulated Glass, Add	*158.89*	
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	973.54	54.26
		For Tempered Clear Insulated Glass, Add	*173.16*	
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,063.30	56.94
		For Tempered Clear Insulated Glass, Add	*189.89*	
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,130.17	59.22
		For Tempered Clear Insulated Glass, Add	*202.34*	
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,223.60	62.67
		For Tempered Clear Insulated Glass, Add	*219.66*	

08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	873.64	50.06
		For Tempered Clear Insulated Glass, Add	*154.71*	
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	947.87	52.73
		For Tempered Clear Insulated Glass, Add	*168.48*	
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,026.56	55.79
		For Tempered Clear Insulated Glass, Add	*183.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,116.32	58.84
		For Tempered Clear Insulated Glass, Add	*199.73*	
08 52 16 00-0290		**71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	949.10	52.73
		For Tempered Clear Insulated Glass, Add	*168.73*	
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,023.34	55.79
		For Tempered Clear Insulated Glass, Add	*182.51*	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,100.80	58.84
		For Tempered Clear Insulated Glass, Add	*196.78*	
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,190.56	61.52
		For Tempered Clear Insulated Glass, Add	*213.50*	
08 52 16 00-0295		**One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0179)*		
08 52 16 00-0296		**24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	842.69	49.29
		For Tempered Clear Insulated Glass, Add	*148.82*	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	980.69	54.26
		For Tempered Clear Insulated Glass, Add	*174.43*	
08 52 16 00-0299		**28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	894.48	50.81
		For Tempered Clear Insulated Glass, Add	*158.57*	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,023.34	55.79
		For Tempered Clear Insulated Glass, Add	*182.35*	
08 52 16 00-0302		**35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	860.82	49.68
		For Tempered Clear Insulated Glass, Add	*152.30*	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	971.55	53.49
		For Tempered Clear Insulated Glass, Add	*172.91*	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,108.18	58.84
		For Tempered Clear Insulated Glass, Add	*198.25*	
08 52 16 00-0306		**40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	910.12	51.96
		For Tempered Clear Insulated Glass, Add	*161.39*	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,024.57	55.41
		For Tempered Clear Insulated Glass, Add	*182.75*	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,159.97	60.37
		For Tempered Clear Insulated Glass, Add	*207.85*	
08 52 16 00-0310		**48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,100.80	58.46
		For Tempered Clear Insulated Glass, Add	*196.78*	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,236.20	63.43
		For Tempered Clear Insulated Glass, Add	*221.87*	
08 52 16 00-0313		**52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0295)*		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,151.83	59.99
		For Tempered Clear Insulated Glass, Add	*206.37*	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,287.23	64.95
		For Tempered Clear Insulated Glass, Add	*231.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,226.06	62.67
		For Tempered Clear Insulated Glass, Add	*220.15*	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,362.70	68.01
		For Tempered Clear Insulated Glass, Add	*245.49*	
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0178)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	352.44	29.04
		For Tempered Low-E Insulated Glass, Add	*59.03*	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	373.19	29.81
		For Tempered Low-E Insulated Glass, Add	*62.72*	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	396.24	31.33
		For Tempered Low-E Insulated Glass, Add	*66.71*	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	417.41	32.86
		For Tempered Low-E Insulated Glass, Add	*70.34*	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	378.56	30.56
		For Tempered Low-E Insulated Glass, Add	*63.64*	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	399.31	31.33
		For Tempered Low-E Insulated Glass, Add	*67.33*	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	422.35	32.86
		For Tempered Low-E Insulated Glass, Add	*71.33*	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	433.31	34.39
		For Tempered Low-E Insulated Glass, Add	*72.91*	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	460.38	35.92
		For Tempered Low-E Insulated Glass, Add	*77.86*	
08 52 16 00-0332		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	425.42	32.86
		For Tempered Low-E Insulated Glass, Add	*71.94*	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	447.70	34.39
		For Tempered Low-E Insulated Glass, Add	*75.94*	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	470.75	35.54
		For Tempered Low-E Insulated Glass, Add	*79.94*	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	507.64	37.06
		For Tempered Low-E Insulated Glass, Add	*86.70*	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	542.94	38.21
		For Tempered Low-E Insulated Glass, Add	*93.30*	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	577.57	38.97
		For Tempered Low-E Insulated Glass, Add	*99.93*	
08 52 16 00-0339		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	456.92	35.15
		For Tempered Low-E Insulated Glass, Add	*77.48*	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	477.66	35.92
		For Tempered Low-E Insulated Glass, Add	*81.17*	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	500.71	37.44
		For Tempered Low-E Insulated Glass, Add	*85.16*	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	554.50	38.97
		For Tempered Low-E Insulated Glass, Add	*95.31*	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	591.53	40.50
		For Tempered Low-E Insulated Glass, Add	*102.26*	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	625.98	42.03
		For Tempered Low-E Insulated Glass, Add	*108.54*	
08 52 16 00-0346		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	501.48	38.21
		For Tempered Low-E Insulated Glass, Add	*85.16*	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	523.75	38.97
		For Tempered Low-E Insulated Glass, Add	*89.16*	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	546.80	40.50
		For Tempered Low-E Insulated Glass, Add	*93.16*	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	621.36	42.03
		For Tempered Low-E Insulated Glass, Add	*107.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	650.19	43.56
		For Tempered Low-E Insulated Glass, Add	*112.77*	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	693.59	45.08
		For Tempered Low-E Insulated Glass, Add	*120.84*	
08 52 16 00-0353		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	532.21	39.74
		For Tempered Low-E Insulated Glass, Add	*90.70*	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	552.95	40.50
		For Tempered Low-E Insulated Glass, Add	*94.39*	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	576.01	42.03
		For Tempered Low-E Insulated Glass, Add	*98.39*	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	668.24	43.56
		For Tempered Low-E Insulated Glass, Add	*116.22*	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	711.64	45.08
		For Tempered Low-E Insulated Glass, Add	*124.45*	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	739.70	46.61
		For Tempered Low-E Insulated Glass, Add	*129.45*	
08 52 16 00-0360		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	576.01	42.03
		For Tempered Low-E Insulated Glass, Add	*98.39*	
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	598.28	43.56
		For Tempered Low-E Insulated Glass, Add	*102.39*	
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	621.33	44.70
		For Tempered Low-E Insulated Glass, Add	*106.38*	
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	735.08	46.23
		For Tempered Low-E Insulated Glass, Add	*128.52*	
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	765.65	47.38
		For Tempered Low-E Insulated Glass, Add	*134.18*	
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	806.55	48.91
		For Tempered Low-E Insulated Glass, Add	*141.75*	
08 52 16 00-0367		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	607.50	44.32
		For Tempered Low-E Insulated Glass, Add	*103.92*	
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	628.25	45.08
		For Tempered Low-E Insulated Glass, Add	*107.61*	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	651.29	46.61
		For Tempered Low-E Insulated Glass, Add	*111.61*	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	781.97	48.15
		For Tempered Low-E Insulated Glass, Add	*137.14*	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	810.34	49.68
		For Tempered Low-E Insulated Glass, Add	*142.35*	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	853.44	51.20
		For Tempered Low-E Insulated Glass, Add	*150.36*	
08 52 16 00-0374		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	651.29	46.61
		For Tempered Low-E Insulated Glass, Add	*111.61*	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	673.58	48.15
		For Tempered Low-E Insulated Glass, Add	*115.61*	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	696.61	49.29
		For Tempered Low-E Insulated Glass, Add	*119.61*	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	848.82	50.81
		For Tempered Low-E Insulated Glass, Add	*149.44*	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	883.81	51.96
		For Tempered Low-E Insulated Glass, Add	*155.98*	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	920.29	53.49
		For Tempered Low-E Insulated Glass, Add	*162.66*	
08 52 16 00-0381		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0382		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	639.80	37.44
		For Tempered Low-E Insulated Glass, Add	*112.98*	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	729.17	40.50
		For Tempered Low-E Insulated Glass, Add	*129.63*	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	833.04	43.56
		For Tempered Low-E Insulated Glass, Add	*149.18*	
08 52 16 00-0386		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0387	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	691.64	38.97
		For Tempered Low-E Insulated Glass, Add	*122.74*	
08 52 16 00-0388	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	781.04	42.03
		For Tempered Low-E Insulated Glass, Add	*139.39*	
08 52 16 00-0389	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	884.89	45.08
		For Tempered Low-E Insulated Glass, Add	*158.94*	
08 52 16 00-0390		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	685.10	38.97
		For Tempered Low-E Insulated Glass, Add	*121.43*	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	776.57	42.03
		For Tempered Low-E Insulated Glass, Add	*138.65*	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	871.86	45.08
		For Tempered Low-E Insulated Glass, Add	*156.49*	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	982.54	47.76
		For Tempered Low-E Insulated Glass, Add	*177.40*	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,056.51	50.06
		For Tempered Low-E Insulated Glass, Add	*191.28*	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,180.05	53.49
		For Tempered Low-E Insulated Glass, Add	*214.61*	
08 52 16 00-0397		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	748.90	40.88
		For Tempered Low-E Insulated Glass, Add	*133.43*	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	840.36	43.56
		For Tempered Low-E Insulated Glass, Add	*150.65*	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	935.65	46.61
		For Tempered Low-E Insulated Glass, Add	*168.48*	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,046.32	49.68
		For Tempered Low-E Insulated Glass, Add	*189.40*	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,128.45	51.96
		For Tempered Low-E Insulated Glass, Add	*204.90*	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,479.09	55.41
		For Tempered Low-E Insulated Glass, Add	*273.66*	
08 52 16 00-0404		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	842.65	43.94
		For Tempered Low-E Insulated Glass, Add	*150.95*	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	935.65	46.61
		For Tempered Low-E Insulated Glass, Add	*168.48*	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,030.94	49.68
		For Tempered Low-E Insulated Glass, Add	*186.32*	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,141.61	52.73
		For Tempered Low-E Insulated Glass, Add	*207.23*	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,220.21	55.02
		For Tempered Low-E Insulated Glass, Add	*222.03*	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,339.13	58.46
		For Tempered Low-E Insulated Glass, Add	*244.44*	
08 52 16 00-0411		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	905.67	45.47
		For Tempered Low-E Insulated Glass, Add	*162.95*	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	997.14	48.15
		For Tempered Low-E Insulated Glass, Add	*180.17*	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,083.30	51.20
		For Tempered Low-E Insulated Glass, Add	*196.18*	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,203.11	54.26
		For Tempered Low-E Insulated Glass, Add	*218.92*	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,285.54	56.55
		For Tempered Low-E Insulated Glass, Add	*234.49*	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,402.15	59.99
		For Tempered Low-E Insulated Glass, Add	*256.43*	
08 52 16 00-0418		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	998.68	48.15
		For Tempered Low-E Insulated Glass, Add	*180.48*	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,090.13	51.20
		For Tempered Low-E Insulated Glass, Add	*197.70*	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,185.42	54.26
		For Tempered Low-E Insulated Glass, Add	*215.53*	
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,296.09	56.94
		For Tempered Low-E Insulated Glass, Add	*236.45*	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,378.53	59.22
		For Tempered Low-E Insulated Glass, Add	*252.02*	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,493.60	62.67
		For Tempered Low-E Insulated Glass, Add	*273.66*	

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08 52 16 00-0425		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,062.46	50.06
		For Tempered Low-E Insulated Glass, Add	*192.47*	
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,153.91	52.73
		For Tempered Low-E Insulated Glass, Add	*209.69*	
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,250.75	55.79
		For Tempered Low-E Insulated Glass, Add	*227.84*	
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,361.41	58.84
		For Tempered Low-E Insulated Glass, Add	*248.75*	
08 52 16 00-0430		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,155.45	52.73
		For Tempered Low-E Insulated Glass, Add	*210.00*	
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,246.91	55.79
		For Tempered Low-E Insulated Glass, Add	*227.22*	
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,342.20	58.84
		For Tempered Low-E Insulated Glass, Add	*245.06*	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,452.88	61.52
		For Tempered Low-E Insulated Glass, Add	*265.97*	
08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,026.44	49.29
		For Tempered Low-E Insulated Glass, Add	*185.57*	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,194.17	54.26
		For Tempered Low-E Insulated Glass, Add	*217.13*	
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,088.13	50.81
		For Tempered Low-E Insulated Glass, Add	*197.30*	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,246.72	55.79
		For Tempered Low-E Insulated Glass, Add	*227.03*	
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,046.63	49.68
		For Tempered Low-E Insulated Glass, Add	*189.46*	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,183.12	53.49
		For Tempered Low-E Insulated Glass, Add	*215.23*	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,351.43	58.84
		For Tempered Low-E Insulated Glass, Add	*246.90*	
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,107.29	51.96
		For Tempered Low-E Insulated Glass, Add	*200.82*	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,248.45	55.41
		For Tempered Low-E Insulated Glass, Add	*227.53*	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,415.22	60.37
		For Tempered Low-E Insulated Glass, Add	*258.90*	
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,342.20	58.46
		For Tempered Low-E Insulated Glass, Add	*245.06*	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,508.97	63.43
		For Tempered Low-E Insulated Glass, Add	*276.42*	

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08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,405.23	59.99
		For Tempered Low-E Insulated Glass, Add	*257.05*	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,572.00	64.95
		For Tempered Low-E Insulated Glass, Add	*288.42*	
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,496.68	62.67
		For Tempered Low-E Insulated Glass, Add	*274.27*	
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,664.99	68.01
		For Tempered Low-E Insulated Glass, Add	*305.95*	
08 52 16 00-0459		Awning Wood Clad Windows *(08 52 16)*		
		Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0459)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0462		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	319.62	31.33
		For Tempered Clear Insulated Glass, Add	*51.39*	
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	342.35	32.86
		For Tempered Clear Insulated Glass, Add	*55.33*	
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	360.99	34.01
		For Tempered Clear Insulated Glass, Add	*58.60*	
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	384.60	35.54
		For Tempered Clear Insulated Glass, Add	*62.71*	
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	411.79	37.44
		For Tempered Clear Insulated Glass, Add	*67.38*	
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	453.58	40.50
		For Tempered Clear Insulated Glass, Add	*74.52*	
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	480.02	42.03
		For Tempered Clear Insulated Glass, Add	*79.19*	
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	518.57	45.08
		For Tempered Clear Insulated Glass, Add	*85.83*	
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	532.92	46.61
		For Tempered Clear Insulated Glass, Add	*87.94*	
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	571.06	49.29
		For Tempered Clear Insulated Glass, Add	*94.50*	
08 52 16 00-0473		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0474	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	337.27	32.86
		For Tempered Clear Insulated Glass, Add	*54.46*	
08 52 16 00-0475	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	361.86	34.39
		For Tempered Clear Insulated Glass, Add	*58.77*	
08 52 16 00-0476	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	377.89	35.15
		For Tempered Clear Insulated Glass, Add	*61.52*	
08 52 16 00-0477	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	404.11	36.69
		For Tempered Clear Insulated Glass, Add	*66.15*	
08 52 16 00-0478	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	431.31	38.97
		For Tempered Clear Insulated Glass, Add	*70.82*	
08 52 16 00-0479	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	471.87	41.65
		For Tempered Clear Insulated Glass, Add	*77.71*	
08 52 16 00-0480	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	498.29	43.56
		For Tempered Clear Insulated Glass, Add	*82.39*	
08 52 16 00-0481	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	538.08	45.85
		For Tempered Clear Insulated Glass, Add	*89.28*	
08 52 16 00-0482	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	551.00	48.15
		For Tempered Clear Insulated Glass, Add	*91.09*	
08 52 16 00-0483	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	590.35	50.43
		For Tempered Clear Insulated Glass, Add	*97.90*	
08 52 16 00-0484	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	912.69	55.79
		For Tempered Clear Insulated Glass, Add	*160.38*	
08 52 16 00-0485		24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0486	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	359.40	34.39
		For Tempered Clear Insulated Glass, Add	*58.28*	
08 52 16 00-0487	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	382.14	35.92
		For Tempered Clear Insulated Glass, Add	*62.21*	
08 52 16 00-0488	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	397.64	36.69
		For Tempered Clear Insulated Glass, Add	*64.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0489	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	424.39	38.21
		For Tempered Clear Insulated Glass, Add	*69.59*	
08 52 16 00-0490	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	451.59	40.50
		For Tempered Clear Insulated Glass, Add	*74.27*	
08 52 16 00-0491	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	493.37	43.18
		For Tempered Clear Insulated Glass, Add	*81.40*	
08 52 16 00-0492	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	519.80	45.08
		For Tempered Clear Insulated Glass, Add	*86.08*	
08 52 16 00-0493	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	559.59	47.38
		For Tempered Clear Insulated Glass, Add	*92.97*	
08 52 16 00-0494	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	571.06	49.68
		For Tempered Clear Insulated Glass, Add	*94.50*	
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	609.15	51.96
		For Tempered Clear Insulated Glass, Add	*101.04*	
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	960.60	57.31
		For Tempered Clear Insulated Glass, Add	*169.35*	

08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	358.77	35.92
		For Tempered Clear Insulated Glass, Add	*57.54*	
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	393.81	37.44
		For Tempered Clear Insulated Glass, Add	*63.94*	
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	416.34	38.21
		For Tempered Clear Insulated Glass, Add	*67.98*	
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	458.20	39.74
		For Tempered Clear Insulated Glass, Add	*75.75*	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	500.16	42.03
		For Tempered Clear Insulated Glass, Add	*83.37*	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	561.62	44.70
		For Tempered Clear Insulated Glass, Add	*94.44*	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	601.58	46.61
		For Tempered Clear Insulated Glass, Add	*101.82*	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	662.28	48.91
		For Tempered Clear Insulated Glass, Add	*112.89*	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	684.64	51.20
		For Tempered Clear Insulated Glass, Add	*116.60*	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	743.43	53.49
		For Tempered Clear Insulated Glass, Add	*127.29*	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	986.70	58.84
		For Tempered Clear Insulated Glass, Add	*173.96*	

08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	416.34	38.21
		For Tempered Clear Insulated Glass, Add	*67.98*	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	440.54	39.35
		For Tempered Clear Insulated Glass, Add	*72.37*	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	473.86	40.88
		For Tempered Clear Insulated Glass, Add	*78.42*	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	511.06	42.80
		For Tempered Clear Insulated Glass, Add	*85.09*	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	565.16	45.85
		For Tempered Clear Insulated Glass, Add	*94.69*	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	602.65	47.38
		For Tempered Clear Insulated Glass, Add	*101.58*	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	655.98	50.43
		For Tempered Clear Insulated Glass, Add	*111.17*	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	693.19	51.96
		For Tempered Clear Insulated Glass, Add	*117.85*	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	747.57	54.64
		For Tempered Clear Insulated Glass, Add	*127.66*	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,052.43	59.61
		For Tempered Clear Insulated Glass, Add	*186.64*	

08 52 16 00-0520 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	473.86	40.88
		For Tempered Clear Insulated Glass, Add	*78.42*	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	521.36	42.42
		For Tempered Clear Insulated Glass, Add	*87.31*	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	563.32	44.32
		For Tempered Clear Insulated Glass, Add	*94.93*	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	624.79	47.38
		For Tempered Clear Insulated Glass, Add	*106.01*	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	665.97	48.91
		For Tempered Clear Insulated Glass, Add	*113.63*	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	725.45	51.96
		For Tempered Clear Insulated Glass, Add	*124.46*	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	632.91	53.49
		For Tempered Clear Insulated Glass, Add	*105.18*	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	679.54	56.17
		For Tempered Clear Insulated Glass, Add	*113.44*	

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08 52 16 00-0529		**40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	555.94	44.32
		For Tempered Clear Insulated Glass, Add	*93.46*	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	626.18	46.61
		For Tempered Clear Insulated Glass, Add	*106.74*	
08 52 16 00-0532		**48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	661.69	47.38
		For Tempered Clear Insulated Glass, Add	*113.39*	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	733.16	49.68
		For Tempered Clear Insulated Glass, Add	*126.92*	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	837.68	52.34
		For Tempered Clear Insulated Glass, Add	*146.60*	
08 52 16 00-0536		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	819.91	51.58
		For Tempered Clear Insulated Glass, Add	*143.35*	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	882.47	53.49
		For Tempered Clear Insulated Glass, Add	*155.10*	
08 52 16 00-0539		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	897.04	51.96
		For Tempered Clear Insulated Glass, Add	*158.62*	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	927.86	56.17
		For Tempered Clear Insulated Glass, Add	*163.11*	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,027.27	58.07
		For Tempered Clear Insulated Glass, Add	*182.22*	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,128.71	61.14
		For Tempered Clear Insulated Glass, Add	*201.29*	
08 52 16 00-0544		**Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0460)*		
08 52 16 00-0545		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0544)*		
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	281.49	31.33
		For Tempered Clear Insulated Glass, Add	*43.76*	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	302.99	32.86
		For Tempered Clear Insulated Glass, Add	*47.45*	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	317.17	34.01
		For Tempered Clear Insulated Glass, Add	*49.83*	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	340.32	35.54
		For Tempered Clear Insulated Glass, Add	*53.85*	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	365.05	37.44
		For Tempered Clear Insulated Glass, Add	*58.03*	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	403.14	40.50
		For Tempered Clear Insulated Glass, Add	*64.43*	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	425.89	42.03
		For Tempered Clear Insulated Glass, Add	*68.36*	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	461.99	45.08
		For Tempered Clear Insulated Glass, Add	*74.52*	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	486.72	46.61
		For Tempered Clear Insulated Glass, Add	*78.70*	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	522.82	49.29
		For Tempered Clear Insulated Glass, Add	*84.85*	
08 52 16 00-0556		**20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0544)*		
08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	298.53	32.86
		For Tempered Clear Insulated Glass, Add	*46.72*	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	320.04	34.39
		For Tempered Clear Insulated Glass, Add	*50.41*	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	333.03	35.15
		For Tempered Clear Insulated Glass, Add	*52.54*	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	358.60	36.69
		For Tempered Clear Insulated Glass, Add	*57.05*	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	383.34	38.97
		For Tempered Clear Insulated Glass, Add	*61.23*	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	420.20	41.65
		For Tempered Clear Insulated Glass, Add	*67.38*	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	444.17	43.56
		For Tempered Clear Insulated Glass, Add	*71.56*	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	479.04	45.85
		For Tempered Clear Insulated Glass, Add	*77.47*	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	505.01	48.15
		For Tempered Clear Insulated Glass, Add	*81.90*	

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08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	539.87	50.43
		For Tempered Clear Insulated Glass, Add	*87.80*	

08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	317.58	34.39
		For Tempered Clear Insulated Glass, Add	*49.91*	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	339.09	35.92
		For Tempered Clear Insulated Glass, Add	*53.60*	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	350.69	36.69
		For Tempered Clear Insulated Glass, Add	*55.47*	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	376.42	38.21
		For Tempered Clear Insulated Glass, Add	*60.00*	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	401.15	40.50
		For Tempered Clear Insulated Glass, Add	*64.18*	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	438.01	43.18
		For Tempered Clear Insulated Glass, Add	*70.33*	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	461.99	45.08
		For Tempered Clear Insulated Glass, Add	*74.52*	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	498.09	47.38
		For Tempered Clear Insulated Glass, Add	*80.67*	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	522.82	49.68
		For Tempered Clear Insulated Glass, Add	*84.85*	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	558.92	51.96
		For Tempered Clear Insulated Glass, Add	*91.00*	

08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	319.41	35.92
		For Tempered Clear Insulated Glass, Add	*49.67*	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	348.30	37.44
		For Tempered Clear Insulated Glass, Add	*54.83*	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	364.18	38.21
		For Tempered Clear Insulated Glass, Add	*57.55*	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	379.47	39.74
		For Tempered Clear Insulated Glass, Add	*60.00*	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	433.73	42.03
		For Tempered Clear Insulated Glass, Add	*70.09*	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	482.90	44.70
		For Tempered Clear Insulated Glass, Add	*78.70*	
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	515.47	46.61
		For Tempered Clear Insulated Glass, Add	*84.60*	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	563.87	48.91
		For Tempered Clear Insulated Glass, Add	*93.21*	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	598.45	51.20
		For Tempered Clear Insulated Glass, Add	*99.36*	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	646.86	53.49
		For Tempered Clear Insulated Glass, Add	*107.97*	

08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	364.18	38.21
		For Tempered Clear Insulated Glass, Add	*57.55*	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	384.21	39.35
		For Tempered Clear Insulated Glass, Add	*61.10*	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	411.26	40.88
		For Tempered Clear Insulated Glass, Add	*65.90*	
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	442.21	42.80
		For Tempered Clear Insulated Glass, Add	*71.32*	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	486.92	45.85
		For Tempered Clear Insulated Glass, Add	*79.04*	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	517.10	47.38
		For Tempered Clear Insulated Glass, Add	*84.47*	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	561.05	50.43
		For Tempered Clear Insulated Glass, Add	*92.19*	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	590.95	51.96
		For Tempered Clear Insulated Glass, Add	*97.40*	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	634.90	54.64
		For Tempered Clear Insulated Glass, Add	*105.12*	

08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	411.26	40.88
		For Tempered Clear Insulated Glass, Add	*65.90*	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	451.25	42.42
		For Tempered Clear Insulated Glass, Add	*73.29*	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	484.60	44.32
		For Tempered Clear Insulated Glass, Add	*79.19*	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	534.99	47.38
		For Tempered Clear Insulated Glass, Add	*88.05*	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	567.56	48.91
		For Tempered Clear Insulated Glass, Add	*93.95*	

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08 52 16 00-0605	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	615.98	51.96
		For Tempered Clear Insulated Glass, Add	*102.56*	
08 52 16 00-0606	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	649.32	53.49
		For Tempered Clear Insulated Glass, Add	*108.47*	
08 52 16 00-0607	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	697.71	56.17
		For Tempered Clear Insulated Glass, Add	*117.08*	

08 52 16 00-0608 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0459)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0609 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*

08 52 16 00-0610 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0611	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	380.51	31.33
		For Tempered Low-E Insulated Glass, Add	*63.57*	
08 52 16 00-0612	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	408.16	32.86
		For Tempered Low-E Insulated Glass, Add	*68.49*	
08 52 16 00-0613	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	430.89	34.01
		For Tempered Low-E Insulated Glass, Add	*72.58*	
08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	459.64	35.54
		For Tempered Low-E Insulated Glass, Add	*77.71*	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	492.67	37.44
		For Tempered Low-E Insulated Glass, Add	*83.56*	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	543.37	40.50
		For Tempered Low-E Insulated Glass, Add	*92.47*	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	575.66	42.03
		For Tempered Low-E Insulated Glass, Add	*98.32*	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	622.51	45.08
		For Tempered Low-E Insulated Glass, Add	*106.62*	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	639.49	46.61
		For Tempered Low-E Insulated Glass, Add	*109.25*	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	685.83	49.29
		For Tempered Low-E Insulated Glass, Add	*117.45*	

08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	402.00	32.86
		For Tempered Low-E Insulated Glass, Add	*67.41*	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	431.98	34.39
		For Tempered Low-E Insulated Glass, Add	*72.79*	
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	451.44	35.15
		For Tempered Low-E Insulated Glass, Add	*76.23*	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	483.45	36.69
		For Tempered Low-E Insulated Glass, Add	*82.02*	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	516.50	38.97
		For Tempered Low-E Insulated Glass, Add	*87.86*	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	565.66	41.65
		For Tempered Low-E Insulated Glass, Add	*96.47*	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	597.93	43.56
		For Tempered Low-E Insulated Glass, Add	*102.32*	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	646.33	45.85
		For Tempered Low-E Insulated Glass, Add	*110.93*	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	661.53	48.15
		For Tempered Low-E Insulated Glass, Add	*113.20*	
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	709.37	50.43
		For Tempered Low-E Insulated Glass, Add	*121.70*	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,109.81	55.79
		For Tempered Low-E Insulated Glass, Add	*199.80*	

08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	428.90	34.39
		For Tempered Low-E Insulated Glass, Add	*72.18*	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	456.56	35.92
		For Tempered Low-E Insulated Glass, Add	*77.10*	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	475.36	36.69
		For Tempered Low-E Insulated Glass, Add	*80.40*	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	508.04	38.21
		For Tempered Low-E Insulated Glass, Add	*86.32*	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	541.07	40.50
		For Tempered Low-E Insulated Glass, Add	*92.17*	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	591.78	43.18
		For Tempered Low-E Insulated Glass, Add	*101.09*	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	624.05	45.08
		For Tempered Low-E Insulated Glass, Add	*106.93*	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	672.45	47.38
		For Tempered Low-E Insulated Glass, Add	*115.54*	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	685.83	49.68
		For Tempered Low-E Insulated Glass, Add	*117.45*	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	732.11	51.96
		For Tempered Low-E Insulated Glass, Add	*125.64*	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,168.93	57.31
		For Tempered Low-E Insulated Glass, Add	*211.01*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0645			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0646		EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	427.35	35.92
			For Tempered Low-E Insulated Glass, Add	*71.26*	
08 52 16 00-0647		EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	470.39	37.44
			For Tempered Low-E Insulated Glass, Add	*79.25*	
08 52 16 00-0648		EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	497.98	38.21
			For Tempered Low-E Insulated Glass, Add	*84.31*	
08 52 16 00-0649		EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	549.53	39.74
			For Tempered Low-E Insulated Glass, Add	*94.01*	
08 52 16 00-0650		EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	601.03	42.03
			For Tempered Low-E Insulated Glass, Add	*103.55*	
08 52 16 00-0651		EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	676.33	44.70
			For Tempered Low-E Insulated Glass, Add	*117.38*	
08 52 16 00-0652		EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	725.51	46.61
			For Tempered Low-E Insulated Glass, Add	*126.61*	
08 52 16 00-0653		EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	800.05	48.91
			For Tempered Low-E Insulated Glass, Add	*140.45*	
08 52 16 00-0654		EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	827.04	51.20
			For Tempered Low-E Insulated Glass, Add	*145.08*	
08 52 16 00-0655		EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,033.10	53.49
			For Tempered Low-E Insulated Glass, Add	*185.22*	
08 52 16 00-0656		EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,200.80	58.84
			For Tempered Low-E Insulated Glass, Add	*216.78*	
08 52 16 00-0657			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0658		EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	497.98	38.21
			For Tempered Low-E Insulated Glass, Add	*84.31*	
08 52 16 00-0659		EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	527.65	39.35
			For Tempered Low-E Insulated Glass, Add	*89.79*	
08 52 16 00-0660		EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	568.53	40.88
			For Tempered Low-E Insulated Glass, Add	*97.35*	
08 52 16 00-0661		EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	614.08	42.80
			For Tempered Low-E Insulated Glass, Add	*105.70*	
08 52 16 00-0662		EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	680.18	45.85
			For Tempered Low-E Insulated Glass, Add	*117.70*	
08 52 16 00-0663		EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	726.27	47.38
			For Tempered Low-E Insulated Glass, Add	*126.30*	
08 52 16 00-0664		EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	791.61	50.43
			For Tempered Low-E Insulated Glass, Add	*138.30*	
08 52 16 00-0665		EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	837.16	51.96
			For Tempered Low-E Insulated Glass, Add	*146.65*	
08 52 16 00-0666		EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	903.80	54.64
			For Tempered Low-E Insulated Glass, Add	*158.90*	
08 52 16 00-0667		EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,282.38	59.61
			For Tempered Low-E Insulated Glass, Add	*232.63*	
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0669		EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	568.53	40.88
			For Tempered Low-E Insulated Glass, Add	*97.35*	
08 52 16 00-0670		EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	627.15	42.42
			For Tempered Low-E Insulated Glass, Add	*108.47*	
08 52 16 00-0671		EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	678.64	44.32
			For Tempered Low-E Insulated Glass, Add	*118.00*	
08 52 16 00-0672		EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	753.95	47.38
			For Tempered Low-E Insulated Glass, Add	*131.84*	
08 52 16 00-0673		EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	804.66	48.91
			For Tempered Low-E Insulated Glass, Add	*141.37*	
08 52 16 00-0674		EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	877.68	51.96
			For Tempered Low-E Insulated Glass, Add	*154.90*	
08 52 16 00-0675		EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	761.04	53.49
			For Tempered Low-E Insulated Glass, Add	*130.81*	
08 52 16 00-0676		EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	817.99	56.17
			For Tempered Low-E Insulated Glass, Add	*141.13*	
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0678		EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	665.59	44.32
			For Tempered Low-E Insulated Glass, Add	*116.15*	
08 52 16 00-0679		EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	758.56	47.38
			For Tempered Low-E Insulated Glass, Add	*132.76*	
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0681		EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	800.07	47.38
			For Tempered Low-E Insulated Glass, Add	*141.06*	
08 52 16 00-0682		EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	888.46	49.68
			For Tempered Low-E Insulated Glass, Add	*157.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,017.58	52.34
		For Tempered Low-E Insulated Glass, Add	*182.58*	
08 52 16 00-0684		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	995.74	51.58
		For Tempered Low-E Insulated Glass, Add	*178.51*	
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,073.00	53.49
		For Tempered Low-E Insulated Glass, Add	*193.20*	
08 52 16 00-0687		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,091.97	51.96
		For Tempered Low-E Insulated Glass, Add	*197.61*	
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,128.40	56.17
		For Tempered Low-E Insulated Glass, Add	*203.21*	
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,251.69	58.07
		For Tempered Low-E Insulated Glass, Add	*227.11*	
08 52 16 00-0691	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,376.98	61.14
		For Tempered Low-E Insulated Glass, Add	*250.94*	
08 52 16 00-0692		Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*		
08 52 16 00-0693		17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	332.84	31.33
		For Tempered Low-E Insulated Glass, Add	*54.03*	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	358.96	32.86
		For Tempered Low-E Insulated Glass, Add	*58.65*	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	376.12	34.01
		For Tempered Low-E Insulated Glass, Add	*61.62*	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	404.28	35.54
		For Tempered Low-E Insulated Glass, Add	*66.64*	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	434.24	37.44
		For Tempered Low-E Insulated Glass, Add	*71.87*	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	480.33	40.50
		For Tempered Low-E Insulated Glass, Add	*79.87*	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	508.00	42.03
		For Tempered Low-E Insulated Glass, Add	*84.79*	
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	551.78	45.08
		For Tempered Low-E Insulated Glass, Add	*92.47*	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	581.74	46.61
		For Tempered Low-E Insulated Glass, Add	*97.70*	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	625.53	49.29
		For Tempered Low-E Insulated Glass, Add	*105.39*	
08 52 16 00-0704		20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	353.57	32.86
		For Tempered Low-E Insulated Glass, Add	*57.72*	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	379.70	34.39
		For Tempered Low-E Insulated Glass, Add	*62.34*	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	395.37	35.15
		For Tempered Low-E Insulated Glass, Add	*65.01*	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	426.56	36.69
		For Tempered Low-E Insulated Glass, Add	*70.64*	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	456.53	38.97
		For Tempered Low-E Insulated Glass, Add	*75.87*	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	501.08	41.65
		For Tempered Low-E Insulated Glass, Add	*83.56*	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	530.27	43.56
		For Tempered Low-E Insulated Glass, Add	*88.78*	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	572.52	45.85
		For Tempered Low-E Insulated Glass, Add	*96.16*	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	604.03	48.15
		For Tempered Low-E Insulated Glass, Add	*101.70*	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	646.27	50.43
		For Tempered Low-E Insulated Glass, Add	*109.08*	
08 52 16 00-0715		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	376.62	34.39
		For Tempered Low-E Insulated Glass, Add	*61.72*	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	402.75	35.92
		For Tempered Low-E Insulated Glass, Add	*66.34*	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	416.67	36.69
		For Tempered Low-E Insulated Glass, Add	*68.66*	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	448.07	38.21
		For Tempered Low-E Insulated Glass, Add	*74.33*	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	478.03	40.50
		For Tempered Low-E Insulated Glass, Add	*79.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	522.58	43.18
		For Tempered Low-E Insulated Glass, Add	*87.25*	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	551.78	45.08
		For Tempered Low-E Insulated Glass, Add	*92.47*	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	595.57	47.38
		For Tempered Low-E Insulated Glass, Add	*100.16*	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	625.53	49.68
		For Tempered Low-E Insulated Glass, Add	*105.39*	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	669.32	51.96
		For Tempered Low-E Insulated Glass, Add	*113.08*	

08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	378.14	35.92
		For Tempered Low-E Insulated Glass, Add	*61.41*	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	413.49	37.44
		For Tempered Low-E Insulated Glass, Add	*67.87*	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	432.78	38.21
		For Tempered Low-E Insulated Glass, Add	*71.27*	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	451.12	39.74
		For Tempered Low-E Insulated Glass, Add	*74.33*	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	518.00	42.03
		For Tempered Low-E Insulated Glass, Add	*86.94*	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	577.92	44.70
		For Tempered Low-E Insulated Glass, Add	*97.70*	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	617.87	46.61
		For Tempered Low-E Insulated Glass, Add	*105.08*	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	677.04	48.91
		For Tempered Low-E Insulated Glass, Add	*115.85*	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	719.31	51.20
		For Tempered Low-E Insulated Glass, Add	*123.53*	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	778.48	53.49
		For Tempered Low-E Insulated Glass, Add	*134.30*	

08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	432.78	38.21
		For Tempered Low-E Insulated Glass, Add	*71.27*	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	457.23	39.35
		For Tempered Low-E Insulated Glass, Add	*75.70*	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	490.29	40.88
		For Tempered Low-E Insulated Glass, Add	*81.70*	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	528.01	42.80
		For Tempered Low-E Insulated Glass, Add	*88.48*	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	582.37	45.85
		For Tempered Low-E Insulated Glass, Add	*98.13*	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	619.34	47.38
		For Tempered Low-E Insulated Glass, Add	*104.92*	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	672.94	50.43
		For Tempered Low-E Insulated Glass, Add	*114.57*	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	709.36	51.96
		For Tempered Low-E Insulated Glass, Add	*121.09*	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	762.96	54.64
		For Tempered Low-E Insulated Glass, Add	*130.74*	

08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	490.29	40.88
		For Tempered Low-E Insulated Glass, Add	*81.70*	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	539.50	42.42
		For Tempered Low-E Insulated Glass, Add	*90.94*	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	580.24	44.32
		For Tempered Low-E Insulated Glass, Add	*98.32*	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	641.70	47.38
		For Tempered Low-E Insulated Glass, Add	*109.39*	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	681.65	48.91
		For Tempered Low-E Insulated Glass, Add	*116.77*	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	740.83	51.96
		For Tempered Low-E Insulated Glass, Add	*127.53*	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	781.55	53.49
		For Tempered Low-E Insulated Glass, Add	*134.91*	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	840.71	56.17
		For Tempered Low-E Insulated Glass, Add	*145.68*	

08 52 16 00-0756 Horizontal Sliding Wood Clad Windows *(08 52 16)*

Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes

08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0756)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0758		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	396.01	40.50
		For Tempered Clear Insulated Glass, Add	*63.15*	
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	364.11	37.44
		For Tempered Clear Insulated Glass, Add	*57.69*	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	426.40	42.80
		For Tempered Clear Insulated Glass, Add	*68.32*	
08 52 16 00-0763		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	426.40	42.80
		For Tempered Clear Insulated Glass, Add	*68.32*	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	488.71	47.38
		For Tempered Clear Insulated Glass, Add	*78.94*	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	551.02	51.58
		For Tempered Clear Insulated Glass, Add	*89.57*	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	613.32	56.17
		For Tempered Clear Insulated Glass, Add	*100.20*	
08 52 16 00-0768		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	458.32	45.08
		For Tempered Clear Insulated Glass, Add	*73.78*	
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	519.11	49.68
		For Tempered Clear Insulated Glass, Add	*84.11*	
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	581.41	53.88
		For Tempered Clear Insulated Glass, Add	*94.73*	
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	696.85	58.46
		For Tempered Clear Insulated Glass, Add	*115.99*	
08 52 16 00-0773		47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	488.71	47.38
		For Tempered Clear Insulated Glass, Add	*78.94*	
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	551.02	51.96
		For Tempered Clear Insulated Glass, Add	*89.57*	
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	613.32	56.17
		For Tempered Clear Insulated Glass, Add	*100.20*	
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	675.63	60.75
		For Tempered Clear Insulated Glass, Add	*110.82*	
08 52 16 00-0778		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	581.41	54.26
		For Tempered Clear Insulated Glass, Add	*94.73*	
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	643.72	58.46
		For Tempered Clear Insulated Glass, Add	*105.36*	
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	706.02	63.05
		For Tempered Clear Insulated Glass, Add	*115.99*	
08 52 16 00-0782		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	613.32	56.55
		For Tempered Clear Insulated Glass, Add	*100.20*	
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	675.63	60.75
		For Tempered Clear Insulated Glass, Add	*110.82*	
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	738.05	65.34
		For Tempered Clear Insulated Glass, Add	*121.47*	
08 52 16 00-0786		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	896.82	37.44
		For Tempered Low-E Insulated Glass, Add	*164.23*	
08 52 16 00-0789	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,068.42	42.80
		For Tempered Low-E Insulated Glass, Add	*196.72*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0790		**35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0791	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,082.09	42.80
		For Tempered Low-E Insulated Glass, Add	*199.45*	
08 52 16 00-0792	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,255.22	47.38
		For Tempered Low-E Insulated Glass, Add	*232.25*	
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,426.84	51.58
		For Tempered Low-E Insulated Glass, Add	*264.73*	
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,598.44	56.17
		For Tempered Low-E Insulated Glass, Add	*297.22*	
08 52 16 00-0795		**41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,168.66	45.08
		For Tempered Low-E Insulated Glass, Add	*215.85*	
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,340.27	49.68
		For Tempered Low-E Insulated Glass, Add	*248.34*	
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,513.40	53.88
		For Tempered Low-E Insulated Glass, Add	*281.13*	
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,685.01	58.46
		For Tempered Low-E Insulated Glass, Add	*313.62*	
08 52 16 00-0800		**47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,255.22	47.38
		For Tempered Low-E Insulated Glass, Add	*232.25*	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,426.84	51.96
		For Tempered Low-E Insulated Glass, Add	*264.73*	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,598.44	56.17
		For Tempered Low-E Insulated Glass, Add	*297.22*	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,771.58	60.75
		For Tempered Low-E Insulated Glass, Add	*330.01*	
08 52 16 00-0805		**59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,426.84	51.96
		For Tempered Low-E Insulated Glass, Add	*264.73*	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,598.44	56.55
		For Tempered Low-E Insulated Glass, Add	*297.22*	
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,771.58	60.75
		For Tempered Low-E Insulated Glass, Add	*330.01*	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,943.19	65.34
		For Tempered Low-E Insulated Glass, Add	*362.50*	
08 52 16 00-0810		**Picture Wood Clad Windows** *(08 52 16)*		
		Note: Picture windows are fixed windows.		
08 52 16 00-0811		**Picture Wood Clad Windows For Awning And Casement Windows** *(08 52 16 00-0810)*		
08 52 16 00-0812		**Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** *(08 52 16 00-0811)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813		**12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** *(08 52 16 00-0812)*		
08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	311.65	30.56
		For Tempered Clear Insulated Glass, Add	*50.10*	
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	365.22	33.62
		For Tempered Clear Insulated Glass, Add	*59.59*	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	388.14	35.15
		For Tempered Clear Insulated Glass, Add	*63.57*	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	421.08	38.21
		For Tempered Clear Insulated Glass, Add	*69.08*	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	443.65	39.74
		For Tempered Clear Insulated Glass, Add	*72.84*	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	476.59	42.80
		For Tempered Clear Insulated Glass, Add	*78.35*	
08 52 16 00-0820		**35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** *(08 52 16 00-0812)*		
08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	345.16	37.44
		For Tempered Clear Insulated Glass, Add	*54.05*	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	400.04	39.74
		For Tempered Clear Insulated Glass, Add	*64.27*	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	480.88	42.42
		For Tempered Clear Insulated Glass, Add	*79.21*	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	533.76	43.94
		For Tempered Clear Insulated Glass, Add	*89.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	612.59	46.61
		For Tempered Clear Insulated Glass, Add	*103.87*	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	667.48	48.53
		For Tempered Clear Insulated Glass, Add	*114.08*	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	995.40	51.20
		For Tempered Clear Insulated Glass, Add	*178.60*	

08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	400.04	39.74
		For Tempered Clear Insulated Glass, Add	*64.27*	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	454.92	41.27
		For Tempered Clear Insulated Glass, Add	*74.48*	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	535.77	44.32
		For Tempered Clear Insulated Glass, Add	*89.42*	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	588.64	45.85
		For Tempered Clear Insulated Glass, Add	*99.39*	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	667.48	48.91
		For Tempered Clear Insulated Glass, Add	*114.08*	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	722.36	50.43
		For Tempered Clear Insulated Glass, Add	*124.30*	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	801.19	53.49
		For Tempered Clear Insulated Glass, Add	*138.99*	

08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	480.88	42.80
		For Tempered Clear Insulated Glass, Add	*79.21*	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	535.77	44.32
		For Tempered Clear Insulated Glass, Add	*89.42*	
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	616.61	47.38
		For Tempered Clear Insulated Glass, Add	*104.37*	
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	669.48	48.91
		For Tempered Clear Insulated Glass, Add	*114.33*	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	748.32	51.96
		For Tempered Clear Insulated Glass, Add	*129.03*	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	803.20	53.49
		For Tempered Clear Insulated Glass, Add	*139.24*	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	882.03	56.55
		For Tempered Clear Insulated Glass, Add	*153.94*	

08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	533.76	44.32
		For Tempered Clear Insulated Glass, Add	*89.18*	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	588.64	45.85
		For Tempered Clear Insulated Glass, Add	*99.39*	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	669.48	48.91
		For Tempered Clear Insulated Glass, Add	*114.33*	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	722.36	50.43
		For Tempered Clear Insulated Glass, Add	*124.30*	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	801.19	53.49
		For Tempered Clear Insulated Glass, Add	*138.99*	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	856.08	55.02
		For Tempered Clear Insulated Glass, Add	*149.21*	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,008.39	58.07
		For Tempered Clear Insulated Glass, Add	*178.60*	

08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	612.59	46.61
		For Tempered Clear Insulated Glass, Add	*103.87*	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	667.48	48.91
		For Tempered Clear Insulated Glass, Add	*114.08*	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	748.32	51.58
		For Tempered Clear Insulated Glass, Add	*129.03*	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	801.19	53.11
		For Tempered Clear Insulated Glass, Add	*138.99*	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	880.02	55.79
		For Tempered Clear Insulated Glass, Add	*153.69*	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	934.90	57.69
		For Tempered Clear Insulated Glass, Add	*163.90*	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,013.74	60.37
		For Tempered Clear Insulated Glass, Add	*178.60*	

08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	667.48	48.91
		For Tempered Clear Insulated Glass, Add	*114.08*	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	722.36	50.43
		For Tempered Clear Insulated Glass, Add	*124.30*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	803.20	53.49
		For Tempered Clear Insulated Glass, Add	*139.24*	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	856.08	55.02
		For Tempered Clear Insulated Glass, Add	*149.21*	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,008.39	58.07
		For Tempered Clear Insulated Glass, Add	*178.60*	

08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	746.30	51.20
		For Tempered Clear Insulated Glass, Add	*128.78*	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	801.19	53.49
		For Tempered Clear Insulated Glass, Add	*138.99*	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	882.03	56.17
		For Tempered Clear Insulated Glass, Add	*153.94*	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	934.90	57.69
		For Tempered Clear Insulated Glass, Add	*163.90*	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,013.74	60.37
		For Tempered Clear Insulated Glass, Add	*178.60*	

08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0811)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	370.41	30.56
		For Tempered Low-E Insulated Glass, Add	*61.85*	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	435.11	33.62
		For Tempered Low-E Insulated Glass, Add	*73.57*	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	462.69	35.15
		For Tempered Low-E Insulated Glass, Add	*78.48*	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	502.10	38.21
		For Tempered Low-E Insulated Glass, Add	*85.29*	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	529.07	39.74
		For Tempered Low-E Insulated Glass, Add	*89.92*	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	568.49	42.80
		For Tempered Low-E Insulated Glass, Add	*96.73*	

08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	408.55	37.44
		For Tempered Low-E Insulated Glass, Add	*66.73*	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	475.41	39.74
		For Tempered Low-E Insulated Glass, Add	*79.34*	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	573.78	42.42
		For Tempered Low-E Insulated Glass, Add	*97.79*	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	638.34	43.94
		For Tempered Low-E Insulated Glass, Add	*110.09*	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	734.41	46.61
		For Tempered Low-E Insulated Glass, Add	*128.24*	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	801.28	48.53
		For Tempered Low-E Insulated Glass, Add	*140.84*	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,204.87	51.20
		For Tempered Low-E Insulated Glass, Add	*220.49*	

08 52 16 00-0888 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	475.41	39.74
		For Tempered Low-E Insulated Glass, Add	*79.34*	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	542.27	41.27
		For Tempered Low-E Insulated Glass, Add	*91.95*	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	640.65	44.32
		For Tempered Low-E Insulated Glass, Add	*110.40*	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	705.21	45.85
		For Tempered Low-E Insulated Glass, Add	*122.70*	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	801.28	48.91
		For Tempered Low-E Insulated Glass, Add	*140.84*	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	868.14	50.43
		For Tempered Low-E Insulated Glass, Add	*153.45*	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	964.21	53.49
		For Tempered Low-E Insulated Glass, Add	*171.60*	

08 52 16 00-0896 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	573.78	42.80
		For Tempered Low-E Insulated Glass, Add	*97.79*	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	640.65	44.32
		For Tempered Low-E Insulated Glass, Add	*110.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	739.02	47.38
		For Tempered Low-E Insulated Glass, Add	*128.85*	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	803.57	48.91
		For Tempered Low-E Insulated Glass, Add	*141.15*	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	899.65	51.96
		For Tempered Low-E Insulated Glass, Add	*159.30*	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	966.51	53.49
		For Tempered Low-E Insulated Glass, Add	*171.90*	
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,062.57	56.55
		For Tempered Low-E Insulated Glass, Add	*190.05*	

08 52 16 00-0904 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	638.34	44.32
		For Tempered Low-E Insulated Glass, Add	*110.09*	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	705.21	45.85
		For Tempered Low-E Insulated Glass, Add	*122.70*	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	803.57	48.91
		For Tempered Low-E Insulated Glass, Add	*141.15*	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	868.14	50.43
		For Tempered Low-E Insulated Glass, Add	*153.45*	
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	964.21	53.49
		For Tempered Low-E Insulated Glass, Add	*171.60*	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,031.08	55.02
		For Tempered Low-E Insulated Glass, Add	*184.21*	
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,217.86	58.07
		For Tempered Low-E Insulated Glass, Add	*220.49*	

08 52 16 00-0912 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	734.41	46.61
		For Tempered Low-E Insulated Glass, Add	*128.24*	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	801.28	48.91
		For Tempered Low-E Insulated Glass, Add	*140.84*	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	899.65	51.58
		For Tempered Low-E Insulated Glass, Add	*159.30*	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	964.21	53.11
		For Tempered Low-E Insulated Glass, Add	*171.60*	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,060.27	55.79
		For Tempered Low-E Insulated Glass, Add	*189.74*	
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,127.14	57.69
		For Tempered Low-E Insulated Glass, Add	*202.35*	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,223.21	60.37
		For Tempered Low-E Insulated Glass, Add	*220.49*	

08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	801.28	48.91
		For Tempered Low-E Insulated Glass, Add	*140.84*	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	868.14	50.43
		For Tempered Low-E Insulated Glass, Add	*153.45*	
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	966.51	53.49
		For Tempered Low-E Insulated Glass, Add	*171.90*	
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,031.08	55.02
		For Tempered Low-E Insulated Glass, Add	*184.21*	
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,217.86	58.07
		For Tempered Low-E Insulated Glass, Add	*220.49*	

08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	897.34	51.20
		For Tempered Low-E Insulated Glass, Add	*158.99*	
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	964.21	53.49
		For Tempered Low-E Insulated Glass, Add	*171.60*	
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,062.57	56.17
		For Tempered Low-E Insulated Glass, Add	*190.05*	
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,127.14	57.69
		For Tempered Low-E Insulated Glass, Add	*202.35*	
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,223.21	60.37
		For Tempered Low-E Insulated Glass, Add	*220.49*	

08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0810)*

08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0932)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	442.95	47.76
		For Tempered Clear Insulated Glass, Add	*69.48*	
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	454.77	48.91
		For Tempered Clear Insulated Glass, Add	*71.39*	
08 52 16 00-0937		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	454.77	48.91
		For Tempered Clear Insulated Glass, Add	*71.39*	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	552.14	58.07
		For Tempered Clear Insulated Glass, Add	*87.20*	
08 52 16 00-0940		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	516.65	54.64
		For Tempered Clear Insulated Glass, Add	*81.47*	
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	528.48	55.79
		For Tempered Clear Insulated Glass, Add	*83.38*	
08 52 16 00-0943		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	442.95	48.15
		For Tempered Clear Insulated Glass, Add	*69.48*	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	516.65	54.64
		For Tempered Clear Insulated Glass, Add	*81.47*	
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	454.77	48.91
		For Tempered Clear Insulated Glass, Add	*71.39*	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	528.48	55.79
		For Tempered Clear Insulated Glass, Add	*83.38*	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	552.14	58.07
		For Tempered Clear Insulated Glass, Add	*87.20*	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	577.16	60.37
		For Tempered Clear Insulated Glass, Add	*91.28*	
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	577.16	60.37
		For Tempered Clear Insulated Glass, Add	*91.28*	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	552.14	58.07
		For Tempered Clear Insulated Glass, Add	*87.20*	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	498.27	35.92
		For Tempered Low-E Insulated Glass, Add	*85.29*	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	697.21	45.85
		For Tempered Low-E Insulated Glass, Add	*121.26*	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	727.52	47.00
		For Tempered Low-E Insulated Glass, Add	*126.71*	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	772.99	49.29
		For Tempered Low-E Insulated Glass, Add	*134.88*	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	803.30	51.20
		For Tempered Low-E Insulated Glass, Add	*140.33*	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	865.27	53.88
		For Tempered Low-E Insulated Glass, Add	*151.50*	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	927.24	57.31
		For Tempered Low-E Insulated Glass, Add	*162.68*	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	529.94	37.44
		For Tempered Low-E Insulated Glass, Add	*91.01*	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	727.52	47.38
		For Tempered Low-E Insulated Glass, Add	*126.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	759.20	48.53
		For Tempered Low-E Insulated Glass, Add	*132.43*	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	803.30	50.81
		For Tempered Low-E Insulated Glass, Add	*140.33*	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	834.96	52.73
		For Tempered Low-E Insulated Glass, Add	*146.05*	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	896.94	55.41
		For Tempered Low-E Insulated Glass, Add	*157.23*	
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	958.91	58.84
		For Tempered Low-E Insulated Glass, Add	*168.40*	

08 52 16 00-0972 56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	560.24	38.97
		For Tempered Low-E Insulated Glass, Add	*96.46*	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	759.20	48.91
		For Tempered Low-E Insulated Glass, Add	*132.43*	
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	789.50	50.06
		For Tempered Low-E Insulated Glass, Add	*137.88*	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	834.96	52.34
		For Tempered Low-E Insulated Glass, Add	*146.05*	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	865.27	54.26
		For Tempered Low-E Insulated Glass, Add	*151.50*	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	927.24	56.94
		For Tempered Low-E Insulated Glass, Add	*162.68*	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	990.58	60.37
		For Tempered Low-E Insulated Glass, Add	*174.12*	

08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	591.91	40.50
		For Tempered Low-E Insulated Glass, Add	*102.18*	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	789.50	50.43
		For Tempered Low-E Insulated Glass, Add	*137.88*	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	821.17	51.58
		For Tempered Low-E Insulated Glass, Add	*143.60*	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	865.27	53.88
		For Tempered Low-E Insulated Glass, Add	*151.50*	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	896.94	55.79
		For Tempered Low-E Insulated Glass, Add	*157.23*	
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	958.91	58.46
		For Tempered Low-E Insulated Glass, Add	*168.40*	
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,020.89	61.90
		For Tempered Low-E Insulated Glass, Add	*179.57*	

08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	622.23	42.03
		For Tempered Low-E Insulated Glass, Add	*107.63*	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	821.17	51.96
		For Tempered Low-E Insulated Glass, Add	*143.60*	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	852.84	53.11
		For Tempered Low-E Insulated Glass, Add	*149.32*	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	896.94	55.41
		For Tempered Low-E Insulated Glass, Add	*157.23*	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	927.24	57.31
		For Tempered Low-E Insulated Glass, Add	*162.68*	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	990.58	59.99
		For Tempered Low-E Insulated Glass, Add	*174.12*	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,052.55	63.43
		For Tempered Low-E Insulated Glass, Add	*185.29*	

08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	653.89	43.56
		For Tempered Low-E Insulated Glass, Add	*113.35*	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	852.84	53.49
		For Tempered Low-E Insulated Glass, Add	*149.32*	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	883.14	54.64
		For Tempered Low-E Insulated Glass, Add	*154.77*	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	927.24	56.94
		For Tempered Low-E Insulated Glass, Add	*162.68*	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	958.91	58.84
		For Tempered Low-E Insulated Glass, Add	*168.40*	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,020.89	61.52
		For Tempered Low-E Insulated Glass, Add	*179.57*	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,082.86	64.95
		For Tempered Low-E Insulated Glass, Add	*190.74*	

08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	684.20	45.08
		For Tempered Low-E Insulated Glass, Add	*118.80*	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	883.14	55.02
		For Tempered Low-E Insulated Glass, Add	*154.77*	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	914.81	56.17
		For Tempered Low-E Insulated Glass, Add	*160.50*	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	958.91	58.46
		For Tempered Low-E Insulated Glass, Add	*168.40*	
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	990.58	60.37
		For Tempered Low-E Insulated Glass, Add	*174.12*	
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,052.55	63.05
		For Tempered Low-E Insulated Glass, Add	*185.29*	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,114.52	66.48
		For Tempered Low-E Insulated Glass, Add	*196.46*	

08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	715.86	46.61
		For Tempered Low-E Insulated Glass, Add	*124.53*	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	914.81	56.55
		For Tempered Low-E Insulated Glass, Add	*160.50*	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	945.11	57.69
		For Tempered Low-E Insulated Glass, Add	*165.94*	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	990.58	59.99
		For Tempered Low-E Insulated Glass, Add	*174.12*	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,020.89	61.90
		For Tempered Low-E Insulated Glass, Add	*179.57*	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,082.86	64.57
		For Tempered Low-E Insulated Glass, Add	*190.74*	
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,144.83	68.01
		For Tempered Low-E Insulated Glass, Add	*201.91*	

08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0810)*

08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1020)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	442.95	47.76
		For Tempered Clear Insulated Glass, Add	*69.48*	
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	454.77	48.91
		For Tempered Clear Insulated Glass, Add	*71.39*	

08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	454.77	48.91
		For Tempered Clear Insulated Glass, Add	*71.39*	
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	552.14	58.07
		For Tempered Clear Insulated Glass, Add	*87.20*	

08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	516.65	54.64
		For Tempered Clear Insulated Glass, Add	*81.47*	
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	528.48	55.79
		For Tempered Clear Insulated Glass, Add	*83.38*	

08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	442.95	48.15
		For Tempered Clear Insulated Glass, Add	*69.48*	
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	516.65	54.64
		For Tempered Clear Insulated Glass, Add	*81.47*	

08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	454.77	48.91
		For Tempered Clear Insulated Glass, Add	*71.39*	
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	528.48	55.79
		For Tempered Clear Insulated Glass, Add	*83.38*	
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	552.14	58.07
		For Tempered Clear Insulated Glass, Add	*87.20*	
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	577.16	60.37
		For Tempered Clear Insulated Glass, Add	*91.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1039		**65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1021)*		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	577.16	60.37
		For Tempered Clear Insulated Glass, Add	*91.28*	
08 52 16 00-1041		**71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1021)*		
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	552.14	58.07
		For Tempered Clear Insulated Glass, Add	*87.20*	
08 52 16 00-1043		**Basement Wood Clad Windows** *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044		**Basement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-1043)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	233.20	30.56
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	246.12	30.56
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	257.49	30.56
08 52 16 00-1048		**Factory Installed Grilles For Wood Clad Windows** *(08 52 16)*		
08 52 16 00-1049		**Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows** *(08 52 16 00-1048)*		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	33.62	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	49.54	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	67.24	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	84.93	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	120.32	
08 52 16 00-1055		**Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows** *(08 52 16 00-1048)*		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	53.79	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	79.27	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	107.58	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	135.89	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	192.51	
08 52 16 00-1061		**Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows** *(08 52 16 00-1048)*		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	64.55	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	95.12	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	129.10	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	163.07	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	231.01	
08 52 16 00-1067		**Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows** *(08 52 16 00-1048)*		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	77.46	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	114.14	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	154.91	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	195.68	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	277.21	
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		**Insect Screens For Wood Clad Windows** *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	35.93	6.90
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	42.26	6.90
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	45.42	6.90
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	51.74	6.90
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	64.39	6.90
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	70.72	6.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	77.04	6.90
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	83.36	6.90
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	2.51	0.14

08 53 Plastic Windows *(08 50)*

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001 Single Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.38	35.15
		For Colored Vinyl, Add	*12.91*	
		For Tinted Glass, Add	*15.49*	
		For Low-E Insulated Glass, Add	*32.27*	
		For Obscure Glass, Add	*35.49*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	209.62	36.69
		For Colored Vinyl, Add	*13.63*	
		For Tinted Glass, Add	*16.35*	
		For Low-E Insulated Glass, Add	*34.07*	
		For Obscure Glass, Add	*37.47*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.93	37.44
		For Colored Vinyl, Add	*13.90*	
		For Tinted Glass, Add	*16.68*	
		For Low-E Insulated Glass, Add	*34.76*	
		For Obscure Glass, Add	*38.24*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	218.60	38.21
		For Colored Vinyl, Add	*14.22*	
		For Tinted Glass, Add	*17.06*	
		For Low-E Insulated Glass, Add	*35.55*	
		For Obscure Glass, Add	*39.10*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.45	39.74
		For Colored Vinyl, Add	*15.10*	
		For Tinted Glass, Add	*18.12*	
		For Low-E Insulated Glass, Add	*37.75*	
		For Obscure Glass, Add	*41.52*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.86	42.80
		For Colored Vinyl, Add	*16.43*	
		For Tinted Glass, Add	*19.71*	
		For Low-E Insulated Glass, Add	*41.07*	
		For Obscure Glass, Add	*45.17*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.43	35.92
		For Colored Vinyl, Add	*13.16*	
		For Tinted Glass, Add	*15.79*	
		For Low-E Insulated Glass, Add	*32.90*	
		For Obscure Glass, Add	*36.19*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.69	36.69
		For Colored Vinyl, Add	*13.88*	
		For Tinted Glass, Add	*16.66*	
		For Low-E Insulated Glass, Add	*34.70*	
		For Obscure Glass, Add	*38.17*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.99	38.21
		For Colored Vinyl, Add	*14.16*	
		For Tinted Glass, Add	*16.99*	
		For Low-E Insulated Glass, Add	*35.39*	
		For Obscure Glass, Add	*38.93*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.65	38.97
		For Colored Vinyl, Add	*14.47*	
		For Tinted Glass, Add	*17.37*	
		For Low-E Insulated Glass, Add	*36.18*	
		For Obscure Glass, Add	*39.80*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.51	40.50
		For Colored Vinyl, Add	*15.35*	
		For Tinted Glass, Add	*18.42*	
		For Low-E Insulated Glass, Add	*38.38*	
		For Obscure Glass, Add	*42.22*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.92	43.56
		For Colored Vinyl, Add	*16.68*	
		For Tinted Glass, Add	*20.02*	
		For Low-E Insulated Glass, Add	*41.70*	
		For Obscure Glass, Add	*45.87*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	207.37	36.69
		For Colored Vinyl, Add	*13.40*	
		For Tinted Glass, Add	*16.08*	
		For Low-E Insulated Glass, Add	*33.50*	
		For Obscure Glass, Add	*36.85*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.63	38.21
		For Colored Vinyl, Add	*14.12*	
		For Tinted Glass, Add	*16.95*	
		For Low-E Insulated Glass, Add	*35.30*	
		For Obscure Glass, Add	*38.83*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.09	38.97
		For Colored Vinyl, Add	*14.42*	
		For Tinted Glass, Add	*17.30*	
		For Low-E Insulated Glass, Add	*36.04*	
		For Obscure Glass, Add	*39.64*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.76	39.74
		For Colored Vinyl, Add	*14.73*	
		For Tinted Glass, Add	*17.67*	
		For Low-E Insulated Glass, Add	*36.82*	
		For Obscure Glass, Add	*40.50*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	238.80	41.27
		For Colored Vinyl, Add	*15.63*	
		For Tinted Glass, Add	*18.75*	
		For Low-E Insulated Glass, Add	*39.07*	
		For Obscure Glass, Add	*42.97*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.45	44.32
		For Colored Vinyl, Add	*16.98*	
		For Tinted Glass, Add	*20.38*	
		For Low-E Insulated Glass, Add	*42.45*	
		For Obscure Glass, Add	*46.70*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.41	38.97
		For Colored Vinyl, Add	*14.15*	
		For Tinted Glass, Add	*16.98*	
		For Low-E Insulated Glass, Add	*35.37*	
		For Obscure Glass, Add	*38.90*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.67	40.50
		For Colored Vinyl, Add	*14.87*	
		For Tinted Glass, Add	*17.84*	
		For Low-E Insulated Glass, Add	*37.17*	
		For Obscure Glass, Add	*40.88*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.66	41.27
		For Colored Vinyl, Add	*15.21*	
		For Tinted Glass, Add	*18.26*	
		For Low-E Insulated Glass, Add	*38.03*	
		For Obscure Glass, Add	*41.84*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.34	42.03
		For Colored Vinyl, Add	*15.53*	
		For Tinted Glass, Add	*18.63*	
		For Low-E Insulated Glass, Add	*38.82*	
		For Obscure Glass, Add	*42.70*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.90	43.56
		For Colored Vinyl, Add	*16.48*	
		For Tinted Glass, Add	*19.77*	
		For Low-E Insulated Glass, Add	*41.20*	
		For Obscure Glass, Add	*45.31*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	272.21	46.61
		For Colored Vinyl, Add	*17.90*	
		For Tinted Glass, Add	*21.48*	
		For Low-E Insulated Glass, Add	*44.75*	
		For Obscure Glass, Add	*49.22*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	223.48	39.74
		For Colored Vinyl, Add	*14.40*	
		For Tinted Glass, Add	*17.28*	
		For Low-E Insulated Glass, Add	*36.00*	
		For Obscure Glass, Add	*39.60*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.73	41.27
		For Colored Vinyl, Add	*15.12*	
		For Tinted Glass, Add	*18.14*	
		For Low-E Insulated Glass, Add	*37.80*	
		For Obscure Glass, Add	*41.58*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	238.90	42.03
		For Colored Vinyl, Add	*15.48*	
		For Tinted Glass, Add	*18.58*	
		For Low-E Insulated Glass, Add	*38.71*	
		For Obscure Glass, Add	*42.58*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.56	42.80
		For Colored Vinyl, Add	*15.80*	
		For Tinted Glass, Add	*18.96*	
		For Low-E Insulated Glass, Add	*39.49*	
		For Obscure Glass, Add	*43.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	256.28	44.32
		For Colored Vinyl, Add	*16.76*	
		For Tinted Glass, Add	*20.12*	
		For Low-E Insulated Glass, Add	*41.91*	
		For Obscure Glass, Add	*46.10*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	276.84	47.38
		For Colored Vinyl, Add	*18.21*	
		For Tinted Glass, Add	*21.85*	
		For Low-E Insulated Glass, Add	*45.52*	
		For Obscure Glass, Add	*50.07*	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	227.58	40.50
		For Colored Vinyl, Add	*14.66*	
		For Tinted Glass, Add	*17.59*	
		For Low-E Insulated Glass, Add	*36.65*	
		For Obscure Glass, Add	*40.31*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.84	42.03
		For Colored Vinyl, Add	*15.38*	
		For Tinted Glass, Add	*18.45*	
		For Low-E Insulated Glass, Add	*38.44*	
		For Obscure Glass, Add	*42.29*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.15	42.80
		For Colored Vinyl, Add	*15.76*	
		For Tinted Glass, Add	*18.91*	
		For Low-E Insulated Glass, Add	*39.39*	
		For Obscure Glass, Add	*43.33*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	247.82	43.56
		For Colored Vinyl, Add	*16.07*	
		For Tinted Glass, Add	*19.28*	
		For Low-E Insulated Glass, Add	*40.18*	
		For Obscure Glass, Add	*44.19*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	260.73	45.08
		For Colored Vinyl, Add	*17.06*	
		For Tinted Glass, Add	*20.47*	
		For Low-E Insulated Glass, Add	*42.64*	
		For Obscure Glass, Add	*46.90*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	281.51	48.15
		For Colored Vinyl, Add	*18.52*	
		For Tinted Glass, Add	*22.23*	
		For Low-E Insulated Glass, Add	*46.31*	
		For Obscure Glass, Add	*50.94*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	231.52	41.27
		For Colored Vinyl, Add	*14.90*	
		For Tinted Glass, Add	*17.88*	
		For Low-E Insulated Glass, Add	*37.25*	
		For Obscure Glass, Add	*40.97*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.77	42.80
		For Colored Vinyl, Add	*15.62*	
		For Tinted Glass, Add	*18.74*	
		For Low-E Insulated Glass, Add	*39.05*	
		For Obscure Glass, Add	*42.95*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	247.28	43.56
		For Colored Vinyl, Add	*16.02*	
		For Tinted Glass, Add	*19.22*	
		For Low-E Insulated Glass, Add	*40.04*	
		For Obscure Glass, Add	*44.04*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.95	44.32
		For Colored Vinyl, Add	*16.33*	
		For Tinted Glass, Add	*19.60*	
		For Low-E Insulated Glass, Add	*40.83*	
		For Obscure Glass, Add	*44.91*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	265.01	45.85
		For Colored Vinyl, Add	*17.33*	
		For Tinted Glass, Add	*20.80*	
		For Low-E Insulated Glass, Add	*43.33*	
		For Obscure Glass, Add	*47.66*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	286.01	48.91
		For Colored Vinyl, Add	*18.82*	
		For Tinted Glass, Add	*22.58*	
		For Low-E Insulated Glass, Add	*47.05*	
		For Obscure Glass, Add	*51.76*	

08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.49	42.03
		For Colored Vinyl, Add	*15.14*	
		For Tinted Glass, Add	*18.17*	
		For Low-E Insulated Glass, Add	*37.86*	
		For Obscure Glass, Add	*41.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	245.74	43.56
		For Colored Vinyl, Add	*15.86*	
		For Tinted Glass, Add	*19.03*	
		For Low-E Insulated Glass, Add	*39.66*	
		For Obscure Glass, Add	*43.62*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.42	44.32
		For Colored Vinyl, Add	*16.28*	
		For Tinted Glass, Add	*19.53*	
		For Low-E Insulated Glass, Add	*40.69*	
		For Obscure Glass, Add	*44.76*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	256.09	45.08
		For Colored Vinyl, Add	*16.59*	
		For Tinted Glass, Add	*19.91*	
		For Low-E Insulated Glass, Add	*41.48*	
		For Obscure Glass, Add	*45.63*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	269.34	46.61
		For Colored Vinyl, Add	*17.61*	
		For Tinted Glass, Add	*21.13*	
		For Low-E Insulated Glass, Add	*44.03*	
		For Obscure Glass, Add	*48.43*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	290.56	49.68
		For Colored Vinyl, Add	*19.12*	
		For Tinted Glass, Add	*22.95*	
		For Low-E Insulated Glass, Add	*47.81*	
		For Obscure Glass, Add	*52.59*	

08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.44	42.80
		For Colored Vinyl, Add	*15.39*	
		For Tinted Glass, Add	*18.46*	
		For Low-E Insulated Glass, Add	*38.46*	
		For Obscure Glass, Add	*42.31*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.70	44.32
		For Colored Vinyl, Add	*16.11*	
		For Tinted Glass, Add	*19.33*	
		For Low-E Insulated Glass, Add	*40.26*	
		For Obscure Glass, Add	*44.29*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	255.54	45.08
		For Colored Vinyl, Add	*16.54*	
		For Tinted Glass, Add	*19.84*	
		For Low-E Insulated Glass, Add	*41.34*	
		For Obscure Glass, Add	*45.47*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	260.21	45.85
		For Colored Vinyl, Add	*16.85*	
		For Tinted Glass, Add	*20.22*	
		For Low-E Insulated Glass, Add	*42.13*	
		For Obscure Glass, Add	*46.34*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	273.62	47.38
		For Colored Vinyl, Add	*17.89*	
		For Tinted Glass, Add	*21.46*	
		For Low-E Insulated Glass, Add	*44.72*	
		For Obscure Glass, Add	*49.19*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	295.07	50.43
		For Colored Vinyl, Add	*19.42*	
		For Tinted Glass, Add	*23.30*	
		For Low-E Insulated Glass, Add	*48.55*	
		For Obscure Glass, Add	*53.41*	

08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.63	45.08
		For Colored Vinyl, Add	*16.15*	
		For Tinted Glass, Add	*19.37*	
		For Low-E Insulated Glass, Add	*40.36*	
		For Obscure Glass, Add	*44.40*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	261.88	46.61
		For Colored Vinyl, Add	*16.87*	
		For Tinted Glass, Add	*20.24*	
		For Low-E Insulated Glass, Add	*42.16*	
		For Obscure Glass, Add	*46.38*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	268.21	47.38
		For Colored Vinyl, Add	*17.35*	
		For Tinted Glass, Add	*20.81*	
		For Low-E Insulated Glass, Add	*43.36*	
		For Obscure Glass, Add	*47.70*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	272.88	48.15
		For Colored Vinyl, Add	*17.66*	
		For Tinted Glass, Add	*21.19*	
		For Low-E Insulated Glass, Add	*44.15*	
		For Obscure Glass, Add	*48.56*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	286.81	49.68
		For Colored Vinyl, Add	*18.75*	
		For Tinted Glass, Add	*22.50*	
		For Low-E Insulated Glass, Add	*46.87*	
		For Obscure Glass, Add	*51.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	308.95	52.73
		For Colored Vinyl, Add	*20.35*	
		For Tinted Glass, Add	*24.42*	
		For Low-E Insulated Glass, Add	*50.88*	
		For Obscure Glass, Add	*55.96*	

08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	255.59	45.85
		For Colored Vinyl, Add	*16.39*	
		For Tinted Glass, Add	*19.67*	
		For Low-E Insulated Glass, Add	*40.97*	
		For Obscure Glass, Add	*45.07*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	265.84	47.38
		For Colored Vinyl, Add	*17.11*	
		For Tinted Glass, Add	*20.53*	
		For Low-E Insulated Glass, Add	*42.77*	
		For Obscure Glass, Add	*47.05*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	272.38	48.15
		For Colored Vinyl, Add	*17.61*	
		For Tinted Glass, Add	*21.13*	
		For Low-E Insulated Glass, Add	*44.02*	
		For Obscure Glass, Add	*48.42*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	277.04	48.91
		For Colored Vinyl, Add	*17.92*	
		For Tinted Glass, Add	*21.51*	
		For Low-E Insulated Glass, Add	*44.81*	
		For Obscure Glass, Add	*49.29*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	291.14	50.43
		For Colored Vinyl, Add	*19.03*	
		For Tinted Glass, Add	*22.83*	
		For Low-E Insulated Glass, Add	*47.57*	
		For Obscure Glass, Add	*52.32*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	313.53	53.49
		For Colored Vinyl, Add	*20.65*	
		For Tinted Glass, Add	*24.78*	
		For Low-E Insulated Glass, Add	*51.64*	
		For Obscure Glass, Add	*56.80*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	263.63	47.38
		For Colored Vinyl, Add	*16.89*	
		For Tinted Glass, Add	*20.26*	
		For Low-E Insulated Glass, Add	*42.22*	
		For Obscure Glass, Add	*46.44*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	273.87	48.91
		For Colored Vinyl, Add	*17.61*	
		For Tinted Glass, Add	*21.13*	
		For Low-E Insulated Glass, Add	*44.02*	
		For Obscure Glass, Add	*48.42*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	280.73	49.68
		For Colored Vinyl, Add	*18.14*	
		For Tinted Glass, Add	*21.77*	
		For Low-E Insulated Glass, Add	*45.35*	
		For Obscure Glass, Add	*49.88*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	285.41	50.43
		For Colored Vinyl, Add	*18.45*	
		For Tinted Glass, Add	*22.14*	
		For Low-E Insulated Glass, Add	*46.14*	
		For Obscure Glass, Add	*50.75*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	299.88	51.96
		For Colored Vinyl, Add	*19.60*	
		For Tinted Glass, Add	*23.51*	
		For Low-E Insulated Glass, Add	*48.99*	
		For Obscure Glass, Add	*53.89*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	322.69	55.02
		For Colored Vinyl, Add	*21.26*	
		For Tinted Glass, Add	*25.52*	
		For Low-E Insulated Glass, Add	*53.16*	
		For Obscure Glass, Add	*58.48*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	275.81	49.68
		For Colored Vinyl, Add	*17.65*	
		For Tinted Glass, Add	*21.18*	
		For Low-E Insulated Glass, Add	*44.12*	
		For Obscure Glass, Add	*48.53*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	286.06	51.20
		For Colored Vinyl, Add	*18.37*	
		For Tinted Glass, Add	*22.04*	
		For Low-E Insulated Glass, Add	*45.92*	
		For Obscure Glass, Add	*50.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	292.92	51.96
		For Colored Vinyl, Add	*18.90*	
		For Tinted Glass, Add	*22.68*	
		For Low-E Insulated Glass, Add	*47.25*	
		For Obscure Glass, Add	*51.97*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	297.59	52.73
		For Colored Vinyl, Add	*19.21*	
		For Tinted Glass, Add	*23.06*	
		For Low-E Insulated Glass, Add	*48.04*	
		For Obscure Glass, Add	*52.84*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	312.06	54.26
		For Colored Vinyl, Add	*20.35*	
		For Tinted Glass, Add	*24.42*	
		For Low-E Insulated Glass, Add	*50.89*	
		For Obscure Glass, Add	*55.97*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	334.87	57.31
		For Colored Vinyl, Add	*22.02*	
		For Tinted Glass, Add	*26.43*	
		For Low-E Insulated Glass, Add	*55.06*	
		For Obscure Glass, Add	*60.57*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	287.35	40.12
		For Colored Vinyl, Add	*20.71*	
		For Tinted Glass, Add	*24.85*	
		For Low-E Insulated Glass, Add	*51.78*	
		For Obscure Glass, Add	*56.96*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	314.95	43.94
		For Colored Vinyl, Add	*22.71*	
		For Tinted Glass, Add	*27.25*	
		For Low-E Insulated Glass, Add	*56.77*	
		For Obscure Glass, Add	*62.44*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	340.54	47.76
		For Colored Vinyl, Add	*24.50*	
		For Tinted Glass, Add	*29.40*	
		For Low-E Insulated Glass, Add	*61.25*	
		For Obscure Glass, Add	*67.38*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	359.02	51.58
		For Colored Vinyl, Add	*25.59*	
		For Tinted Glass, Add	*30.70*	
		For Low-E Insulated Glass, Add	*63.96*	
		For Obscure Glass, Add	*70.36*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	378.31	55.41
		For Colored Vinyl, Add	*26.75*	
		For Tinted Glass, Add	*32.10*	
		For Low-E Insulated Glass, Add	*66.88*	
		For Obscure Glass, Add	*73.56*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	410.27	59.22
		For Colored Vinyl, Add	*29.18*	
		For Tinted Glass, Add	*35.02*	
		For Low-E Insulated Glass, Add	*72.96*	
		For Obscure Glass, Add	*80.25*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	3.43	0.49
		For Colored Vinyl, Add	*0.24*	
		For Tinted Glass, Add	*0.29*	
		For Low-E Insulated Glass, Add	*0.61*	
		For Obscure Glass, Add	*0.67*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	277.34	35.15
		For Colored Vinyl, Add	*20.70*	
		For Tinted Glass, Add	*24.84*	
		For Low-E Insulated Glass, Add	*51.76*	
		For Obscure Glass, Add	*56.93*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	287.58	36.69
		For Colored Vinyl, Add	*21.42*	
		For Tinted Glass, Add	*25.71*	
		For Low-E Insulated Glass, Add	*53.56*	
		For Obscure Glass, Add	*58.91*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	292.56	37.44
		For Colored Vinyl, Add	*21.77*	
		For Tinted Glass, Add	*26.12*	
		For Low-E Insulated Glass, Add	*54.42*	
		For Obscure Glass, Add	*59.86*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	297.23	38.21
		For Colored Vinyl, Add	*22.08*	
		For Tinted Glass, Add	*26.50*	
		For Low-E Insulated Glass, Add	*55.20*	
		For Obscure Glass, Add	*60.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	308.41	39.74
		For Colored Vinyl, Add	*22.89*	
		For Tinted Glass, Add	*27.47*	
		For Low-E Insulated Glass, Add	*57.24*	
		For Obscure Glass, Add	*62.96*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	326.95	42.80
		For Colored Vinyl, Add	*24.14*	
		For Tinted Glass, Add	*28.96*	
		For Low-E Insulated Glass, Add	*60.34*	
		For Obscure Glass, Add	*66.37*	

08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	281.39	35.92
		For Colored Vinyl, Add	*20.96*	
		For Tinted Glass, Add	*25.15*	
		For Low-E Insulated Glass, Add	*52.39*	
		For Obscure Glass, Add	*57.63*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	291.65	37.44
		For Colored Vinyl, Add	*21.68*	
		For Tinted Glass, Add	*26.01*	
		For Low-E Insulated Glass, Add	*54.19*	
		For Obscure Glass, Add	*59.61*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	296.62	38.21
		For Colored Vinyl, Add	*22.02*	
		For Tinted Glass, Add	*26.42*	
		For Low-E Insulated Glass, Add	*55.05*	
		For Obscure Glass, Add	*60.56*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	301.28	38.97
		For Colored Vinyl, Add	*22.33*	
		For Tinted Glass, Add	*26.80*	
		For Low-E Insulated Glass, Add	*55.84*	
		For Obscure Glass, Add	*61.42*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	312.47	40.50
		For Colored Vinyl, Add	*23.15*	
		For Tinted Glass, Add	*27.78*	
		For Low-E Insulated Glass, Add	*57.87*	
		For Obscure Glass, Add	*63.65*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	331.01	43.56
		For Colored Vinyl, Add	*24.39*	
		For Tinted Glass, Add	*29.27*	
		For Low-E Insulated Glass, Add	*60.97*	
		For Obscure Glass, Add	*67.07*	

08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	285.09	36.69
		For Colored Vinyl, Add	*21.17*	
		For Tinted Glass, Add	*25.41*	
		For Low-E Insulated Glass, Add	*52.93*	
		For Obscure Glass, Add	*58.23*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	295.35	38.21
		For Colored Vinyl, Add	*21.89*	
		For Tinted Glass, Add	*26.27*	
		For Low-E Insulated Glass, Add	*54.73*	
		For Obscure Glass, Add	*60.21*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	300.45	38.97
		For Colored Vinyl, Add	*22.25*	
		For Tinted Glass, Add	*26.70*	
		For Low-E Insulated Glass, Add	*55.63*	
		For Obscure Glass, Add	*61.19*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	305.12	39.74
		For Colored Vinyl, Add	*22.57*	
		For Tinted Glass, Add	*27.08*	
		For Low-E Insulated Glass, Add	*56.41*	
		For Obscure Glass, Add	*62.05*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	316.51	41.27
		For Colored Vinyl, Add	*23.40*	
		For Tinted Glass, Add	*28.08*	
		For Low-E Insulated Glass, Add	*58.50*	
		For Obscure Glass, Add	*64.34*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	335.26	44.32
		For Colored Vinyl, Add	*24.66*	
		For Tinted Glass, Add	*29.59*	
		For Low-E Insulated Glass, Add	*61.65*	
		For Obscure Glass, Add	*67.82*	

08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	297.56	38.97
		For Colored Vinyl, Add	*21.96*	
		For Tinted Glass, Add	*26.35*	
		For Low-E Insulated Glass, Add	*54.91*	
		For Obscure Glass, Add	*60.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	307.81	40.50
		For Colored Vinyl, Add	*22.68*	
		For Tinted Glass, Add	*27.22*	
		For Low-E Insulated Glass, Add	*56.70*	
		For Obscure Glass, Add	*62.37*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	312.10	41.27
		For Colored Vinyl, Add	*22.96*	
		For Tinted Glass, Add	*27.55*	
		For Low-E Insulated Glass, Add	*57.39*	
		For Obscure Glass, Add	*63.13*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	316.78	42.03
		For Colored Vinyl, Add	*23.27*	
		For Tinted Glass, Add	*27.93*	
		For Low-E Insulated Glass, Add	*58.18*	
		For Obscure Glass, Add	*64.00*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.60	43.56
		For Colored Vinyl, Add	*24.15*	
		For Tinted Glass, Add	*28.98*	
		For Low-E Insulated Glass, Add	*60.37*	
		For Obscure Glass, Add	*66.41*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	348.35	46.61
		For Colored Vinyl, Add	*25.51*	
		For Tinted Glass, Add	*30.61*	
		For Low-E Insulated Glass, Add	*63.78*	
		For Obscure Glass, Add	*70.16*	

08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	301.23	39.74
		For Colored Vinyl, Add	*22.18*	
		For Tinted Glass, Add	*26.61*	
		For Low-E Insulated Glass, Add	*55.44*	
		For Obscure Glass, Add	*60.98*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	311.49	41.27
		For Colored Vinyl, Add	*22.90*	
		For Tinted Glass, Add	*27.48*	
		For Low-E Insulated Glass, Add	*57.24*	
		For Obscure Glass, Add	*62.96*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	316.01	42.03
		For Colored Vinyl, Add	*23.19*	
		For Tinted Glass, Add	*27.83*	
		For Low-E Insulated Glass, Add	*57.99*	
		For Obscure Glass, Add	*63.78*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	320.67	42.80
		For Colored Vinyl, Add	*23.51*	
		For Tinted Glass, Add	*28.21*	
		For Low-E Insulated Glass, Add	*58.77*	
		For Obscure Glass, Add	*64.65*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	332.64	44.32
		For Colored Vinyl, Add	*24.40*	
		For Tinted Glass, Add	*29.28*	
		For Low-E Insulated Glass, Add	*61.00*	
		For Obscure Glass, Add	*67.10*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	353.00	47.38
		For Colored Vinyl, Add	*25.82*	
		For Tinted Glass, Add	*30.99*	
		For Low-E Insulated Glass, Add	*64.56*	
		For Obscure Glass, Add	*71.02*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	304.95	40.50
		For Colored Vinyl, Add	*22.40*	
		For Tinted Glass, Add	*26.87*	
		For Low-E Insulated Glass, Add	*55.99*	
		For Obscure Glass, Add	*61.59*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	315.22	42.03
		For Colored Vinyl, Add	*23.12*	
		For Tinted Glass, Add	*27.74*	
		For Low-E Insulated Glass, Add	*57.79*	
		For Obscure Glass, Add	*63.57*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	319.84	42.80
		For Colored Vinyl, Add	*23.43*	
		For Tinted Glass, Add	*28.11*	
		For Low-E Insulated Glass, Add	*58.56*	
		For Obscure Glass, Add	*64.42*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	324.51	43.56
		For Colored Vinyl, Add	*23.74*	
		For Tinted Glass, Add	*28.49*	
		For Low-E Insulated Glass, Add	*59.35*	
		For Obscure Glass, Add	*65.28*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	336.69	45.08
		For Colored Vinyl, Add	*24.65*	
		For Tinted Glass, Add	*29.58*	
		For Low-E Insulated Glass, Add	*61.63*	
		For Obscure Glass, Add	*67.79*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0145		EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	357.57	48.15
			For Colored Vinyl, Add	*26.13*	
			For Tinted Glass, Add	*31.35*	
			For Low-E Insulated Glass, Add	*65.32*	
			For Obscure Glass, Add	*71.85*	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0147		EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	308.63	41.27
			For Colored Vinyl, Add	*22.61*	
			For Tinted Glass, Add	*27.13*	
			For Low-E Insulated Glass, Add	*56.53*	
			For Obscure Glass, Add	*62.18*	
08 53 13 00-0148		EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	318.88	42.80
			For Colored Vinyl, Add	*23.33*	
			For Tinted Glass, Add	*27.99*	
			For Low-E Insulated Glass, Add	*58.32*	
			For Obscure Glass, Add	*64.15*	
08 53 13 00-0149		EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	323.72	43.56
			For Colored Vinyl, Add	*23.66*	
			For Tinted Glass, Add	*28.39*	
			For Low-E Insulated Glass, Add	*59.15*	
			For Obscure Glass, Add	*65.07*	
08 53 13 00-0150		EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.39	44.32
			For Colored Vinyl, Add	*23.97*	
			For Tinted Glass, Add	*28.77*	
			For Low-E Insulated Glass, Add	*59.94*	
			For Obscure Glass, Add	*65.93*	
08 53 13 00-0151		EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	340.72	45.85
			For Colored Vinyl, Add	*24.90*	
			For Tinted Glass, Add	*29.88*	
			For Low-E Insulated Glass, Add	*62.26*	
			For Obscure Glass, Add	*68.48*	
08 53 13 00-0152		EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	362.19	48.91
			For Colored Vinyl, Add	*26.44*	
			For Tinted Glass, Add	*31.73*	
			For Low-E Insulated Glass, Add	*66.10*	
			For Obscure Glass, Add	*72.70*	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0154		EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	312.34	42.03
			For Colored Vinyl, Add	*22.83*	
			For Tinted Glass, Add	*27.39*	
			For Low-E Insulated Glass, Add	*57.07*	
			For Obscure Glass, Add	*62.77*	
08 53 13 00-0155		EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	322.58	43.56
			For Colored Vinyl, Add	*23.55*	
			For Tinted Glass, Add	*28.26*	
			For Low-E Insulated Glass, Add	*58.87*	
			For Obscure Glass, Add	*64.75*	
08 53 13 00-0156		EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	327.56	44.32
			For Colored Vinyl, Add	*23.89*	
			For Tinted Glass, Add	*28.67*	
			For Low-E Insulated Glass, Add	*59.73*	
			For Obscure Glass, Add	*65.70*	
08 53 13 00-0157		EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	332.23	45.08
			For Colored Vinyl, Add	*24.21*	
			For Tinted Glass, Add	*29.05*	
			For Low-E Insulated Glass, Add	*60.51*	
			For Obscure Glass, Add	*66.56*	
08 53 13 00-0158		EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	345.11	46.61
			For Colored Vinyl, Add	*25.19*	
			For Tinted Glass, Add	*30.23*	
			For Low-E Insulated Glass, Add	*62.97*	
			For Obscure Glass, Add	*69.27*	
08 53 13 00-0159		EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	366.74	49.68
			For Colored Vinyl, Add	*26.74*	
			For Tinted Glass, Add	*32.09*	
			For Low-E Insulated Glass, Add	*66.85*	
			For Obscure Glass, Add	*73.54*	
08 53 13 00-0160			54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0161		EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	316.05	42.80
			For Colored Vinyl, Add	*23.05*	
			For Tinted Glass, Add	*27.66*	
			For Low-E Insulated Glass, Add	*57.62*	
			For Obscure Glass, Add	*63.38*	
08 53 13 00-0162		EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	326.30	44.32
			For Colored Vinyl, Add	*23.77*	
			For Tinted Glass, Add	*28.52*	
			For Low-E Insulated Glass, Add	*59.41*	
			For Obscure Glass, Add	*65.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	331.46	45.08
		For Colored Vinyl, Add	*24.13*	
		For Tinted Glass, Add	*28.95*	
		For Low-E Insulated Glass, Add	*60.32*	
		For Obscure Glass, Add	*66.35*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	336.12	45.85
		For Colored Vinyl, Add	*24.44*	
		For Tinted Glass, Add	*29.33*	
		For Low-E Insulated Glass, Add	*61.11*	
		For Obscure Glass, Add	*67.22*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	349.49	47.38
		For Colored Vinyl, Add	*25.47*	
		For Tinted Glass, Add	*30.57*	
		For Low-E Insulated Glass, Add	*63.68*	
		For Obscure Glass, Add	*70.05*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	371.31	50.43
		For Colored Vinyl, Add	*27.04*	
		For Tinted Glass, Add	*32.45*	
		For Low-E Insulated Glass, Add	*67.61*	
		For Obscure Glass, Add	*74.37*	
08 53 13 00-0167		**60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	327.18	45.08
		For Colored Vinyl, Add	*23.70*	
		For Tinted Glass, Add	*28.44*	
		For Low-E Insulated Glass, Add	*59.25*	
		For Obscure Glass, Add	*65.18*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	337.43	46.61
		For Colored Vinyl, Add	*24.42*	
		For Tinted Glass, Add	*29.30*	
		For Low-E Insulated Glass, Add	*61.05*	
		For Obscure Glass, Add	*67.16*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	343.78	47.38
		For Colored Vinyl, Add	*24.90*	
		For Tinted Glass, Add	*29.88*	
		For Low-E Insulated Glass, Add	*62.26*	
		For Obscure Glass, Add	*68.48*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	348.45	48.15
		For Colored Vinyl, Add	*25.22*	
		For Tinted Glass, Add	*30.26*	
		For Low-E Insulated Glass, Add	*63.04*	
		For Obscure Glass, Add	*69.34*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	362.59	49.68
		For Colored Vinyl, Add	*26.33*	
		For Tinted Glass, Add	*31.59*	
		For Low-E Insulated Glass, Add	*65.81*	
		For Obscure Glass, Add	*72.39*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	385.05	52.73
		For Colored Vinyl, Add	*27.96*	
		For Tinted Glass, Add	*33.55*	
		For Low-E Insulated Glass, Add	*69.90*	
		For Obscure Glass, Add	*76.89*	
08 53 13 00-0174		**62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	330.87	45.85
		For Colored Vinyl, Add	*23.92*	
		For Tinted Glass, Add	*28.70*	
		For Low-E Insulated Glass, Add	*59.79*	
		For Obscure Glass, Add	*65.77*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	341.13	47.38
		For Colored Vinyl, Add	*24.64*	
		For Tinted Glass, Add	*29.56*	
		For Low-E Insulated Glass, Add	*61.59*	
		For Obscure Glass, Add	*67.75*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	347.96	48.15
		For Colored Vinyl, Add	*25.17*	
		For Tinted Glass, Add	*30.20*	
		For Low-E Insulated Glass, Add	*62.92*	
		For Obscure Glass, Add	*69.21*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	352.63	48.91
		For Colored Vinyl, Add	*25.48*	
		For Tinted Glass, Add	*30.58*	
		For Low-E Insulated Glass, Add	*63.71*	
		For Obscure Glass, Add	*70.08*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	366.93	50.43
		For Colored Vinyl, Add	*26.61*	
		For Tinted Glass, Add	*31.93*	
		For Low-E Insulated Glass, Add	*66.52*	
		For Obscure Glass, Add	*73.17*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	390.04	53.49
		For Colored Vinyl, Add	*28.31*	
		For Tinted Glass, Add	*33.97*	
		For Low-E Insulated Glass, Add	*70.76*	
		For Obscure Glass, Add	*77.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0181		**66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	339.00	47.38
		For Colored Vinyl, Add	*24.42*	
		For Tinted Glass, Add	*29.31*	
		For Low-E Insulated Glass, Add	*61.06*	
		For Obscure Glass, Add	*67.17*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	349.24	48.91
		For Colored Vinyl, Add	*25.14*	
		For Tinted Glass, Add	*30.17*	
		For Low-E Insulated Glass, Add	*62.86*	
		For Obscure Glass, Add	*69.14*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	356.34	49.68
		For Colored Vinyl, Add	*25.70*	
		For Tinted Glass, Add	*30.84*	
		For Low-E Insulated Glass, Add	*64.25*	
		For Obscure Glass, Add	*70.68*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	361.02	50.43
		For Colored Vinyl, Add	*26.02*	
		For Tinted Glass, Add	*31.22*	
		For Low-E Insulated Glass, Add	*65.04*	
		For Obscure Glass, Add	*71.54*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	375.71	51.96
		For Colored Vinyl, Add	*27.18*	
		For Tinted Glass, Add	*32.61*	
		For Low-E Insulated Glass, Add	*67.95*	
		For Obscure Glass, Add	*74.74*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	399.66	55.02
		For Colored Vinyl, Add	*28.96*	
		For Tinted Glass, Add	*34.75*	
		For Low-E Insulated Glass, Add	*72.40*	
		For Obscure Glass, Add	*79.64*	
08 53 13 00-0188		**72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** *(08 53 13 00-0103)*		
08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	351.18	49.68
		For Colored Vinyl, Add	*25.18*	
		For Tinted Glass, Add	*30.22*	
		For Low-E Insulated Glass, Add	*62.96*	
		For Obscure Glass, Add	*69.26*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	361.43	51.20
		For Colored Vinyl, Add	*25.90*	
		For Tinted Glass, Add	*31.08*	
		For Low-E Insulated Glass, Add	*64.76*	
		For Obscure Glass, Add	*71.23*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	368.53	51.96
		For Colored Vinyl, Add	*26.46*	
		For Tinted Glass, Add	*31.75*	
		For Low-E Insulated Glass, Add	*66.15*	
		For Obscure Glass, Add	*72.77*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	373.20	52.73
		For Colored Vinyl, Add	*26.78*	
		For Tinted Glass, Add	*32.13*	
		For Low-E Insulated Glass, Add	*66.94*	
		For Obscure Glass, Add	*73.63*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	387.90	54.26
		For Colored Vinyl, Add	*27.94*	
		For Tinted Glass, Add	*33.53*	
		For Low-E Insulated Glass, Add	*69.85*	
		For Obscure Glass, Add	*76.83*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	411.84	57.31
		For Colored Vinyl, Add	*29.72*	
		For Tinted Glass, Add	*35.67*	
		For Low-E Insulated Glass, Add	*74.30*	
		For Obscure Glass, Add	*81.73*	
08 53 13 00-0195		**Replacement, Double Hung Vinyl Windows (Silver Line 8500)** *(08 53 13 00-0102)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	339.13	40.12
		For Colored Vinyl, Add	*25.89*	
		For Tinted Glass, Add	*31.07*	
		For Low-E Insulated Glass, Add	*64.72*	
		For Obscure Glass, Add	*71.19*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	373.82	43.94
		For Colored Vinyl, Add	*28.59*	
		For Tinted Glass, Add	*34.31*	
		For Low-E Insulated Glass, Add	*71.49*	
		For Obscure Glass, Add	*78.63*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	406.50	47.76
		For Colored Vinyl, Add	*31.10*	
		For Tinted Glass, Add	*37.32*	
		For Low-E Insulated Glass, Add	*77.74*	
		For Obscure Glass, Add	*85.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	430.66	51.58
		For Colored Vinyl, Add	*32.75*	
		For Tinted Glass, Add	*39.30*	
		For Low-E Insulated Glass, Add	*81.87*	
		For Obscure Glass, Add	*90.06*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	456.33	55.41
		For Colored Vinyl, Add	*34.55*	
		For Tinted Glass, Add	*41.46*	
		For Low-E Insulated Glass, Add	*86.38*	
		For Obscure Glass, Add	*95.02*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	495.38	59.22
		For Colored Vinyl, Add	*37.69*	
		For Tinted Glass, Add	*45.23*	
		For Low-E Insulated Glass, Add	*94.23*	
		For Obscure Glass, Add	*103.66*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	4.14	0.49
		For Colored Vinyl, Add	*0.31*	
		For Tinted Glass, Add	*0.38*	
		For Low-E Insulated Glass, Add	*0.79*	
		For Obscure Glass, Add	*0.86*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	252.38	29.04
		For Colored Vinyl, Add	*19.51*	
		For Tinted Glass, Add	*23.41*	
		For Low-E Insulated Glass, Add	*48.77*	
		For Obscure Glass, Add	*53.64*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	261.27	29.81
		For Colored Vinyl, Add	*20.17*	
		For Tinted Glass, Add	*24.20*	
		For Low-E Insulated Glass, Add	*50.42*	
		For Obscure Glass, Add	*55.46*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	270.92	31.33
		For Colored Vinyl, Add	*20.83*	
		For Tinted Glass, Add	*24.99*	
		For Low-E Insulated Glass, Add	*52.06*	
		For Obscure Glass, Add	*57.27*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	287.81	32.86
		For Colored Vinyl, Add	*22.21*	
		For Tinted Glass, Add	*26.65*	
		For Low-E Insulated Glass, Add	*55.52*	
		For Obscure Glass, Add	*61.07*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	267.70	30.56
		For Colored Vinyl, Add	*20.73*	
		For Tinted Glass, Add	*24.88*	
		For Low-E Insulated Glass, Add	*51.83*	
		For Obscure Glass, Add	*57.02*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	277.34	31.33
		For Colored Vinyl, Add	*21.47*	
		For Tinted Glass, Add	*25.76*	
		For Low-E Insulated Glass, Add	*53.67*	
		For Obscure Glass, Add	*59.03*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	287.71	32.86
		For Colored Vinyl, Add	*22.20*	
		For Tinted Glass, Add	*26.64*	
		For Low-E Insulated Glass, Add	*55.50*	
		For Obscure Glass, Add	*61.05*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	305.50	34.39
		For Colored Vinyl, Add	*23.67*	
		For Tinted Glass, Add	*28.41*	
		For Low-E Insulated Glass, Add	*59.18*	
		For Obscure Glass, Add	*65.10*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	286.23	32.86
		For Colored Vinyl, Add	*22.05*	
		For Tinted Glass, Add	*26.46*	
		For Low-E Insulated Glass, Add	*55.13*	
		For Obscure Glass, Add	*60.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	296.22	34.39
		For Colored Vinyl, Add	*22.82*	
		For Tinted Glass, Add	*27.39*	
		For Low-E Insulated Glass, Add	*57.05*	
		For Obscure Glass, Add	*62.76*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	307.00	35.54
		For Colored Vinyl, Add	*23.59*	
		For Tinted Glass, Add	*28.31*	
		For Low-E Insulated Glass, Add	*58.98*	
		For Obscure Glass, Add	*64.88*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	325.50	37.06
		For Colored Vinyl, Add	*25.14*	
		For Tinted Glass, Add	*30.16*	
		For Low-E Insulated Glass, Add	*62.84*	
		For Obscure Glass, Add	*69.13*	
08 53 13 00-0221		40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	302.75	35.15
		For Colored Vinyl, Add	*23.32*	
		For Tinted Glass, Add	*27.99*	
		For Low-E Insulated Glass, Add	*58.30*	
		For Obscure Glass, Add	*64.13*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	313.27	35.92
		For Colored Vinyl, Add	*24.14*	
		For Tinted Glass, Add	*28.97*	
		For Low-E Insulated Glass, Add	*60.36*	
		For Obscure Glass, Add	*66.40*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	324.56	37.44
		For Colored Vinyl, Add	*24.97*	
		For Tinted Glass, Add	*29.96*	
		For Low-E Insulated Glass, Add	*62.42*	
		For Obscure Glass, Add	*68.66*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	344.51	38.97
		For Colored Vinyl, Add	*26.66*	
		For Tinted Glass, Add	*31.99*	
		For Low-E Insulated Glass, Add	*66.64*	
		For Obscure Glass, Add	*73.31*	
08 53 13 00-0226		48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	321.70	38.21
		For Colored Vinyl, Add	*24.60*	
		For Tinted Glass, Add	*29.52*	
		For Low-E Insulated Glass, Add	*61.51*	
		For Obscure Glass, Add	*67.66*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	332.65	38.97
		For Colored Vinyl, Add	*25.47*	
		For Tinted Glass, Add	*30.57*	
		For Low-E Insulated Glass, Add	*63.68*	
		For Obscure Glass, Add	*70.05*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	344.41	40.50
		For Colored Vinyl, Add	*26.34*	
		For Tinted Glass, Add	*31.61*	
		For Low-E Insulated Glass, Add	*65.85*	
		For Obscure Glass, Add	*72.44*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	366.30	42.03
		For Colored Vinyl, Add	*28.22*	
		For Tinted Glass, Add	*33.87*	
		For Low-E Insulated Glass, Add	*70.56*	
		For Obscure Glass, Add	*77.61*	
08 53 13 00-0231		52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	337.52	39.74
		For Colored Vinyl, Add	*25.88*	
		For Tinted Glass, Add	*31.06*	
		For Low-E Insulated Glass, Add	*64.70*	
		For Obscure Glass, Add	*71.17*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	349.09	40.50
		For Colored Vinyl, Add	*26.81*	
		For Tinted Glass, Add	*32.17*	
		For Low-E Insulated Glass, Add	*67.02*	
		For Obscure Glass, Add	*73.72*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	361.42	42.03
		For Colored Vinyl, Add	*27.74*	
		For Tinted Glass, Add	*33.28*	
		For Low-E Insulated Glass, Add	*69.34*	
		For Obscure Glass, Add	*76.27*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	383.66	43.56
		For Colored Vinyl, Add	*29.65*	
		For Tinted Glass, Add	*35.58*	
		For Low-E Insulated Glass, Add	*74.14*	
		For Obscure Glass, Add	*81.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	355.65	42.03
		For Colored Vinyl, Add	*27.16*	
		For Tinted Glass, Add	*32.59*	
		For Low-E Insulated Glass, Add	*67.90*	
		For Obscure Glass, Add	*74.68*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	367.79	43.56
		For Colored Vinyl, Add	*28.14*	
		For Tinted Glass, Add	*33.77*	
		For Low-E Insulated Glass, Add	*70.36*	
		For Obscure Glass, Add	*77.40*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	380.72	44.70
		For Colored Vinyl, Add	*29.13*	
		For Tinted Glass, Add	*34.96*	
		For Low-E Insulated Glass, Add	*72.83*	
		For Obscure Glass, Add	*80.11*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	403.31	46.23
		For Colored Vinyl, Add	*31.09*	
		For Tinted Glass, Add	*37.30*	
		For Low-E Insulated Glass, Add	*77.71*	
		For Obscure Glass, Add	*85.48*	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	371.92	44.32
		For Colored Vinyl, Add	*28.40*	
		For Tinted Glass, Add	*34.08*	
		For Low-E Insulated Glass, Add	*71.01*	
		For Obscure Glass, Add	*78.11*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	384.39	45.08
		For Colored Vinyl, Add	*29.42*	
		For Tinted Glass, Add	*35.31*	
		For Low-E Insulated Glass, Add	*73.55*	
		For Obscure Glass, Add	*80.91*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	398.12	46.61
		For Colored Vinyl, Add	*30.49*	
		For Tinted Glass, Add	*36.59*	
		For Low-E Insulated Glass, Add	*76.22*	
		For Obscure Glass, Add	*83.84*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	420.21	48.15
		For Colored Vinyl, Add	*32.39*	
		For Tinted Glass, Add	*38.87*	
		For Low-E Insulated Glass, Add	*80.98*	
		For Obscure Glass, Add	*89.08*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	392.00	46.61
		For Colored Vinyl, Add	*29.88*	
		For Tinted Glass, Add	*35.85*	
		For Low-E Insulated Glass, Add	*74.69*	
		For Obscure Glass, Add	*82.16*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	405.10	48.15
		For Colored Vinyl, Add	*30.96*	
		For Tinted Glass, Add	*37.15*	
		For Low-E Insulated Glass, Add	*77.39*	
		For Obscure Glass, Add	*85.13*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	418.27	49.29
		For Colored Vinyl, Add	*31.97*	
		For Tinted Glass, Add	*38.36*	
		For Low-E Insulated Glass, Add	*79.92*	
		For Obscure Glass, Add	*87.91*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	440.09	50.81
		For Colored Vinyl, Add	*33.85*	
		For Tinted Glass, Add	*40.61*	
		For Low-E Insulated Glass, Add	*84.61*	
		For Obscure Glass, Add	*93.07*	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	501.46	38.97
		For Colored Vinyl, Add	*42.35*	
		For Tinted Glass, Add	*50.82*	
		For Low-E Insulated Glass, Add	*105.88*	
		For Obscure Glass, Add	*116.47*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	520.12	42.03
		For Colored Vinyl, Add	*43.68*	
		For Tinted Glass, Add	*52.42*	
		For Low-E Insulated Glass, Add	*109.21*	
		For Obscure Glass, Add	*120.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	539.54	45.08
		For Colored Vinyl, Add	*45.01*	
		For Tinted Glass, Add	*54.02*	
		For Low-E Insulated Glass, Add	*112.53*	
		For Obscure Glass, Add	*123.79*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	561.45	47.76
		For Colored Vinyl, Add	*46.59*	
		For Tinted Glass, Add	*55.91*	
		For Low-E Insulated Glass, Add	*116.48*	
		For Obscure Glass, Add	*128.13*	
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	530.91	40.88
		For Colored Vinyl, Add	*44.91*	
		For Tinted Glass, Add	*53.90*	
		For Low-E Insulated Glass, Add	*112.29*	
		For Obscure Glass, Add	*123.51*	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	550.65	43.56
		For Colored Vinyl, Add	*46.35*	
		For Tinted Glass, Add	*55.62*	
		For Low-E Insulated Glass, Add	*115.88*	
		For Obscure Glass, Add	*127.47*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	571.17	46.61
		For Colored Vinyl, Add	*47.79*	
		For Tinted Glass, Add	*57.35*	
		For Low-E Insulated Glass, Add	*119.49*	
		For Obscure Glass, Add	*131.43*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	592.39	49.68
		For Colored Vinyl, Add	*49.31*	
		For Tinted Glass, Add	*59.17*	
		For Low-E Insulated Glass, Add	*123.26*	
		For Obscure Glass, Add	*135.59*	
08 53 13 00-0262		48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	563.14	43.94
		For Colored Vinyl, Add	*47.53*	
		For Tinted Glass, Add	*57.03*	
		For Low-E Insulated Glass, Add	*118.82*	
		For Obscure Glass, Add	*130.70*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	583.67	46.61
		For Colored Vinyl, Add	*49.04*	
		For Tinted Glass, Add	*58.85*	
		For Low-E Insulated Glass, Add	*122.61*	
		For Obscure Glass, Add	*134.87*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	604.98	49.68
		For Colored Vinyl, Add	*50.56*	
		For Tinted Glass, Add	*60.68*	
		For Low-E Insulated Glass, Add	*126.41*	
		For Obscure Glass, Add	*139.05*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	628.05	52.73
		For Colored Vinyl, Add	*52.26*	
		For Tinted Glass, Add	*62.71*	
		For Low-E Insulated Glass, Add	*130.65*	
		For Obscure Glass, Add	*143.72*	
08 53 13 00-0267		52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	592.25	45.47
		For Colored Vinyl, Add	*50.13*	
		For Tinted Glass, Add	*60.16*	
		For Low-E Insulated Glass, Add	*125.33*	
		For Obscure Glass, Add	*137.86*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	613.85	48.15
		For Colored Vinyl, Add	*51.76*	
		For Tinted Glass, Add	*62.11*	
		For Low-E Insulated Glass, Add	*129.39*	
		For Obscure Glass, Add	*142.33*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	636.19	51.20
		For Colored Vinyl, Add	*53.38*	
		For Tinted Glass, Add	*64.05*	
		For Low-E Insulated Glass, Add	*133.45*	
		For Obscure Glass, Add	*146.79*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	659.63	54.26
		For Colored Vinyl, Add	*55.11*	
		For Tinted Glass, Add	*66.13*	
		For Low-E Insulated Glass, Add	*137.78*	
		For Obscure Glass, Add	*151.56*	
08 53 13 00-0272		60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	623.67	48.15
		For Colored Vinyl, Add	*52.74*	
		For Tinted Glass, Add	*63.29*	
		For Low-E Insulated Glass, Add	*131.85*	
		For Obscure Glass, Add	*145.03*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	646.31	51.20
		For Colored Vinyl, Add	*54.47*	
		For Tinted Glass, Add	*65.36*	
		For Low-E Insulated Glass, Add	*136.17*	
		For Obscure Glass, Add	*149.78*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	669.69	54.26
		For Colored Vinyl, Add	*56.19*	
		For Tinted Glass, Add	*67.43*	
		For Low-E Insulated Glass, Add	*140.49*	
		For Obscure Glass, Add	*154.53*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	693.47	56.94
		For Colored Vinyl, Add	*57.96*	
		For Tinted Glass, Add	*69.55*	
		For Low-E Insulated Glass, Add	*144.90*	
		For Obscure Glass, Add	*159.39*	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	654.41	50.06
		For Colored Vinyl, Add	*55.43*	
		For Tinted Glass, Add	*66.52*	
		For Low-E Insulated Glass, Add	*138.58*	
		For Obscure Glass, Add	*152.43*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	677.03	52.73
		For Colored Vinyl, Add	*57.16*	
		For Tinted Glass, Add	*68.59*	
		For Low-E Insulated Glass, Add	*142.90*	
		For Obscure Glass, Add	*157.18*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	700.34	55.79
		For Colored Vinyl, Add	*58.88*	
		For Tinted Glass, Add	*70.65*	
		For Low-E Insulated Glass, Add	*147.19*	
		For Obscure Glass, Add	*161.91*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	724.20	58.84
		For Colored Vinyl, Add	*60.65*	
		For Tinted Glass, Add	*72.78*	
		For Low-E Insulated Glass, Add	*151.63*	
		For Obscure Glass, Add	*166.79*	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	688.40	52.73
		For Colored Vinyl, Add	*58.30*	
		For Tinted Glass, Add	*69.95*	
		For Low-E Insulated Glass, Add	*145.74*	
		For Obscure Glass, Add	*160.31*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	711.05	55.79
		For Colored Vinyl, Add	*60.02*	
		For Tinted Glass, Add	*72.03*	
		For Low-E Insulated Glass, Add	*150.06*	
		For Obscure Glass, Add	*165.07*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	734.44	58.84
		For Colored Vinyl, Add	*61.75*	
		For Tinted Glass, Add	*74.10*	
		For Low-E Insulated Glass, Add	*154.38*	
		For Obscure Glass, Add	*169.82*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	758.24	61.52
		For Colored Vinyl, Add	*63.52*	
		For Tinted Glass, Add	*76.22*	
		For Low-E Insulated Glass, Add	*158.80*	
		For Obscure Glass, Add	*174.68*	

08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	619.41	49.68
		For Colored Vinyl, Add	*52.01*	
		For Tinted Glass, Add	*62.41*	
		For Low-E Insulated Glass, Add	*130.02*	
		For Obscure Glass, Add	*143.02*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	648.97	53.49
		For Colored Vinyl, Add	*54.20*	
		For Tinted Glass, Add	*65.04*	
		For Low-E Insulated Glass, Add	*135.50*	
		For Obscure Glass, Add	*149.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	701.64	59.22
		For Colored Vinyl, Add	*58.32*	
		For Tinted Glass, Add	*69.98*	
		For Low-E Insulated Glass, Add	*145.80*	
		For Obscure Glass, Add	*160.38*	
08 53 13 00-0292		40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	659.78	51.96
		For Colored Vinyl, Add	*55.66*	
		For Tinted Glass, Add	*66.79*	
		For Low-E Insulated Glass, Add	*139.15*	
		For Obscure Glass, Add	*153.07*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	689.55	55.41
		For Colored Vinyl, Add	*57.87*	
		For Tinted Glass, Add	*69.45*	
		For Low-E Insulated Glass, Add	*144.69*	
		For Obscure Glass, Add	*159.15*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	745.18	61.14
		For Colored Vinyl, Add	*62.29*	
		For Tinted Glass, Add	*74.75*	
		For Low-E Insulated Glass, Add	*155.73*	
		For Obscure Glass, Add	*171.30*	
08 53 13 00-0296		48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	697.97	55.02
		For Colored Vinyl, Add	*58.79*	
		For Tinted Glass, Add	*70.55*	
		For Low-E Insulated Glass, Add	*146.98*	
		For Obscure Glass, Add	*161.68*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	732.94	58.46
		For Colored Vinyl, Add	*61.60*	
		For Tinted Glass, Add	*73.92*	
		For Low-E Insulated Glass, Add	*154.01*	
		For Obscure Glass, Add	*169.41*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	791.12	64.19
		For Colored Vinyl, Add	*66.27*	
		For Tinted Glass, Add	*79.53*	
		For Low-E Insulated Glass, Add	*165.69*	
		For Obscure Glass, Add	*182.25*	
08 53 13 00-0300		52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	736.30	56.55
		For Colored Vinyl, Add	*62.32*	
		For Tinted Glass, Add	*74.78*	
		For Low-E Insulated Glass, Add	*155.80*	
		For Obscure Glass, Add	*171.38*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	773.59	60.37
		For Colored Vinyl, Add	*65.29*	
		For Tinted Glass, Add	*78.34*	
		For Low-E Insulated Glass, Add	*163.21*	
		For Obscure Glass, Add	*179.53*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	839.85	65.72
		For Colored Vinyl, Add	*70.84*	
		For Tinted Glass, Add	*85.01*	
		For Low-E Insulated Glass, Add	*177.10*	
		For Obscure Glass, Add	*194.81*	
08 53 13 00-0304		60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	776.91	59.22
		For Colored Vinyl, Add	*65.85*	
		For Tinted Glass, Add	*79.02*	
		For Low-E Insulated Glass, Add	*164.62*	
		For Obscure Glass, Add	*181.08*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	815.74	63.05
		For Colored Vinyl, Add	*68.97*	
		For Tinted Glass, Add	*82.76*	
		For Low-E Insulated Glass, Add	*172.41*	
		For Obscure Glass, Add	*189.65*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	890.88	68.40
		For Colored Vinyl, Add	*75.41*	
		For Tinted Glass, Add	*90.49*	
		For Low-E Insulated Glass, Add	*188.52*	
		For Obscure Glass, Add	*207.37*	
08 53 13 00-0308		64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	820.57	61.14
		For Colored Vinyl, Add	*69.83*	
		For Tinted Glass, Add	*83.80*	
		For Low-E Insulated Glass, Add	*174.58*	
		For Obscure Glass, Add	*192.03*	
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	859.38	64.95
		For Colored Vinyl, Add	*72.95*	
		For Tinted Glass, Add	*87.54*	
		For Low-E Insulated Glass, Add	*182.37*	
		For Obscure Glass, Add	*200.60*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	934.52	70.31
		For Colored Vinyl, Add	*79.39*	
		For Tinted Glass, Add	*95.27*	
		For Low-E Insulated Glass, Add	*198.48*	
		For Obscure Glass, Add	*218.33*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	865.84	63.81
		For Colored Vinyl, Add	*73.82*	
		For Tinted Glass, Add	*88.59*	
		For Low-E Insulated Glass, Add	*184.56*	
		For Obscure Glass, Add	*203.01*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	904.65	67.63
		For Colored Vinyl, Add	*76.94*	
		For Tinted Glass, Add	*92.33*	
		For Low-E Insulated Glass, Add	*192.35*	
		For Obscure Glass, Add	*211.58*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	979.80	72.98
		For Colored Vinyl, Add	*83.38*	
		For Tinted Glass, Add	*100.06*	
		For Low-E Insulated Glass, Add	*208.46*	
		For Obscure Glass, Add	*229.31*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	322.72	32.48
		For Colored Vinyl, Add	*25.78*	
		For Tinted Glass, Add	*30.93*	
		For Low-E Insulated Glass, Add	*64.44*	
		For Obscure Glass, Add	*70.89*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	366.24	36.30
		For Colored Vinyl, Add	*29.36*	
		For Tinted Glass, Add	*35.24*	
		For Low-E Insulated Glass, Add	*73.41*	
		For Obscure Glass, Add	*80.75*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	405.70	40.12
		For Colored Vinyl, Add	*32.55*	
		For Tinted Glass, Add	*39.06*	
		For Low-E Insulated Glass, Add	*81.37*	
		For Obscure Glass, Add	*89.50*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	441.10	43.94
		For Colored Vinyl, Add	*35.32*	
		For Tinted Glass, Add	*42.39*	
		For Low-E Insulated Glass, Add	*88.31*	
		For Obscure Glass, Add	*97.14*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	472.46	47.76
		For Colored Vinyl, Add	*37.69*	
		For Tinted Glass, Add	*45.23*	
		For Low-E Insulated Glass, Add	*94.23*	
		For Obscure Glass, Add	*103.66*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	492.06	51.58
		For Colored Vinyl, Add	*38.89*	
		For Tinted Glass, Add	*46.67*	
		For Low-E Insulated Glass, Add	*97.22*	
		For Obscure Glass, Add	*106.94*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	4.85	0.49
		For Colored Vinyl, Add	*0.39*	
		For Tinted Glass, Add	*0.46*	
		For Low-E Insulated Glass, Add	*0.96*	
		For Obscure Glass, Add	*1.06*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	531.45	40.12
		For Colored Vinyl, Add	*45.12*	
		For Tinted Glass, Add	*54.15*	
		For Low-E Insulated Glass, Add	*112.80*	
		For Obscure Glass, Add	*124.08*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0327		EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	584.08	43.94
			For Colored Vinyl, Add	*49.62*	
			For Tinted Glass, Add	*59.54*	
			For Low-E Insulated Glass, Add	*124.05*	
			For Obscure Glass, Add	*136.46*	
08 53 13 00-0328		EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	632.66	47.76
			For Colored Vinyl, Add	*53.71*	
			For Tinted Glass, Add	*64.46*	
			For Low-E Insulated Glass, Add	*134.28*	
			For Obscure Glass, Add	*147.71*	
08 53 13 00-0329		EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	666.04	51.58
			For Colored Vinyl, Add	*56.29*	
			For Tinted Glass, Add	*67.54*	
			For Low-E Insulated Glass, Add	*140.72*	
			For Obscure Glass, Add	*154.79*	
08 53 13 00-0330		EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	701.54	55.41
			For Colored Vinyl, Add	*59.07*	
			For Tinted Glass, Add	*70.89*	
			For Low-E Insulated Glass, Add	*147.68*	
			For Obscure Glass, Add	*162.45*	
08 53 13 00-0331		EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	738.57	59.22
			For Colored Vinyl, Add	*62.01*	
			For Tinted Glass, Add	*74.41*	
			For Low-E Insulated Glass, Add	*155.03*	
			For Obscure Glass, Add	*170.53*	
08 53 13 00-0332		UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	6.17	0.49
			For Colored Vinyl, Add	*0.52*	
			For Tinted Glass, Add	*0.62*	
			For Low-E Insulated Glass, Add	*1.29*	
			For Obscure Glass, Add	*1.42*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334		EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	553.64	40.12
			For Colored Vinyl, Add	*47.34*	
			For Tinted Glass, Add	*56.81*	
			For Low-E Insulated Glass, Add	*118.35*	
			For Obscure Glass, Add	*130.19*	
08 53 13 00-0335		EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	608.70	43.94
			For Colored Vinyl, Add	*52.08*	
			For Tinted Glass, Add	*62.50*	
			For Low-E Insulated Glass, Add	*130.21*	
			For Obscure Glass, Add	*143.23*	
08 53 13 00-0336		EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	660.93	47.76
			For Colored Vinyl, Add	*56.54*	
			For Tinted Glass, Add	*67.85*	
			For Low-E Insulated Glass, Add	*141.35*	
			For Obscure Glass, Add	*155.49*	
08 53 13 00-0337		EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	696.74	51.58
			For Colored Vinyl, Add	*59.36*	
			For Tinted Glass, Add	*71.23*	
			For Low-E Insulated Glass, Add	*148.39*	
			For Obscure Glass, Add	*163.23*	
08 53 13 00-0338		EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	734.98	55.41
			For Colored Vinyl, Add	*62.42*	
			For Tinted Glass, Add	*74.90*	
			For Low-E Insulated Glass, Add	*156.04*	
			For Obscure Glass, Add	*171.65*	
08 53 13 00-0339		EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	775.05	59.22
			For Colored Vinyl, Add	*65.66*	
			For Tinted Glass, Add	*78.79*	
			For Low-E Insulated Glass, Add	*164.15*	
			For Obscure Glass, Add	*180.57*	
08 53 13 00-0340		UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	6.47	0.49
			For Colored Vinyl, Add	*0.55*	
			For Tinted Glass, Add	*0.66*	
			For Low-E Insulated Glass, Add	*1.37*	
			For Obscure Glass, Add	*1.50*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0345		EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	324.44	31.33
			For Colored Vinyl, Add	*26.18*	
			For Tinted Glass, Add	*31.41*	
			For Low-E Insulated Glass, Add	*65.44*	
			For Obscure Glass, Add	*71.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	339.65	32.86
		For Colored Vinyl, Add	*27.39*	
		For Tinted Glass, Add	*32.87*	
		For Low-E Insulated Glass, Add	*68.48*	
		For Obscure Glass, Add	*75.33*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	363.23	35.54
		For Colored Vinyl, Add	*29.22*	
		For Tinted Glass, Add	*35.06*	
		For Low-E Insulated Glass, Add	*73.04*	
		For Obscure Glass, Add	*80.34*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	378.53	37.44
		For Colored Vinyl, Add	*30.36*	
		For Tinted Glass, Add	*36.44*	
		For Low-E Insulated Glass, Add	*75.91*	
		For Obscure Glass, Add	*83.50*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	403.56	40.50
		For Colored Vinyl, Add	*32.26*	
		For Tinted Glass, Add	*38.71*	
		For Low-E Insulated Glass, Add	*80.64*	
		For Obscure Glass, Add	*88.70*	
08 53 13 00-0350		20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	341.92	32.86
		For Colored Vinyl, Add	*27.70*	
		For Tinted Glass, Add	*33.24*	
		For Low-E Insulated Glass, Add	*69.24*	
		For Obscure Glass, Add	*76.17*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	357.13	34.39
		For Colored Vinyl, Add	*28.91*	
		For Tinted Glass, Add	*34.69*	
		For Low-E Insulated Glass, Add	*72.28*	
		For Obscure Glass, Add	*79.51*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	382.41	36.69
		For Colored Vinyl, Add	*30.91*	
		For Tinted Glass, Add	*37.09*	
		For Low-E Insulated Glass, Add	*77.26*	
		For Obscure Glass, Add	*84.99*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	397.73	38.97
		For Colored Vinyl, Add	*32.05*	
		For Tinted Glass, Add	*38.46*	
		For Low-E Insulated Glass, Add	*80.14*	
		For Obscure Glass, Add	*88.15*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	424.43	41.65
		For Colored Vinyl, Add	*34.11*	
		For Tinted Glass, Add	*40.94*	
		For Low-E Insulated Glass, Add	*85.28*	
		For Obscure Glass, Add	*93.81*	
08 53 13 00-0356		24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	353.41	34.39
		For Colored Vinyl, Add	*28.54*	
		For Tinted Glass, Add	*34.25*	
		For Low-E Insulated Glass, Add	*71.35*	
		For Obscure Glass, Add	*78.49*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	368.63	35.92
		For Colored Vinyl, Add	*29.76*	
		For Tinted Glass, Add	*35.71*	
		For Low-E Insulated Glass, Add	*74.39*	
		For Obscure Glass, Add	*81.83*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	394.75	38.21
		For Colored Vinyl, Add	*31.83*	
		For Tinted Glass, Add	*38.20*	
		For Low-E Insulated Glass, Add	*79.58*	
		For Obscure Glass, Add	*87.54*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	411.42	40.50
		For Colored Vinyl, Add	*33.12*	
		For Tinted Glass, Add	*39.74*	
		For Low-E Insulated Glass, Add	*82.80*	
		For Obscure Glass, Add	*91.07*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	438.46	43.18
		For Colored Vinyl, Add	*35.21*	
		For Tinted Glass, Add	*42.25*	
		For Low-E Insulated Glass, Add	*88.03*	
		For Obscure Glass, Add	*96.83*	
08 53 13 00-0362		28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	364.92	35.92
		For Colored Vinyl, Add	*29.39*	
		For Tinted Glass, Add	*35.26*	
		For Low-E Insulated Glass, Add	*73.46*	
		For Obscure Glass, Add	*80.81*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0364		EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	380.14	37.44
			For Colored Vinyl, Add	*30.60*	
			For Tinted Glass, Add	*36.72*	
			For Low-E Insulated Glass, Add	*76.50*	
			For Obscure Glass, Add	*84.15*	
08 53 13 00-0365		EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	407.10	39.74
			For Colored Vinyl, Add	*32.76*	
			For Tinted Glass, Add	*39.32*	
			For Low-E Insulated Glass, Add	*81.91*	
			For Obscure Glass, Add	*90.10*	
08 53 13 00-0366		EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	425.03	42.03
			For Colored Vinyl, Add	*34.17*	
			For Tinted Glass, Add	*41.01*	
			For Low-E Insulated Glass, Add	*85.43*	
			For Obscure Glass, Add	*93.98*	
08 53 13 00-0367		EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	452.50	44.70
			For Colored Vinyl, Add	*36.31*	
			For Tinted Glass, Add	*43.57*	
			For Low-E Insulated Glass, Add	*90.77*	
			For Obscure Glass, Add	*99.85*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369		EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	431.01	42.42
			For Colored Vinyl, Add	*34.62*	
			For Tinted Glass, Add	*41.54*	
			For Low-E Insulated Glass, Add	*86.55*	
			For Obscure Glass, Add	*95.20*	
08 53 13 00-0370		EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	448.97	44.32
			For Colored Vinyl, Add	*36.03*	
			For Tinted Glass, Add	*43.24*	
			For Low-E Insulated Glass, Add	*90.08*	
			For Obscure Glass, Add	*99.09*	
08 53 13 00-0371		EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	478.12	47.38
			For Colored Vinyl, Add	*38.34*	
			For Tinted Glass, Add	*46.00*	
			For Low-E Insulated Glass, Add	*95.84*	
			For Obscure Glass, Add	*105.42*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373		EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	338.84	32.48
			For Colored Vinyl, Add	*27.39*	
			For Tinted Glass, Add	*32.87*	
			For Low-E Insulated Glass, Add	*68.47*	
			For Obscure Glass, Add	*75.32*	
08 53 13 00-0374		EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	391.78	36.30
			For Colored Vinyl, Add	*31.92*	
			For Tinted Glass, Add	*38.30*	
			For Low-E Insulated Glass, Add	*79.80*	
			For Obscure Glass, Add	*87.77*	
08 53 13 00-0375		EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	442.68	40.12
			For Colored Vinyl, Add	*36.24*	
			For Tinted Glass, Add	*43.49*	
			For Low-E Insulated Glass, Add	*90.61*	
			For Obscure Glass, Add	*99.67*	
08 53 13 00-0376		EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	491.56	43.94
			For Colored Vinyl, Add	*40.37*	
			For Tinted Glass, Add	*48.44*	
			For Low-E Insulated Glass, Add	*100.92*	
			For Obscure Glass, Add	*111.01*	
08 53 13 00-0377		EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	538.43	47.76
			For Colored Vinyl, Add	*44.29*	
			For Tinted Glass, Add	*53.15*	
			For Low-E Insulated Glass, Add	*110.73*	
			For Obscure Glass, Add	*121.80*	
08 53 13 00-0378		EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	563.70	51.58
			For Colored Vinyl, Add	*46.05*	
			For Tinted Glass, Add	*55.26*	
			For Low-E Insulated Glass, Add	*115.13*	
			For Obscure Glass, Add	*126.65*	
08 53 13 00-0379		UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	5.56	0.49
			For Colored Vinyl, Add	*0.46*	
			For Tinted Glass, Add	*0.55*	
			For Low-E Insulated Glass, Add	*1.14*	
			For Obscure Glass, Add	*1.25*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	196.47	37.44
		For Colored Vinyl, Add	*12.23*	
		For Tinted Glass, Add	*14.68*	
		For Low-E Insulated Glass, Add	*30.59*	
		For Obscure Glass, Add	*33.64*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	217.64	42.03
		For Colored Vinyl, Add	*13.43*	
		For Tinted Glass, Add	*16.12*	
		For Low-E Insulated Glass, Add	*33.59*	
		For Obscure Glass, Add	*36.94*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	228.22	43.94
		For Colored Vinyl, Add	*14.03*	
		For Tinted Glass, Add	*16.84*	
		For Low-E Insulated Glass, Add	*35.09*	
		For Obscure Glass, Add	*38.59*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	238.80	46.23
		For Colored Vinyl, Add	*14.63*	
		For Tinted Glass, Add	*17.56*	
		For Low-E Insulated Glass, Add	*36.59*	
		For Obscure Glass, Add	*40.24*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	245.86	48.15
		For Colored Vinyl, Add	*15.03*	
		For Tinted Glass, Add	*18.04*	
		For Low-E Insulated Glass, Add	*37.58*	
		For Obscure Glass, Add	*41.34*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	259.97	50.81
		For Colored Vinyl, Add	*15.83*	
		For Tinted Glass, Add	*19.00*	
		For Low-E Insulated Glass, Add	*39.58*	
		For Obscure Glass, Add	*43.54*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	206.28	38.97
		For Colored Vinyl, Add	*12.91*	
		For Tinted Glass, Add	*15.49*	
		For Low-E Insulated Glass, Add	*32.27*	
		For Obscure Glass, Add	*35.50*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	227.98	43.56
		For Colored Vinyl, Add	*14.16*	
		For Tinted Glass, Add	*17.00*	
		For Low-E Insulated Glass, Add	*35.41*	
		For Obscure Glass, Add	*38.95*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	238.91	45.47
		For Colored Vinyl, Add	*14.80*	
		For Tinted Glass, Add	*17.76*	
		For Low-E Insulated Glass, Add	*37.00*	
		For Obscure Glass, Add	*40.69*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	249.73	47.76
		For Colored Vinyl, Add	*15.42*	
		For Tinted Glass, Add	*18.50*	
		For Low-E Insulated Glass, Add	*38.55*	
		For Obscure Glass, Add	*42.41*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	256.95	49.68
		For Colored Vinyl, Add	*15.84*	
		For Tinted Glass, Add	*19.00*	
		For Low-E Insulated Glass, Add	*39.59*	
		For Obscure Glass, Add	*43.55*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	271.43	52.34
		For Colored Vinyl, Add	*16.67*	
		For Tinted Glass, Add	*20.01*	
		For Low-E Insulated Glass, Add	*41.69*	
		For Obscure Glass, Add	*45.85*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	235.87	43.56
		For Colored Vinyl, Add	*14.95*	
		For Tinted Glass, Add	*17.94*	
		For Low-E Insulated Glass, Add	*37.38*	
		For Obscure Glass, Add	*41.12*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	259.35	48.15
		For Colored Vinyl, Add	*16.38*	
		For Tinted Glass, Add	*19.66*	
		For Low-E Insulated Glass, Add	*40.96*	
		For Obscure Glass, Add	*45.05*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	271.11	50.06
		For Colored Vinyl, Add	*17.10*	
		For Tinted Glass, Add	*20.52*	
		For Low-E Insulated Glass, Add	*42.75*	
		For Obscure Glass, Add	*47.03*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	282.84	52.34
		For Colored Vinyl, Add	*17.82*	
		For Tinted Glass, Add	*21.38*	
		For Low-E Insulated Glass, Add	*44.54*	
		For Obscure Glass, Add	*48.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	290.68	53.49
		For Colored Vinyl, Add	*18.29*	
		For Tinted Glass, Add	*21.95*	
		For Low-E Insulated Glass, Add	*45.73*	
		For Obscure Glass, Add	*50.31*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	306.34	56.94
		For Colored Vinyl, Add	*19.25*	
		For Tinted Glass, Add	*23.10*	
		For Low-E Insulated Glass, Add	*48.12*	
		For Obscure Glass, Add	*52.93*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	250.66	45.85
		For Colored Vinyl, Add	*15.97*	
		For Tinted Glass, Add	*19.17*	
		For Low-E Insulated Glass, Add	*39.93*	
		For Obscure Glass, Add	*43.93*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	275.04	50.43
		For Colored Vinyl, Add	*17.49*	
		For Tinted Glass, Add	*20.99*	
		For Low-E Insulated Glass, Add	*43.73*	
		For Obscure Glass, Add	*48.11*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	287.24	52.34
		For Colored Vinyl, Add	*18.26*	
		For Tinted Glass, Add	*21.91*	
		For Low-E Insulated Glass, Add	*45.64*	
		For Obscure Glass, Add	*50.20*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	299.43	54.64
		For Colored Vinyl, Add	*19.02*	
		For Tinted Glass, Add	*22.82*	
		For Low-E Insulated Glass, Add	*47.54*	
		For Obscure Glass, Add	*52.29*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	307.53	56.55
		For Colored Vinyl, Add	*19.52*	
		For Tinted Glass, Add	*23.42*	
		For Low-E Insulated Glass, Add	*48.80*	
		For Obscure Glass, Add	*53.68*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	323.80	59.22
		For Colored Vinyl, Add	*20.54*	
		For Tinted Glass, Add	*24.64*	
		For Low-E Insulated Glass, Add	*51.34*	
		For Obscure Glass, Add	*56.47*	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	255.60	46.61
		For Colored Vinyl, Add	*16.31*	
		For Tinted Glass, Add	*19.58*	
		For Low-E Insulated Glass, Add	*40.79*	
		For Obscure Glass, Add	*44.86*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	280.28	51.20
		For Colored Vinyl, Add	*17.86*	
		For Tinted Glass, Add	*21.44*	
		For Low-E Insulated Glass, Add	*44.66*	
		For Obscure Glass, Add	*49.13*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	292.60	53.11
		For Colored Vinyl, Add	*18.64*	
		For Tinted Glass, Add	*22.37*	
		For Low-E Insulated Glass, Add	*46.60*	
		For Obscure Glass, Add	*51.25*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	304.95	55.41
		For Colored Vinyl, Add	*19.41*	
		For Tinted Glass, Add	*23.30*	
		For Low-E Insulated Glass, Add	*48.54*	
		For Obscure Glass, Add	*53.39*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	313.17	57.31
		For Colored Vinyl, Add	*19.93*	
		For Tinted Glass, Add	*23.92*	
		For Low-E Insulated Glass, Add	*49.83*	
		For Obscure Glass, Add	*54.81*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	329.60	59.99
		For Colored Vinyl, Add	*20.96*	
		For Tinted Glass, Add	*25.15*	
		For Low-E Insulated Glass, Add	*52.41*	
		For Obscure Glass, Add	*57.65*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	260.53	47.38
		For Colored Vinyl, Add	*16.65*	
		For Tinted Glass, Add	*19.98*	
		For Low-E Insulated Glass, Add	*41.64*	
		For Obscure Glass, Add	*45.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	285.50	51.96
		For Colored Vinyl, Add	*18.23*	
		For Tinted Glass, Add	*21.88*	
		For Low-E Insulated Glass, Add	*45.58*	
		For Obscure Glass, Add	*50.14*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	297.98	53.88
		For Colored Vinyl, Add	*19.02*	
		For Tinted Glass, Add	*22.83*	
		For Low-E Insulated Glass, Add	*47.56*	
		For Obscure Glass, Add	*52.31*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	310.44	56.17
		For Colored Vinyl, Add	*19.81*	
		For Tinted Glass, Add	*23.77*	
		For Low-E Insulated Glass, Add	*49.53*	
		For Obscure Glass, Add	*54.48*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	318.77	58.07
		For Colored Vinyl, Add	*20.34*	
		For Tinted Glass, Add	*24.41*	
		For Low-E Insulated Glass, Add	*50.85*	
		For Obscure Glass, Add	*55.93*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	335.43	60.75
		For Colored Vinyl, Add	*21.39*	
		For Tinted Glass, Add	*25.67*	
		For Low-E Insulated Glass, Add	*53.48*	
		For Obscure Glass, Add	*58.83*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	265.47	48.15
		For Colored Vinyl, Add	*16.99*	
		For Tinted Glass, Add	*20.39*	
		For Low-E Insulated Glass, Add	*42.49*	
		For Obscure Glass, Add	*46.73*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	290.73	52.73
		For Colored Vinyl, Add	*18.60*	
		For Tinted Glass, Add	*22.32*	
		For Low-E Insulated Glass, Add	*46.51*	
		For Obscure Glass, Add	*51.16*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	303.36	54.64
		For Colored Vinyl, Add	*19.41*	
		For Tinted Glass, Add	*23.29*	
		For Low-E Insulated Glass, Add	*48.52*	
		For Obscure Glass, Add	*53.37*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	315.97	56.94
		For Colored Vinyl, Add	*20.21*	
		For Tinted Glass, Add	*24.25*	
		For Low-E Insulated Glass, Add	*50.53*	
		For Obscure Glass, Add	*55.58*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	324.40	58.84
		For Colored Vinyl, Add	*20.75*	
		For Tinted Glass, Add	*24.90*	
		For Low-E Insulated Glass, Add	*51.87*	
		For Obscure Glass, Add	*57.06*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	341.26	61.52
		For Colored Vinyl, Add	*21.82*	
		For Tinted Glass, Add	*26.19*	
		For Low-E Insulated Glass, Add	*54.56*	
		For Obscure Glass, Add	*60.01*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	270.41	48.91
		For Colored Vinyl, Add	*17.34*	
		For Tinted Glass, Add	*20.80*	
		For Low-E Insulated Glass, Add	*43.34*	
		For Obscure Glass, Add	*47.67*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	295.94	53.49
		For Colored Vinyl, Add	*18.97*	
		For Tinted Glass, Add	*22.77*	
		For Low-E Insulated Glass, Add	*47.43*	
		For Obscure Glass, Add	*52.17*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	308.72	55.41
		For Colored Vinyl, Add	*19.79*	
		For Tinted Glass, Add	*23.75*	
		For Low-E Insulated Glass, Add	*49.48*	
		For Obscure Glass, Add	*54.43*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	321.49	57.69
		For Colored Vinyl, Add	*20.61*	
		For Tinted Glass, Add	*24.73*	
		For Low-E Insulated Glass, Add	*51.53*	
		For Obscure Glass, Add	*56.68*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	330.02	59.61
		For Colored Vinyl, Add	*21.16*	
		For Tinted Glass, Add	*25.39*	
		For Low-E Insulated Glass, Add	*52.89*	
		For Obscure Glass, Add	*58.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	347.05	62.28
		For Colored Vinyl, Add	*22.25*	
		For Tinted Glass, Add	*26.70*	
		For Low-E Insulated Glass, Add	*55.62*	
		For Obscure Glass, Add	*61.18*	

08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	275.33	49.68
		For Colored Vinyl, Add	*17.68*	
		For Tinted Glass, Add	*21.21*	
		For Low-E Insulated Glass, Add	*44.19*	
		For Obscure Glass, Add	*48.61*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	301.18	54.26
		For Colored Vinyl, Add	*19.34*	
		For Tinted Glass, Add	*23.21*	
		For Low-E Insulated Glass, Add	*48.36*	
		For Obscure Glass, Add	*53.19*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	314.09	56.17
		For Colored Vinyl, Add	*20.18*	
		For Tinted Glass, Add	*24.21*	
		For Low-E Insulated Glass, Add	*50.44*	
		For Obscure Glass, Add	*55.48*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	327.03	58.46
		For Colored Vinyl, Add	*21.01*	
		For Tinted Glass, Add	*25.21*	
		For Low-E Insulated Glass, Add	*52.53*	
		For Obscure Glass, Add	*57.78*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	335.64	60.37
		For Colored Vinyl, Add	*21.57*	
		For Tinted Glass, Add	*25.88*	
		For Low-E Insulated Glass, Add	*53.92*	
		For Obscure Glass, Add	*59.31*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	352.88	63.05
		For Colored Vinyl, Add	*22.68*	
		For Tinted Glass, Add	*27.21*	
		For Low-E Insulated Glass, Add	*56.70*	
		For Obscure Glass, Add	*62.37*	

08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	280.27	50.43
		For Colored Vinyl, Add	*18.02*	
		For Tinted Glass, Add	*21.62*	
		For Low-E Insulated Glass, Add	*45.04*	
		For Obscure Glass, Add	*49.54*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	306.40	55.02
		For Colored Vinyl, Add	*19.71*	
		For Tinted Glass, Add	*23.65*	
		For Low-E Insulated Glass, Add	*49.28*	
		For Obscure Glass, Add	*54.21*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	319.47	56.94
		For Colored Vinyl, Add	*20.56*	
		For Tinted Glass, Add	*24.67*	
		For Low-E Insulated Glass, Add	*51.40*	
		For Obscure Glass, Add	*56.54*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	332.55	59.22
		For Colored Vinyl, Add	*21.41*	
		For Tinted Glass, Add	*25.69*	
		For Low-E Insulated Glass, Add	*53.53*	
		For Obscure Glass, Add	*58.88*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	341.27	61.14
		For Colored Vinyl, Add	*21.98*	
		For Tinted Glass, Add	*26.37*	
		For Low-E Insulated Glass, Add	*54.94*	
		For Obscure Glass, Add	*60.43*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	358.68	63.81
		For Colored Vinyl, Add	*23.11*	
		For Tinted Glass, Add	*27.73*	
		For Low-E Insulated Glass, Add	*57.77*	
		For Obscure Glass, Add	*63.54*	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	304.04	52.73
		For Colored Vinyl, Add	*19.94*	
		For Tinted Glass, Add	*23.92*	
		For Low-E Insulated Glass, Add	*49.84*	
		For Obscure Glass, Add	*54.82*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	322.09	57.31
		For Colored Vinyl, Add	*20.82*	
		For Tinted Glass, Add	*24.99*	
		For Low-E Insulated Glass, Add	*52.06*	
		For Obscure Glass, Add	*57.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	335.61	59.22
		For Colored Vinyl, Add	*21.72*	
		For Tinted Glass, Add	*26.06*	
		For Low-E Insulated Glass, Add	*54.29*	
		For Obscure Glass, Add	*59.72*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	349.12	61.52
		For Colored Vinyl, Add	*22.61*	
		For Tinted Glass, Add	*27.13*	
		For Low-E Insulated Glass, Add	*56.52*	
		For Obscure Glass, Add	*62.17*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	358.13	63.43
		For Colored Vinyl, Add	*23.20*	
		For Tinted Glass, Add	*27.84*	
		For Low-E Insulated Glass, Add	*58.01*	
		For Obscure Glass, Add	*63.81*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	376.13	66.10
		For Colored Vinyl, Add	*24.39*	
		For Tinted Glass, Add	*29.27*	
		For Low-E Insulated Glass, Add	*60.98*	
		For Obscure Glass, Add	*67.08*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	309.54	40.12
		For Colored Vinyl, Add	*22.93*	
		For Tinted Glass, Add	*27.52*	
		For Low-E Insulated Glass, Add	*57.33*	
		For Obscure Glass, Add	*63.06*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	340.18	43.94
		For Colored Vinyl, Add	*25.23*	
		For Tinted Glass, Add	*30.28*	
		For Low-E Insulated Glass, Add	*63.08*	
		For Obscure Glass, Add	*69.38*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	368.81	47.76
		For Colored Vinyl, Add	*27.33*	
		For Tinted Glass, Add	*32.79*	
		For Low-E Insulated Glass, Add	*68.32*	
		For Obscure Glass, Add	*75.15*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	389.72	51.58
		For Colored Vinyl, Add	*28.66*	
		For Tinted Glass, Add	*34.39*	
		For Low-E Insulated Glass, Add	*71.64*	
		For Obscure Glass, Add	*78.80*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	411.75	55.41
		For Colored Vinyl, Add	*30.09*	
		For Tinted Glass, Add	*36.11*	
		For Low-E Insulated Glass, Add	*75.24*	
		For Obscure Glass, Add	*82.76*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	446.75	59.22
		For Colored Vinyl, Add	*32.83*	
		For Tinted Glass, Add	*39.40*	
		For Low-E Insulated Glass, Add	*82.08*	
		For Obscure Glass, Add	*90.28*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	3.74	0.49
		For Colored Vinyl, Add	*0.27*	
		For Tinted Glass, Add	*0.33*	
		For Low-E Insulated Glass, Add	*0.69*	
		For Obscure Glass, Add	*0.75*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	182.73	30.56
		For Colored Vinyl, Add	*12.16*	
		For Tinted Glass, Add	*14.59*	
		For Low-E Insulated Glass, Add	*30.40*	
		For Obscure Glass, Add	*33.44*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	196.92	30.56
		For Colored Vinyl, Add	*13.58*	
		For Tinted Glass, Add	*16.29*	
		For Low-E Insulated Glass, Add	*33.95*	
		For Obscure Glass, Add	*37.34*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	205.02	30.56
		For Colored Vinyl, Add	*14.39*	
		For Tinted Glass, Add	*17.27*	
		For Low-E Insulated Glass, Add	*35.97*	
		For Obscure Glass, Add	*39.57*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	231.87	29.81
		For Colored Vinyl, Add	*17.23*	
		For Tinted Glass, Add	*20.67*	
		For Low-E Insulated Glass, Add	*43.07*	
		For Obscure Glass, Add	*47.37*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	258.26	34.39
		For Colored Vinyl, Add	*18.95*	
		For Tinted Glass, Add	*22.74*	
		For Low-E Insulated Glass, Add	*47.37*	
		For Obscure Glass, Add	*52.11*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	4.45	0.49
		For Colored Vinyl, Add	*0.35*	
		For Tinted Glass, Add	*0.41*	
		For Low-E Insulated Glass, Add	*0.86*	
		For Obscure Glass, Add	*0.95*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	28.37
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	36.48
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	46.98
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	55.45
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	68.17

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	64.48
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	77.38
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	97.64
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	121.59
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	145.54

08 53 66 Vinyl Window Screens *(08 53)*

08 53 66 00-0001 Insect Screens For Vinyl Windows *(08 53 66)*

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	32.22	6.90
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	43.28	6.90
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	46.96	6.90
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	54.33	6.90
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	70.91	6.90
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	78.28	6.90
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	89.33	6.90
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	96.70	6.90
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	2.92	0.14

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,757.70	474.20
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,023.74	513.72
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,185.95	553.24
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,971.88	632.27
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,404.76	948.41
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	30.84	5.73
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	34.70	5.73

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 56 56 Security Window Screens *(08 56)*

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	18.57	3.55
		For Painted Steel, Add	*1.38*	
		For Galvanized Steel, Add	*2.77*	
		For Aluminum, Add	*5.53*	
		For Stainless Steel, Add	*24.20*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	18.97	3.55
		For Painted Steel, Add	*1.42*	
		For Galvanized Steel, Add	*2.85*	
		For Aluminum, Add	*5.69*	
		For Stainless Steel, Add	*24.90*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	20.79	3.55
		For Painted Steel, Add	*1.61*	
		For Galvanized Steel, Add	*3.21*	
		For Aluminum, Add	*6.42*	
		For Stainless Steel, Add	*28.09*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	24.70	3.55
		For Painted Steel, Add	*2.00*	
		For Galvanized Steel, Add	*3.99*	
		For Aluminum, Add	*7.98*	
		For Stainless Steel, Add	*34.93*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	26.02	4.35
		For Painted Steel, Add	*1.97*	
		For Galvanized Steel, Add	*3.94*	
		For Aluminum, Add	*7.88*	
		For Stainless Steel, Add	*34.48*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	26.62	4.35
		For Painted Steel, Add	*2.03*	
		For Galvanized Steel, Add	*4.06*	
		For Aluminum, Add	*8.12*	
		For Stainless Steel, Add	*35.53*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	29.24	4.35
		For Painted Steel, Add	*2.29*	
		For Galvanized Steel, Add	*4.58*	
		For Aluminum, Add	*9.17*	
		For Stainless Steel, Add	*40.11*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	34.71	4.35
		For Painted Steel, Add	*2.84*	
		For Galvanized Steel, Add	*5.68*	
		For Aluminum, Add	*11.36*	
		For Stainless Steel, Add	*49.68*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	12.20	2.37
		For Painted Steel, Add	*0.41*	
		For Galvanized Steel, Add	*1.24*	
		For Aluminum, Add	*2.48*	
		For Stainless Steel, Add	*10.31*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	12.75	2.37
		For Painted Steel, Add	*0.44*	
		For Galvanized Steel, Add	*1.32*	
		For Aluminum, Add	*2.64*	
		For Stainless Steel, Add	*11.00*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	13.63	2.37
		For Painted Steel, Add	*0.48*	
		For Galvanized Steel, Add	*1.45*	
		For Aluminum, Add	*2.90*	
		For Stainless Steel, Add	*12.10*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	15.29	2.37
		For Painted Steel, Add	*0.57*	
		For Galvanized Steel, Add	*1.70*	
		For Aluminum, Add	*3.40*	
		For Stainless Steel, Add	*14.18*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	16.49	3.16
		For Painted Steel, Add	*0.59*	
		For Galvanized Steel, Add	*1.76*	
		For Aluminum, Add	*3.53*	
		For Stainless Steel, Add	*14.69*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	17.35	3.16
		For Painted Steel, Add	*0.63*	
		For Galvanized Steel, Add	*1.89*	
		For Aluminum, Add	*3.78*	
		For Stainless Steel, Add	*15.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	18.54	3.16
		For Painted Steel, Add	*0.69*	
		For Galvanized Steel, Add	*2.07*	
		For Aluminum, Add	*4.14*	
		For Stainless Steel, Add	*17.25*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	20.92	3.16
		For Painted Steel, Add	*0.81*	
		For Galvanized Steel, Add	*2.43*	
		For Aluminum, Add	*4.85*	
		For Stainless Steel, Add	*20.23*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	23.21	5.93
		For Painted Steel, Add	*0.81*	
		For Galvanized Steel, Add	*2.42*	
		For Aluminum, Add	*4.83*	
		For Stainless Steel, Add	*20.13*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	27.09	7.11
		For Painted Steel, Add	*0.92*	
		For Galvanized Steel, Add	*2.76*	
		For Aluminum, Add	*5.52*	
		For Stainless Steel, Add	*23.00*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	30.34	8.69
		For Painted Steel, Add	*1.00*	
		For Galvanized Steel, Add	*3.01*	
		For Aluminum, Add	*6.02*	
		For Stainless Steel, Add	*25.09*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	35.57	10.27
		For Painted Steel, Add	*1.15*	
		For Galvanized Steel, Add	*3.44*	
		For Aluminum, Add	*6.88*	
		For Stainless Steel, Add	*28.65*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	33.11	9.88
		For Painted Steel, Add	*1.06*	
		For Galvanized Steel, Add	*3.19*	
		For Aluminum, Add	*6.38*	
		For Stainless Steel, Add	*26.58*	
08 56 56 00-0030	SF	3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	41.75	12.65
		For Painted Steel, Add	*1.34*	
		For Galvanized Steel, Add	*4.01*	
		For Aluminum, Add	*8.02*	
		For Stainless Steel, Add	*33.41*	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	23.11	7.11
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.16*	
		For Aluminum, Add	*4.33*	
		For Stainless Steel, Add	*18.03*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	36.52	8.69
		For Painted Steel, Add	*1.31*	
		For Galvanized Steel, Add	*3.94*	
		For Aluminum, Add	*7.88*	
		For Stainless Steel, Add	*32.81*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	40.48	9.88
		For Painted Steel, Add	*1.43*	
		For Galvanized Steel, Add	*4.29*	
		For Aluminum, Add	*8.59*	
		For Stainless Steel, Add	*35.79*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	43.73	11.07
		For Painted Steel, Add	*1.52*	
		For Galvanized Steel, Add	*4.55*	
		For Aluminum, Add	*9.09*	
		For Stainless Steel, Add	*37.88*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	47.68	12.65
		For Painted Steel, Add	*1.63*	
		For Galvanized Steel, Add	*4.90*	
		For Aluminum, Add	*9.80*	
		For Stainless Steel, Add	*40.83*	
08 56 56 00-0037	SF	3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	54.67	13.83
		For Painted Steel, Add	*1.90*	
		For Galvanized Steel, Add	*5.71*	
		For Aluminum, Add	*11.42*	
		For Stainless Steel, Add	*47.59*	

08 56 56 00-0038 Perforated Metal Security Screen *(08 56 56)*

08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	20.76	3.55
		For Painted Steel, Add	*0.80*	
		For Galvanized Steel, Add	*2.40*	
		For Aluminum, Add	*4.81*	
		For Stainless Steel, Add	*16.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	21.40	3.55
		For Painted Steel, Add	*0.83*	
		For Galvanized Steel, Add	*2.50*	
		For Aluminum, Add	*5.00*	
		For Stainless Steel, Add	*16.66*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	23.54	3.55
		For Painted Steel, Add	*0.94*	
		For Galvanized Steel, Add	*2.82*	
		For Aluminum, Add	*5.64*	
		For Stainless Steel, Add	*18.80*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	27.58	3.55
		For Painted Steel, Add	*1.14*	
		For Galvanized Steel, Add	*3.43*	
		For Aluminum, Add	*6.85*	
		For Stainless Steel, Add	*22.84*	

08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	29.08	4.35
		For Painted Steel, Add	*1.14*	
		For Galvanized Steel, Add	*3.41*	
		For Aluminum, Add	*6.83*	
		For Stainless Steel, Add	*22.76*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	30.19	4.35
		For Painted Steel, Add	*1.19*	
		For Galvanized Steel, Add	*3.58*	
		For Aluminum, Add	*7.16*	
		For Stainless Steel, Add	*23.87*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	32.97	4.35
		For Painted Steel, Add	*1.33*	
		For Galvanized Steel, Add	*4.00*	
		For Aluminum, Add	*8.00*	
		For Stainless Steel, Add	*26.65*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	38.76	4.35
		For Painted Steel, Add	*1.62*	
		For Galvanized Steel, Add	*4.87*	
		For Aluminum, Add	*9.73*	
		For Stainless Steel, Add	*32.44*	

08 56 56 00-0049 Remove And Reinstall Security Screens And Guards *(08 56 56)*

08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	9.94
08 56 56 00-0051	SF	Remove And Reinstall Exterior Security Window Guards	7.58

See CSI section 01 22 23 00-0001 for lifting equipment, 05 05 19 00-0001 for anchors.

08 60 Roof Windows And Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights *(08 62 23)*

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	778.88	123.99
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*591.43*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	822.04	127.08
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*592.05*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	863.95	130.18
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*592.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	923.12	133.29
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*593.29*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	974.90	136.39
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*593.91*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,016.82	139.49
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*594.53*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,058.74	142.59
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*595.15*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,127.76	145.68
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*595.77*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,169.67	148.78
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*596.39*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,212.84	151.88
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*597.01*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,254.76	154.98
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*597.63*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,323.77	158.09
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*598.25*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,365.69	161.19
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*598.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,407.63	164.28
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*599.49*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,449.54	167.38
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*600.11*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	945.17	123.99
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*591.43*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,004.35	127.08
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*592.05*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,063.50	130.18
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*592.67*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,122.67	133.29
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*593.29*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,218.79	136.39
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*593.91*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,277.96	139.49
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*594.53*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,337.13	142.59
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*595.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,433.25	145.68
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*595.77*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,492.41	148.78
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*596.39*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,551.58	151.88
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*597.01*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,610.75	154.98
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*597.63*	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,706.86	158.09
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*598.25*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,766.03	161.19
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*598.87*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,825.21	164.28
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*599.49*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,884.36	167.38
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*600.11*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,263.18	139.49
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*594.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,345.75	142.59
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*595.15*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,429.55	145.68
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*595.77*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,512.11	148.78
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*596.39*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,643.97	151.88
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*597.01*	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,726.54	154.98
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*597.63*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,809.10	158.09
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*598.25*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,942.18	161.19
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*598.87*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,024.76	164.28
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*599.49*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,107.32	167.38
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*600.11*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,189.89	170.48
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*600.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,321.74	173.58
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*601.35*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,404.32	176.68
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*601.97*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,488.11	179.78
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*602.59*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,570.68	182.88
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*603.21*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	272.86	62.00
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	315.22	62.00
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	431.17	69.74
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	487.81	77.49
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	337.00	62.00
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	415.44	69.74
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	442.07	69.74
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	509.60	77.49
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	595.30	85.24
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	420.28	69.74
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	464.82	77.49
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	515.65	77.49
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	567.46	85.24
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	628.95	92.99
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	708.59	100.74
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	501.13	77.49
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	551.72	85.24
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	630.16	92.99
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	661.63	92.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	765.47	100.74

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	333.37	62.00
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	374.52	62.00
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	478.37	69.74
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	536.22	77.49
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	380.57	62.00
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	449.33	69.74
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	478.37	69.74
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	550.75	77.49
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	619.50	85.24
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	454.17	69.74
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	503.55	77.49
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	536.22	77.49
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	590.45	85.24
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	641.05	92.99
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	721.90	100.74
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	541.07	77.49
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	595.30	85.24
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	655.58	92.99
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	689.46	92.99
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	783.62	100.74

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	338.21	62.00
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	384.20	62.00
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	491.69	69.74
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	392.68	62.00
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	466.27	69.74
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	491.69	69.74
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	565.27	77.49
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	465.06	69.74
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	513.23	77.49
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	551.96	77.49
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	606.19	85.24
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	660.42	92.99
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	555.59	77.49
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	614.66	85.24
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	674.94	92.99
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	708.83	92.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0063		FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	346.69	62.00
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	397.52	62.00
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	503.79	69.74
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	579.80	77.49
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	404.78	62.00
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	477.16	69.74
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	503.79	69.74
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	583.43	77.49
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	478.37	69.74
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	526.54	77.49
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	568.90	77.49
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	624.34	85.24
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	679.78	92.99
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	573.74	77.49
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	632.81	85.24
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	694.31	92.99
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	730.62	92.99
08 63 13 00-0081		Curb Top Inserts *(08 63 13 00-0003)* Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	106.34	30.99
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	149.81	34.87
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	255.59	46.50
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	236.75	42.63
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	290.08	46.50
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	156.85	30.99
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	247.12	34.87
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	431.73	46.50
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	423.98	42.63
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	533.97	46.50
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	206.12	30.99
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	339.50	34.87
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	648.53	46.50
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	598.90	42.63
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	760.63	46.50
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	251.07	62.00
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	303.11	62.00
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	386.39	69.74
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	487.81	77.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	345.47	62.00
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	399.94	62.00
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	474.74	69.74
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	568.90	77.49
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	295.85	62.00
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	394.86	69.74
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	468.45	77.49
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	369.45	69.74
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	394.86	69.74
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	482.97	77.49
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	569.88	85.24
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	432.14	77.49
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	468.45	77.49
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	523.89	85.24
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	575.70	92.99
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	681.96	100.74
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	538.41	85.24
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	612.01	92.99
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	649.52	92.99
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	752.16	100.74
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	337.00	62.00
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	380.57	62.00
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	484.43	69.74
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	389.05	62.00
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	436.01	69.74
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	459.01	69.74
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	484.43	69.74
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	559.22	77.49
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	460.22	69.74
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	508.39	77.49
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	544.70	77.49
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	597.72	85.24
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	650.74	92.99
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	547.12	77.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	606.19	85.24
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	665.26	92.99
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	697.94	92.99
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	376.94	62.00
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	500.16	69.74
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	472.32	69.74
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	500.16	69.74
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	578.58	77.49
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	522.91	77.49
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	562.85	77.49
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	619.50	85.24
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	670.10	92.99
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	627.97	85.24
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	689.46	92.99
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	724.56	92.99
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)*		
		Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,599.61	92.99
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,489.47	92.99
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,680.70	92.99
08 63 13 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,082.52	92.99
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,977.22	92.99
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,192.66	92.99
08 63 13 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,221.70	92.99
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,113.99	92.99
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,329.42	92.99
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,606.87	92.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,496.73	92.99
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,691.59	92.99
08 63 13 00-0180		**25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights** *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,092.20	92.99
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,984.49	92.99
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,204.76	92.99
08 63 13 00-0184		**30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights** *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,228.97	92.99
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,121.25	92.99
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,341.52	92.99

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) *(08 66)*

08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	492.42	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*75.34*	
		For Aluminum Shingle Flashing, Add	*60.27*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	504.72	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*78.42*	
		For Aluminum Shingle Flashing, Add	*62.73*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	475.51	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*71.12*	
		For Aluminum Shingle Flashing, Add	*56.89*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	513.95	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*80.73*	
		For Aluminum Shingle Flashing, Add	*64.58*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	546.24	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*88.80*	
		For Aluminum Shingle Flashing, Add	*71.04*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	598.52	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*101.87*	
		For Aluminum Shingle Flashing, Add	*81.49*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	664.63	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*118.40*	
		For Aluminum Shingle Flashing, Add	*94.72*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	475.51	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*71.12*	
		For Aluminum Shingle Flashing, Add	*56.89*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	553.93	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*90.72*	
		For Aluminum Shingle Flashing, Add	*72.58*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	598.52	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*101.87*	
		For Aluminum Shingle Flashing, Add	*81.49*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	649.26	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*114.55*	
		For Aluminum Shingle Flashing, Add	*91.64*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	716.91	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*131.47*	
		For Aluminum Shingle Flashing, Add	*105.17*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	492.42	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*75.34*	
		For Aluminum Shingle Flashing, Add	*60.27*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	513.95	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*80.73*	
		For Aluminum Shingle Flashing, Add	*64.58*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	553.93	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*90.72*	
		For Aluminum Shingle Flashing, Add	*72.58*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	695.39	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*126.09*	
		For Aluminum Shingle Flashing, Add	*100.87*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	504.72	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*78.42*	
		For Aluminum Shingle Flashing, Add	*62.73*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	546.24	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*88.80*	
		For Aluminum Shingle Flashing, Add	*71.04*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	598.52	95.53
		For Tempered Laminated Low-E Insulated Glass, Add	*101.87*	
		For Aluminum Shingle Flashing, Add	*81.49*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0021		EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	695.39	95.53
			For Tempered Laminated Low-E Insulated Glass, Add	*126.09*	
			For Aluminum Shingle Flashing, Add	*100.87*	
08 66 00 00-0022		EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	598.52	95.53
			For Tempered Laminated Low-E Insulated Glass, Add	*101.87*	
			For Aluminum Shingle Flashing, Add	*81.49*	
08 66 00 00-0023		EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	649.26	95.53
			For Tempered Laminated Low-E Insulated Glass, Add	*114.55*	
			For Aluminum Shingle Flashing, Add	*91.64*	
08 66 00 00-0024		EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	664.63	95.53
			For Tempered Laminated Low-E Insulated Glass, Add	*118.40*	
			For Aluminum Shingle Flashing, Add	*94.72*	
08 66 00 00-0025		EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	716.91	95.53
			For Tempered Laminated Low-E Insulated Glass, Add	*131.47*	
			For Aluminum Shingle Flashing, Add	*105.17*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of exisiting door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004		PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	62.05	5.35
			For Clear Coated Bright Brass, Add	*4.73*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005		PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	68.13	7.64
			For Clear Coated Bright Brass, Add	*5.26*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006		PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	75.08	8.41
			For Clear Coated Bright Brass, Add	*4.40*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008		PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	72.14	5.35
			For Clear Coated Bright Brass, Add	*6.06*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009		PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	81.51	7.64
			For Clear Coated Bright Brass, Add	*6.06*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010		PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	81.93	8.41
			For Clear Coated Bright Brass, Add	*5.36*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011		PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	95.72	9.94
			For Clear Coated Bright Brass, Add	*6.27*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012		PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	96.40	9.94
			For Clear Coated Bright Brass, Add	*6.36*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013		PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	104.19	12.76
			For Clear Coated Bright Brass, Add	*7.46*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015		PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	82.58	5.35
08 71 11 00-0016		PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	91.95	7.64
08 71 11 00-0017		PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	93.28	8.41
08 71 11 00-0018		PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	108.24	9.94

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020		PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	104.70	8.41
			For Clear Coated Bright Brass, Add	*8.55*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0021		PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	118.68	9.94
			For Clear Coated Bright Brass, Add	*9.48*	
			For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	133.02	9.94
		For Clear Coated Bright Brass, Add	*11.49*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into mortised edge of the door and surface applied to the face of the frame.

08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	107.53	8.41
		For Clear Coated Bright Brass, Add	*8.94*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	126.75	9.94
		For Clear Coated Bright Brass, Add	*10.61*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0026 Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	104.10	8.41
		For Clear Coated Bright Brass, Add	*8.46*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	120.24	12.76
		For Clear Coated Bright Brass, Add	*9.70*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0029 Mortised, Wrought Steel Hinges *(08 71 11 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 11 00-0030 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0029)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0031	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	37.93	5.35
		For Primed For Paint Finish, Deduct	*-1.82*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.14*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.09*	
		For Stainless Steel, Add	*5.00*	
		For Heavy Duty, Add	*1.36*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0032	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	48.24	7.64
		For Primed For Paint Finish, Deduct	*-2.01*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.25*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.20*	
		For Stainless Steel, Add	*5.52*	
		For Heavy Duty, Add	*1.50*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0033	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	55.89	8.41
		For Primed For Paint Finish, Deduct	*-2.45*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.53*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.47*	
		For Stainless Steel, Add	*6.73*	
		For Heavy Duty, Add	*1.83*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0034 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0029)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0035	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	61.98	5.35
		For Primed For Paint Finish, Deduct	*-6.63*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.14*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.98*	
		For Stainless Steel, Add	*18.23*	
		For Heavy Duty, Add	*4.97*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0036	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	75.74	7.64
		For Primed For Paint Finish, Deduct	*-7.51*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.69*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.50*	
		For Stainless Steel, Add	*20.64*	
		For Heavy Duty, Add	*5.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	93.66	8.41
		For Primed For Paint Finish, Deduct	*-10.00*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.25*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-6.00*	
		For Stainless Steel, Add	*27.50*	
		For Heavy Duty, Add	*7.50*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	105.81	9.94
		For Primed For Paint Finish, Deduct	*-10.97*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.86*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-6.58*	
		For Stainless Steel, Add	*30.18*	
		For Heavy Duty, Add	*8.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0039	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	113.55	9.94
		For Primed For Paint Finish, Deduct	*-12.52*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.51*	
		For Stainless Steel, Add	*34.44*	
		For Heavy Duty, Add	*9.39*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0040	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	137.16	9.94
		For Primed For Paint Finish, Deduct	*-17.24*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.78*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.35*	
		For Stainless Steel, Add	*47.42*	
		For Heavy Duty, Add	*12.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0041 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0029)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0042	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	75.87	5.35
		For Primed For Paint Finish, Deduct	*-9.41*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.88*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-5.64*	
		For Stainless Steel, Add	*25.87*	
		For Heavy Duty, Add	*7.05*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0043	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	91.51	7.64
		For Primed For Paint Finish, Deduct	*-10.66*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.66*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-6.40*	
		For Stainless Steel, Add	*29.32*	
		For Heavy Duty, Add	*8.00*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	103.23	8.41
		For Primed For Paint Finish, Deduct	*-11.91*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.45*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.15*	
		For Stainless Steel, Add	*32.76*	
		For Heavy Duty, Add	*8.94*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	116.78	9.94
		For Primed For Paint Finish, Deduct	*-13.17*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.23*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.90*	
		For Stainless Steel, Add	*36.21*	
		For Heavy Duty, Add	*9.88*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0046 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0029)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0047	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	105.62	8.41
		For Primed For Paint Finish, Deduct	*-13.48*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.43*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.09*	
		For Stainless Steel, Add	*37.08*	
		For Heavy Duty, Add	*10.11*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0048	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	118.25	8.41
		For Primed For Paint Finish, Deduct	*-14.92*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.32*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.95*	
		For Stainless Steel, Add	*41.02*	
		For Heavy Duty, Add	*11.19*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	137.16	9.94
		For Primed For Paint Finish, Deduct	*-17.24*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.78*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.35*	
		For Stainless Steel, Add	*47.42*	
		For Heavy Duty, Add	*12.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0050 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0029)*

Note: Both leaves slide into a cavity prepared in the door and door frame.

08 71 11 00-0051	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	95.28	8.41
		For Primed For Paint Finish, Deduct	*-10.32*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.45*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-6.19*	
		For Stainless Steel, Add	*28.39*	
		For Heavy Duty, Add	*7.74*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0052 Blank Butt Hinges *(08 71 11 00-0029)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0053	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	20.23	3.43
		For Primed For Paint Finish, Deduct	*-1.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*0.82*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-0.79*	
		For Stainless Steel, Add	*3.61*	
		For Heavy Duty, Add	*0.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0054		Full Mortise, Single Acting Spring, Wrought Steel Hinges *(08 71 11 00-0029)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0055	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	78.15	5.35
		For Primed For Paint Finish, Deduct	*-9.86*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.16*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-5.92*	
		For Stainless Steel, Add	*27.12*	
08 71 11 00-0056	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	102.71	7.64
		For Primed For Paint Finish, Deduct	*-12.90*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.06*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.74*	
		For Stainless Steel, Add	*35.48*	
08 71 11 00-0057	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	138.53	8.41
		For Primed For Paint Finish, Deduct	*-18.97*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*11.86*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-11.38*	
		For Stainless Steel, Add	*52.18*	
08 71 11 00-0058		Offset And Pivot Hinges *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0059		Offset Swing Clear Hinges *(08 71 11 00-0058)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0060	EA	4-1/2", Swing Clear, Offset Hinges	142.68	2.39
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*25.30*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*40.74*	
08 71 11 00-0061		Offset Pivot Hinges *(08 71 11 00-0058)*		
08 71 11 00-0062		3/4" Offset Pivot Hinges *(08 71 11 00-0061)*		
08 71 11 00-0063		3/4" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0064		Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0065		200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0066	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	96.40	7.64
08 71 11 00-0067	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	129.58	7.64
08 71 11 00-0068	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	148.02	7.64
08 71 11 00-0069	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	148.02	7.64
08 71 11 00-0070	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	148.02	7.64
08 71 11 00-0071	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	148.02	7.64
08 71 11 00-0072	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	148.02	7.64
08 71 11 00-0073	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	105.99	7.64
08 71 11 00-0074	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	134.76	7.64
08 71 11 00-0075	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	153.92	7.64
08 71 11 00-0076	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	153.92	7.64
08 71 11 00-0077	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	153.92	7.64
08 71 11 00-0078	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	153.92	7.64
08 71 11 00-0079	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	153.92	7.64
08 71 11 00-0080	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	96.40	7.64
08 71 11 00-0081	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	129.58	7.64
08 71 11 00-0082	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	148.02	7.64
08 71 11 00-0083	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	148.02	7.64
08 71 11 00-0084	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	148.02	7.64
08 71 11 00-0085	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	148.02	7.64
08 71 11 00-0086	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	148.02	7.64
08 71 11 00-0087		500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0088	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	100.21	9.56
08 71 11 00-0089	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	133.39	9.56
08 71 11 00-0090	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	151.83	9.56
08 71 11 00-0091	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	151.83	9.56
08 71 11 00-0092	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	151.83	9.56
08 71 11 00-0093	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	151.83	9.56
08 71 11 00-0094	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	151.83	9.56
08 71 11 00-0095		600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0096	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	100.21	9.56
08 71 11 00-0097	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	133.39	9.56
08 71 11 00-0098	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	151.83	9.56
08 71 11 00-0099	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	151.83	9.56
08 71 11 00-0100	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	151.83	9.56
08 71 11 00-0101	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	151.83	9.56
08 71 11 00-0102	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	151.83	9.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0103		700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0104	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	100.21	9.56
08 71 11 00-0105	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	133.39	9.56
08 71 11 00-0106	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	151.83	9.56
08 71 11 00-0107	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	151.83	9.56
08 71 11 00-0108	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	151.83	9.56
08 71 11 00-0109	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	151.83	9.56
08 71 11 00-0110	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	151.83	9.56
08 71 11 00-0111		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0112		200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0111)*		
08 71 11 00-0113	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	119.99	7.64
08 71 11 00-0114	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	148.02	7.64
08 71 11 00-0115	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	167.93	7.64
08 71 11 00-0116	EA	Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	167.93	7.64
08 71 11 00-0117	EA	Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	167.93	7.64
08 71 11 00-0118	EA	Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	167.93	7.64
08 71 11 00-0119	EA	Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	167.93	7.64
08 71 11 00-0120		500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0111)*		
08 71 11 00-0121	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	133.39	9.56
08 71 11 00-0122	EA	Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	142.24	9.56
08 71 11 00-0123	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	157.73	9.56
08 71 11 00-0124	EA	Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	157.73	9.56
08 71 11 00-0125	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	157.73	9.56
08 71 11 00-0126	EA	Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	157.73	9.56
08 71 11 00-0127	EA	Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	157.73	9.56
08 71 11 00-0128		600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0111)*		
08 71 11 00-0129	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	133.39	9.56
08 71 11 00-0130	EA	Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	142.24	9.56
08 71 11 00-0131	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	157.73	9.56
08 71 11 00-0132	EA	Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	157.73	9.56
08 71 11 00-0133	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	157.73	9.56
08 71 11 00-0134	EA	Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	157.73	9.56
08 71 11 00-0135	EA	Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	157.73	9.56
08 71 11 00-0136		700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0111)*		
08 71 11 00-0137	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	133.39	9.56
08 71 11 00-0138	EA	Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	142.24	9.56
08 71 11 00-0139	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	157.73	9.56
08 71 11 00-0140	EA	Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	157.73	9.56
08 71 11 00-0141	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	157.73	9.56
08 71 11 00-0142	EA	Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	157.73	9.56
08 71 11 00-0143	EA	Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	157.73	9.56
08 71 11 00-0144		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0145		200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0144)*		
08 71 11 00-0146	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	105.99	7.64
08 71 11 00-0147	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	134.76	7.64
08 71 11 00-0148	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	153.92	7.64
08 71 11 00-0149	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	153.92	7.64
08 71 11 00-0150	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	153.92	7.64
08 71 11 00-0151	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	153.92	7.64
08 71 11 00-0152	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	153.92	7.64
08 71 11 00-0153	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	105.99	7.64
08 71 11 00-0154	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	134.76	7.64
08 71 11 00-0155	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	153.92	7.64
08 71 11 00-0156	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	153.92	7.64
08 71 11 00-0157	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	153.92	7.64
08 71 11 00-0158	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	153.92	7.64
08 71 11 00-0159	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	153.92	7.64
08 71 11 00-0160	EA	Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	91.98	7.64
08 71 11 00-0161	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	125.17	7.64
08 71 11 00-0162	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	144.33	7.64
08 71 11 00-0163	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	144.33	7.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0164	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	144.33	7.64
08 71 11 00-0165	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	144.33	7.64
08 71 11 00-0166	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	144.33	7.64
08 71 11 00-0167		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0144)*		
08 71 11 00-0168	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	161.42	9.56
08 71 11 00-0169	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	171.74	9.56
08 71 11 00-0170	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	171.74	9.56
08 71 11 00-0171	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	171.74	9.56
08 71 11 00-0172	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	171.74	9.56
08 71 11 00-0173	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	171.74	9.56
08 71 11 00-0174	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	174.69	9.56
08 71 11 00-0175		600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0144)*		
08 71 11 00-0176	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	138.57	9.56
08 71 11 00-0177	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	151.83	9.56
08 71 11 00-0178	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	161.42	9.56
08 71 11 00-0179	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	161.42	9.56
08 71 11 00-0180	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	161.42	9.56
08 71 11 00-0181	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	161.42	9.56
08 71 11 00-0182	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	161.42	9.56
08 71 11 00-0183		700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0144)*		
08 71 11 00-0184	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	318.48	9.56
08 71 11 00-0185	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	342.07	9.56
08 71 11 00-0186	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	379.69	9.56
08 71 11 00-0187	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	379.69	9.56
08 71 11 00-0188	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	379.69	9.56
08 71 11 00-0189	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	379.69	9.56
08 71 11 00-0190	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	379.69	9.56
08 71 11 00-0191		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0192		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0191)*		
08 71 11 00-0193		500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0194	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	189.45	9.56
08 71 11 00-0195	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	224.09	9.56
08 71 11 00-0196	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	252.12	9.56
08 71 11 00-0197	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	252.12	9.56
08 71 11 00-0198	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	252.12	9.56
08 71 11 00-0199		600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0200	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	189.45	9.56
08 71 11 00-0201	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	224.09	9.56
08 71 11 00-0202	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	252.12	9.56
08 71 11 00-0203	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	252.12	9.56
08 71 11 00-0204	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	252.12	9.56
08 71 11 00-0205		700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0206	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	189.45	9.56
08 71 11 00-0207	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	224.09	9.56
08 71 11 00-0208	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	252.12	9.56
08 71 11 00-0209	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	252.12	9.56
08 71 11 00-0210	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	252.12	9.56
08 71 11 00-0211		1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0212	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	199.16	11.46
08 71 11 00-0213	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	227.92	11.46
08 71 11 00-0214	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	241.20	11.46
08 71 11 00-0215	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	241.20	11.46
08 71 11 00-0216	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	241.20	11.46
08 71 11 00-0217		1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0218	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	199.16	11.46
08 71 11 00-0219	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	227.92	11.46
08 71 11 00-0220	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	241.20	11.46
08 71 11 00-0221	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	241.20	11.46
08 71 11 00-0222	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	241.20	11.46
08 71 11 00-0223		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0191)*		
08 71 11 00-0224		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0223)*		
08 71 11 00-0225	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	195.33	9.56
08 71 11 00-0226	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	227.78	9.56
08 71 11 00-0227	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	237.37	9.56
08 71 11 00-0228	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	237.37	9.56
08 71 11 00-0229	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	237.37	9.56
08 71 11 00-0230		600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0223)*		
08 71 11 00-0231	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	195.33	9.56
08 71 11 00-0232	EA	Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	227.78	9.56
08 71 11 00-0233	EA	Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	237.37	9.56
08 71 11 00-0234	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	237.37	9.56
08 71 11 00-0235	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	237.37	9.56
08 71 11 00-0236		700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0223)*		
08 71 11 00-0237	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	195.33	9.56
08 71 11 00-0238	EA	Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	227.78	9.56
08 71 11 00-0239	EA	Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	237.37	9.56
08 71 11 00-0240	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	237.37	9.56
08 71 11 00-0241	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	237.37	9.56
08 71 11 00-0242		1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0223)*		
08 71 11 00-0243	EA	Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	218.34	11.46
08 71 11 00-0244	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	251.52	11.46
08 71 11 00-0245	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	260.36	11.46
08 71 11 00-0246	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	260.36	11.46
08 71 11 00-0247	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	260.36	11.46

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0248			1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0223)*		
	08 71 11 00-0249	EA	Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	218.34	11.46
	08 71 11 00-0250	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	251.52	11.46
	08 71 11 00-0251	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	260.36	11.46
	08 71 11 00-0252	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	260.36	11.46
	08 71 11 00-0253	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	260.36	11.46
08 71 11 00-0254			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0191)*		
08 71 11 00-0255			500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0254)*		
	08 71 11 00-0256	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	218.20	9.56
	08 71 11 00-0257	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	270.56	9.56
	08 71 11 00-0258	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	290.46	9.56
	08 71 11 00-0259	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	290.46	9.56
	08 71 11 00-0260	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	290.46	9.56
08 71 11 00-0261			600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0254)*		
	08 71 11 00-0262	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	214.51	9.56
	08 71 11 00-0263	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	227.78	9.56
	08 71 11 00-0264	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	261.71	9.56
	08 71 11 00-0265	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	261.71	9.56
	08 71 11 00-0266	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	261.71	9.56
08 71 11 00-0267			1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0254)*		
	08 71 11 00-0268	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	246.36	11.46
	08 71 11 00-0269	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	274.39	11.46
	08 71 11 00-0270	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	284.70	11.46
	08 71 11 00-0271	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	284.70	11.46
	08 71 11 00-0272	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	284.70	11.46
08 71 11 00-0273			1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0254)*		
	08 71 11 00-0274	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	350.33	11.46
	08 71 11 00-0275	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	373.93	11.46
	08 71 11 00-0276	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	383.52	11.46
	08 71 11 00-0277	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	383.52	11.46
	08 71 11 00-0278	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	383.52	11.46
08 71 11 00-0279			1-1/2" Offset Pivot Hinges *(08 71 11 00-0061)*		
08 71 11 00-0280			Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0279)*		
08 71 11 00-0281			Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282			400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
	08 71 11 00-0283	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	224.09	9.56
	08 71 11 00-0284	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	242.53	9.56
	08 71 11 00-0285	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	256.53	9.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0286	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	256.53	9.56
08 71 11 00-0287	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	256.53	9.56
08 71 11 00-0288		500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0289	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	224.09	9.56
08 71 11 00-0290	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	242.53	9.56
08 71 11 00-0291	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	256.53	9.56
08 71 11 00-0292	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	256.53	9.56
08 71 11 00-0293	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	256.53	9.56
08 71 11 00-0294		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0295		400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0294)*		
08 71 11 00-0296	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	232.94	9.56
08 71 11 00-0297	EA	Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	261.71	9.56
08 71 11 00-0298	EA	Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	275.71	9.56
08 71 11 00-0299	EA	Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	275.71	9.56
08 71 11 00-0300	EA	Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	275.71	9.56
08 71 11 00-0301		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0294)*		
08 71 11 00-0302	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	232.94	9.56
08 71 11 00-0303	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	261.71	9.56
08 71 11 00-0304	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	275.71	9.56
08 71 11 00-0305	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	275.71	9.56
08 71 11 00-0306	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	275.71	9.56
08 71 11 00-0307		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0308		400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0307)*		
08 71 11 00-0309	EA	Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	227.78	9.56
08 71 11 00-0310	EA	Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	261.71	9.56
08 71 11 00-0311	EA	Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	275.71	9.56
08 71 11 00-0312	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	275.71	9.56
08 71 11 00-0313	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	275.71	9.56
08 71 11 00-0314		500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0307)*		
08 71 11 00-0315	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	370.10	9.56
08 71 11 00-0316	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	408.45	9.56
08 71 11 00-0317	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	418.04	9.56
08 71 11 00-0318	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	418.04	9.56
08 71 11 00-0319	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	418.04	9.56
08 71 11 00-0320		Center Hung Pivot Hinges *(08 71 11 00-0058)*		
08 71 11 00-0321		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0320)*		
08 71 11 00-0322		300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	115.58	7.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0324	EA	Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	125.17	7.64
08 71 11 00-0325	EA	Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	125.17	7.64
08 71 11 00-0326	EA	Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	125.17	7.64
08 71 11 00-0327	EA	Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	125.17	7.64
08 71 11 00-0328	EA	Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	125.17	7.64
08 71 11 00-0329	EA	Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	125.17	7.64
08 71 11 00-0330		**500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0321)*		
08 71 11 00-0331	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	119.39	9.56
08 71 11 00-0332	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	128.98	9.56
08 71 11 00-0333	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	128.98	9.56
08 71 11 00-0334	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	128.98	9.56
08 71 11 00-0335	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	128.98	9.56
08 71 11 00-0336	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	128.98	9.56
08 71 11 00-0337	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	128.98	9.56
08 71 11 00-0338		**600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0321)*		
08 71 11 00-0339	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	119.39	9.56
08 71 11 00-0340	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	128.98	9.56
08 71 11 00-0341	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	128.98	9.56
08 71 11 00-0342	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	128.98	9.56
08 71 11 00-0343	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	128.98	9.56
08 71 11 00-0344	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	128.98	9.56
08 71 11 00-0345	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	128.98	9.56
08 71 11 00-0346		**1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0321)*		
08 71 11 00-0347	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	189.57	11.46
08 71 11 00-0348	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	222.03	11.46
08 71 11 00-0349	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	255.95	11.46
08 71 11 00-0350	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	255.95	11.46
08 71 11 00-0351	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	255.95	11.46
08 71 11 00-0352	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	255.95	11.46
08 71 11 00-0353	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	255.95	11.46
08 71 11 00-0354		**Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0320)*		
08 71 11 00-0355		**300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0354)*		
08 71 11 00-0356	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	87.55	7.64
08 71 11 00-0357	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	101.57	7.64
08 71 11 00-0358	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	115.58	7.64
08 71 11 00-0359	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	115.58	7.64
08 71 11 00-0360	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	115.58	7.64
08 71 11 00-0361	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	115.58	7.64
08 71 11 00-0362	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	115.58	7.64
08 71 11 00-0363		**500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0354)*		
08 71 11 00-0364	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	128.98	9.56
08 71 11 00-0365	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	133.39	9.56
08 71 11 00-0366	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	133.39	9.56
08 71 11 00-0367	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	133.39	9.56
08 71 11 00-0368	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	133.39	9.56
08 71 11 00-0369	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	133.39	9.56
08 71 11 00-0370	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	133.39	9.56
08 71 11 00-0371	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	128.98	9.56
08 71 11 00-0372	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	133.39	9.56
08 71 11 00-0373	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	133.39	9.56
08 71 11 00-0374	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	133.39	9.56
08 71 11 00-0375	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	133.39	9.56
08 71 11 00-0376	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	133.39	9.56
08 71 11 00-0377	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	133.39	9.56
08 71 11 00-0378		**600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0354)*		
08 71 11 00-0379	EA	Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	261.71	9.56
08 71 11 00-0380	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	275.71	9.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0381	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	290.46	9.56
08 71 11 00-0382	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	290.46	9.56
08 71 11 00-0383	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	290.46	9.56
08 71 11 00-0384	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	290.46	9.56
08 71 11 00-0385	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	290.46	9.56
08 71 11 00-0386		**1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0354)*		
08 71 11 00-0387	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	483.07	11.46
08 71 11 00-0388	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	497.07	11.46
08 71 11 00-0389	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	516.25	11.46
08 71 11 00-0390	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	516.25	11.46
08 71 11 00-0391	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	516.25	11.46
08 71 11 00-0392	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	516.25	11.46
08 71 11 00-0393	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	516.25	11.46
08 71 11 00-0394		**Continuous Barrel-Type Hinge** *(08 71 11 00-0001)*		
08 71 11 00-0395	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	19.35	3.06
		For Stainless Steel, Add	*3.92*	
		For Brass Or Nickel, Add	*4.27*	
		For Aluminum, Add	*1.40*	
		For Medium Gauge, Deduct	*-1.42*	
08 71 11 00-0396	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	19.83	3.06
		For Stainless Steel, Add	*4.18*	
		For Brass Or Nickel, Add	*4.56*	
		For Aluminum, Add	*1.49*	
		For Medium Gauge, Deduct	*-1.52*	
08 71 11 00-0397	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	20.78	3.06
		For Stainless Steel, Add	*4.70*	
		For Brass Or Nickel, Add	*5.13*	
		For Aluminum, Add	*1.68*	
		For Medium Gauge, Deduct	*-1.71*	
08 71 11 00-0398	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	21.85	3.06
		For Stainless Steel, Add	*5.29*	
		For Brass Or Nickel, Add	*5.77*	
		For Aluminum, Add	*1.89*	
		For Medium Gauge, Deduct	*-1.92*	
08 71 11 00-0399		**Continuous Geared Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0400	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	36.76	3.06
		For Bronze Finish, Add	*9.20*	
		For Heavy Duty, Add	*6.55*	
08 71 11 00-0401	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	39.63	3.06
		For Bronze Finish, Add	*10.28*	
		For Heavy Duty, Add	*7.32*	
08 71 11 00-0402	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	25.26	3.06
		For Bronze Finish, Add	*4.89*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)	29.42	3.06
		For Bronze Finish, Add	*6.45*	
08 71 11 00-0404		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0405	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	98.58	5.35
		For Satin Brass, Add	*17.24*	
08 71 11 00-0406	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	106.25	6.88
		For Satin Brass, Add	*17.25*	
08 71 11 00-0407	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	117.81	8.41
		For Satin Brass, Add	*18.19*	
08 71 11 00-0408	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	154.52	9.94
		For Satin Brass, Add	*25.16*	
08 71 11 00-0409	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	172.78	11.46
		For Satin Brass, Add	*27.71*	
08 71 11 00-0410	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	207.98	12.99
		For Satin Brass, Add	*34.33*	
08 71 11 00-0411	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	282.97	36.30
		For Satin Brass, Add	*50.49*	
08 71 11 00-0412		**Security Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0413	EA	4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	30.97	5.35

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0414		**Concealed Circuit Electric Hinge Option** *(08 71 11 00-0001)* Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0415	EA	4 Wire Concealed Circuit Electric Hinge Option	175.76	
08 71 11 00-0416	EA	6 Wire Concealed Circuit Electric Hinge Option	207.52	
08 71 11 00-0417	EA	8 Wire Concealed Circuit Electric Hinge Option	239.28	
08 71 11 00-0418		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		
08 71 11 00-0419	PR	Hinge Filler Plates For Door Frames	13.39	3.82
08 71 11 00-0420		**Door Trim** *(08 71 11)*		
08 71 11 00-0421		**Floor Stops, Wall Stops And Bumpers** *(08 71 11 00-0420)*		
08 71 11 00-0422		**Floor Stops** *(08 71 11 00-0421)*		
08 71 11 00-0423		**Aluminum Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0424	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	20.97	9.56
08 71 11 00-0425	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	22.83	9.56
08 71 11 00-0426	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	23.55	9.56
08 71 11 00-0427	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	34.36	9.56
08 71 11 00-0428	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	35.65	9.56
08 71 11 00-0429		**Brass Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0430	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	23.10	9.56
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	23.81	9.56
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	23.81	9.56
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	24.08	9.56
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	24.45	9.56
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	24.45	9.56
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	24.45	9.56
08 71 11 00-0437	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	23.55	9.56
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	24.62	9.56
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	24.62	9.56
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	25.04	9.56
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	25.41	9.56
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	25.41	9.56
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	27.11	9.56
08 71 11 00-0444	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	24.69	9.56
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	24.69	9.56
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	25.87	9.56
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	25.87	9.56
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	25.87	9.56
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	25.87	9.56
08 71 11 00-0450	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	25.51	9.56
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	25.51	9.56
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	26.66	9.56
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	26.66	9.56
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	26.66	9.56
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	26.66	9.56
08 71 11 00-0456	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	35.40	9.56
08 71 11 00-0457	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	35.91	9.56
08 71 11 00-0458	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	37.15	9.56
08 71 11 00-0459	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	38.15	9.56
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	38.15	9.56
08 71 11 00-0461	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	42.23	9.56
08 71 11 00-0462	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	42.23	9.56
08 71 11 00-0463	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	40.72	9.56
08 71 11 00-0464	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	41.45	9.56
08 71 11 00-0465	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	41.45	9.56
08 71 11 00-0466	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	41.45	9.56
08 71 11 00-0467	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	41.45	9.56
08 71 11 00-0468	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	47.04	9.56
08 71 11 00-0469	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	47.04	9.56
08 71 11 00-0470	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	29.31	9.56
08 71 11 00-0471	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	30.24	9.56
08 71 11 00-0472	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	32.35	9.56
08 71 11 00-0473	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	32.35	9.56
08 71 11 00-0474	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	32.35	9.56
08 71 11 00-0475	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	32.98	9.56
08 71 11 00-0476		**Steel Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0477	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	25.68	9.56
08 71 11 00-0478	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	60.29	9.56
08 71 11 00-0479	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	63.24	9.56
08 71 11 00-0480		**Wall Stops** *(08 71 11 00-0421)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0481		**Aluminum Wall Stops** *(08 71 11 00-0480)*		
08 71 11 00-0482	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	10.21	3.82
08 71 11 00-0483	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	14.95	5.73
08 71 11 00-0484		**Brass Wall Stops** *(08 71 11 00-0480)*		
08 71 11 00-0485	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	16.55	3.82
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	16.55	3.82
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	16.55	3.82
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	19.31	3.82
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	19.57	3.82
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	19.57	3.82
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	19.57	3.82
08 71 11 00-0492	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	44.38	5.73
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	45.36	5.73
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	45.36	5.73
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	45.36	5.73
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	45.36	5.73
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	45.36	5.73
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	37.53	5.73
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	42.79	5.73
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	42.79	5.73
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	42.79	5.73
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	42.79	5.73
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	44.04	5.73
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	44.04	5.73
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	70.02	5.73
08 71 11 00-0506		**Steel Wall Stops** *(08 71 11 00-0480)*		
08 71 11 00-0507	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	8.18	3.82
08 71 11 00-0508		**Hinge Pin Door Stops** *(08 71 11 00-0421)*		
08 71 11 00-0509		**Aluminum Hinge Pin Door Stops** *(08 71 11 00-0508)*		
08 71 11 00-0510	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	16.89	7.64
08 71 11 00-0511		**Brass Hinge Pin Door Stops** *(08 71 11 00-0508)*		
08 71 11 00-0512	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	17.19	7.64
08 71 11 00-0513	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	19.11	7.64
08 71 11 00-0514	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	23.73	7.64
08 71 11 00-0515	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	23.73	7.64
08 71 11 00-0516	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	23.73	7.64
08 71 11 00-0517	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	25.90	7.64
08 71 11 00-0518	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	25.90	7.64
08 71 11 00-0519	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	25.90	7.64
08 71 11 00-0520	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	25.90	7.64
08 71 11 00-0521		**Wall Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0522		**Brass Wall Bumpers** *(08 71 11 00-0521)*		
08 71 11 00-0523	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.12	9.56
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.12	9.56
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.12	9.56
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.38	9.56
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.38	9.56
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.38	9.56
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.38	9.56
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.28	9.56
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	33.69	9.56
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	33.69	9.56
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	33.69	9.56
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	33.69	9.56
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	33.69	9.56
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	34.23	9.56
08 71 11 00-0537		**Rubber Wall Bumpers** *(08 71 11 00-0521)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0538	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	21.16	9.56
08 71 11 00-0539		**Holders** *(08 71 11 00-0420)*		
08 71 11 00-0540		**Plunger Type Door Holders** *(08 71 11 00-0539)*		
08 71 11 00-0541		**Aluminum Plunger Type Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0542	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	46.78	5.73
08 71 11 00-0543		**Brass Plunger Type Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0544	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0545	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0546	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0547	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0548	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0549	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0550	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	75.17	5.73
08 71 11 00-0551		**Kick Down Door Holders** *(08 71 11 00-0539)*		
08 71 11 00-0552		**Aluminum Kick Down Door Holders** *(08 71 11 00-0551)*		
08 71 11 00-0553	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	17.23	5.73
08 71 11 00-0554		**Brass Kick Down Door Holders** *(08 71 11 00-0551)*		
08 71 11 00-0555	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	34.88	5.73
08 71 11 00-0556	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	34.88	5.73
08 71 11 00-0557	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	34.88	5.73
08 71 11 00-0558	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	39.49	5.73
08 71 11 00-0559	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	39.49	5.73
08 71 11 00-0560	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	39.49	5.73
08 71 11 00-0561	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	40.65	5.73
08 71 11 00-0562		**Steel Kick Down Door Holders** *(08 71 11 00-0551)*		
08 71 11 00-0563	EA	Steel Kick Down Door Holder (Ives FS544)	20.79	5.73
08 71 11 00-0564		**Floor Mounted Door Holders** *(08 71 11 00-0539)*		
08 71 11 00-0565		**Brass Floor Mounted Door Holders** *(08 71 11 00-0564)*		
08 71 11 00-0566	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	68.39	11.46
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	68.39	11.46
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	83.69	11.46
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	83.69	11.46
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	83.69	11.46
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	83.69	11.46
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0572		**Wall Mounted Door Holders** *(08 71 11 00-0539)*		
08 71 11 00-0573		**Aluminum Wall Mounted Door Holders** *(08 71 11 00-0572)*		
08 71 11 00-0574	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	59.37	6.69
08 71 11 00-0575	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	87.72	11.46
08 71 11 00-0576		**Brass Wall Mounted Door Holders** *(08 71 11 00-0572)*		
08 71 11 00-0577	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	54.74	6.69
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	63.03	6.69

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	63.03	6.69
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	63.03	6.69
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	63.03	6.69
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	63.03	6.69
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	64.98	6.69
08 71 11 00-0584	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	61.68	6.69
08 71 11 00-0585	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	73.00	6.69
08 71 11 00-0586	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	73.00	6.69
08 71 11 00-0587	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	73.00	6.69
08 71 11 00-0588	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	73.00	6.69
08 71 11 00-0589	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	73.00	6.69
08 71 11 00-0590	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	99.01	11.46
08 71 11 00-0591	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	104.09	11.46
08 71 11 00-0592	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	104.09	11.46
08 71 11 00-0593	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	104.09	11.46
08 71 11 00-0594	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	104.09	11.46
08 71 11 00-0595	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	104.09	11.46

08 71 11 00-0596 Overhead Door Holders *(08 71 11 00-0539)*

08 71 11 00-0597 Surface Mounted, Overhead Door Holders *(08 71 11 00-0596)*

08 71 11 00-0598	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	308.32	19.10
		For Hold Open, Add	*33.46*	
08 71 11 00-0599	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	351.04	19.10
		For Hold Open, Add	*39.63*	
08 71 11 00-0600	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	351.04	19.10
		For Hold Open, Add	*39.63*	
08 71 11 00-0601	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	351.04	19.10
		For Hold Open, Add	*39.63*	
08 71 11 00-0602	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	349.58	19.10
		For Hold Open, Add	*39.42*	

08 71 11 00-0603 Heavy Duty, Surface Mounted, Overhead Door Holders *(08 71 11 00-0596)*

Note: With or without hold open feature.

08 71 11 00-0604	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	243.81	19.10
08 71 11 00-0605	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	345.81	19.10
08 71 11 00-0606	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	390.27	19.10
08 71 11 00-0607	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	390.27	19.10
08 71 11 00-0608	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	390.27	19.10

08 71 11 00-0609 Concealed Mounted, Overhead Door Holders *(08 71 11 00-0596)*

Note: With or without hold open feature.

08 71 11 00-0610	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	335.05	19.10
08 71 11 00-0611	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	335.05	19.10
08 71 11 00-0612	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	352.49	19.10
08 71 11 00-0613	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	367.31	19.10
08 71 11 00-0614	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	367.31	19.10

08 71 11 00-0615 Bolts *(08 71 11 00-0420)*

08 71 11 00-0616 Brass Surface Bolts *(08 71 11 00-0615)*

08 71 11 00-0617	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	99.65	9.56
08 71 11 00-0618	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	106.37	9.56
08 71 11 00-0619	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	106.37	9.56

08 71 11 00-0620 Steel Surface Bolts *(08 71 11 00-0615)*

08 71 11 00-0621	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	47.64	9.56
08 71 11 00-0622	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	47.64	9.56
08 71 11 00-0623	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	47.64	9.56
08 71 11 00-0624	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	53.51	9.56
08 71 11 00-0625	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	54.35	9.56
08 71 11 00-0626	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	56.02	9.56
08 71 11 00-0627	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	55.18	9.56
08 71 11 00-0628	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	57.71	9.56
08 71 11 00-0629	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	61.06	9.56
08 71 11 00-0630	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	63.58	9.56
08 71 11 00-0631	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	97.14	9.56

08 71 11 00-0632 Door Viewer *(08 71 11 00-0420)*

08 71 11 00-0633 Brass Door Viewer *(08 71 11 00-0632)*

08 71 11 00-0634	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	27.11	9.56
08 71 11 00-0635	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	27.11	9.56
08 71 11 00-0636	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	27.11	9.56
08 71 11 00-0637	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	30.85	9.56
08 71 11 00-0638	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	30.85	9.56
08 71 11 00-0639	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	30.85	9.56
08 71 11 00-0640	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	35.48	9.56
08 71 11 00-0641	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	35.48	9.56

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0642		Door Knockers *(08 71 11 00-0420)*		
08 71 11 00-0643		Brass Door Knockers *(08 71 11 00-0642)*		
08 71 11 00-0644	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	38.67	9.56
08 71 11 00-0645	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	42.23	9.56
08 71 11 00-0646	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	42.23	9.56
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	42.23	9.56
08 71 11 00-0648	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	55.74	9.56
08 71 11 00-0649	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	64.33	9.56
08 71 11 00-0650		Hasps *(08 71 11 00-0420)*		
08 71 11 00-0651	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	19.27	7.21
08 71 11 00-0652	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	20.54	7.64
08 71 11 00-0653	EA	6", Zinc Plated Finish, Steel Hasp Assembly	25.70	8.60
08 71 11 00-0654	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	94.44	10.31
08 71 11 00-0655		Flush Bolts *(08 71 11 00-0420)*		
08 71 11 00-0656		Flush Bolts For Metal Doors *(08 71 11 00-0655)*		
08 71 11 00-0657		Brass Flush Bolts For Metal Doors *(08 71 11 00-0656)*		
08 71 11 00-0658		Manual, Brass Flush Bolts For Metal Doors *(08 71 11 00-0657)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0659	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	37.57	9.56
08 71 11 00-0660		Automatic, Brass Flush Bolts For Metal Doors *(08 71 11 00-0657)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0661	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	86.05	9.56
08 71 11 00-0662	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	86.05	9.56
08 71 11 00-0663	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	157.44	15.29
08 71 11 00-0664	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	153.63	13.37
08 71 11 00-0665	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	159.74	14.33
08 71 11 00-0666		Constant Latching, Brass Flush Bolts For Metal Doors *(08 71 11 00-0657)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0667	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	85.31	9.56
08 71 11 00-0668	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	157.44	15.29
08 71 11 00-0669	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	153.63	13.37
08 71 11 00-0670	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	159.74	14.33
08 71 11 00-0671		Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0656)*		
08 71 11 00-0672		Automatic, Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0671)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0673	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	86.05	9.56
08 71 11 00-0674	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	86.05	9.56
08 71 11 00-0675	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	157.44	15.29
08 71 11 00-0676	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	153.63	13.37
08 71 11 00-0677	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	159.74	14.33
08 71 11 00-0678		Constant Latching, Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0671)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0679	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	85.31	9.56
08 71 11 00-0680	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	157.44	15.29
08 71 11 00-0681	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	153.63	13.37
08 71 11 00-0682	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	159.74	14.33
08 71 11 00-0683		Flush Bolts For Wood Doors *(08 71 11 00-0655)*		
08 71 11 00-0684		Brass Flush Bolts For Wood Doors *(08 71 11 00-0683)*		
08 71 11 00-0685		Manual, Brass Flush Bolts For Wood Doors *(08 71 11 00-0684)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0686	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	43.84	9.56
08 71 11 00-0687		Automatic, Brass Flush Bolts For Wood Doors *(08 71 11 00-0684)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0688	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	89.32	9.56
08 71 11 00-0689	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	89.32	9.56
08 71 11 00-0690	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	164.48	15.29
08 71 11 00-0691	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	160.67	13.37

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0692		Constant Latching, Brass Flush Bolts For Wood Doors *(08 71 11 00-0684)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0693	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	88.67	9.56
08 71 11 00-0694	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	164.48	15.29
08 71 11 00-0695	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	160.67	13.37
08 71 11 00-0696		Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0683)*		
08 71 11 00-0697		Automatic, Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0696)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0698	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	89.32	9.56
08 71 11 00-0699	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	89.32	9.56
08 71 11 00-0700	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	164.48	15.29
08 71 11 00-0701	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	160.67	13.37
08 71 11 00-0702		Constant Latching, Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0696)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0703	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	88.67	9.56
08 71 11 00-0704	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	164.48	15.29
08 71 11 00-0705	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	160.67	13.37
08 71 11 00-0706		Dust Proof Strikes *(08 71 11 00-0655)*		
08 71 11 00-0707	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	33.25	7.64
08 71 11 00-0708	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	33.25	7.64
08 71 11 00-0709	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	33.25	7.64
08 71 11 00-0710	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	33.25	7.64
08 71 11 00-0711	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	33.25	7.64
08 71 11 00-0712	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	37.94	7.64
08 71 11 00-0713	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	37.94	7.64
08 71 11 00-0714	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	37.94	7.64
08 71 11 00-0715	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	37.94	7.64
08 71 11 00-0716	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	37.94	7.64
08 71 11 00-0717		Roller Bumpers *(08 71 11 00-0420)*		
08 71 11 00-0718		Brass Roller Bumpers *(08 71 11 00-0717)*		
08 71 11 00-0719	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	33.98	5.73
08 71 11 00-0720	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	39.59	5.73
08 71 11 00-0721	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	39.59	5.73
08 71 11 00-0722	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	32.72	5.73
08 71 11 00-0723	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	36.99	5.73
08 71 11 00-0724	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	36.99	5.73
08 71 11 00-0725	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	36.99	5.73
08 71 11 00-0726	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	34.07	5.73
08 71 11 00-0727	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	37.09	5.73
08 71 11 00-0728	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	38.51	5.73
08 71 11 00-0729	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	38.51	5.73
08 71 11 00-0730	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	38.51	5.73
08 71 11 00-0731	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	38.51	5.73
08 71 11 00-0732	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	38.51	5.73
08 71 11 00-0733		Other Door Trim *(08 71 11 00-0420)*		
08 71 11 00-0734		Coat And Hat Hooks *(08 71 11 00-0733)*		
08 71 11 00-0735		Aluminum Coat And Hat Hooks *(08 71 11 00-0734)*		
08 71 11 00-0736	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	13.09	5.73
08 71 11 00-0737	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	13.09	5.73
08 71 11 00-0738	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	13.19	5.73
08 71 11 00-0739	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	13.02	5.73
08 71 11 00-0740	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	13.02	5.73
08 71 11 00-0741	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	13.02	5.73
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	13.19	5.73
08 71 11 00-0743	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	13.71	5.73
08 71 11 00-0744	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	13.71	5.73
08 71 11 00-0745	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	13.71	5.73
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	13.71	5.73
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	13.71	5.73
08 71 11 00-0748		Brass Coat And Hat Hooks *(08 71 11 00-0734)*		
08 71 11 00-0749	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	15.94	5.73
08 71 11 00-0750	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	16.21	5.73
08 71 11 00-0751	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	16.65	5.73
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	16.65	5.73
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	16.92	5.73
08 71 11 00-0754	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	17.81	5.73
08 71 11 00-0755	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	19.06	5.73
08 71 11 00-0756	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	19.06	5.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	19.06	5.73
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	19.34	5.73
08 71 11 00-0759		Door Plates And Pulls *(08 71 11)*		
08 71 11 00-0760		Kick Plate *(08 71 11 00-0759)* Note: Ives 8400.		
08 71 11 00-0761		Aluminum Base Material Kick Plate *(08 71 11 00-0760)*		
08 71 11 00-0762		Satin Aluminum Finish, Aluminum Kick Plate *(08 71 11 00-0761)*		
08 71 11 00-0763	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	36.81	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0764	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	38.08	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0765	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	39.33	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0766	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	40.60	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0767	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.40	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0768	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.63	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0769	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.91	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0770	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.16	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0771	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	49.95	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0772	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0773	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.47	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0774	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.28	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0775	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.54	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0776	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.79	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0777	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	40.29	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0778	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	41.88	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0779	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.43	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0780	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.02	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0781	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.12	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0782	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	49.69	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0783	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.27	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0784	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.84	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.96	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.52	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	59.11	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.22	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0789	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.78	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.36	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0791	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.77	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.64	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0793	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.56	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	49.42	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0795	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.84	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.73	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.62	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.52	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.94	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.83	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.73	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.15	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.04	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.95	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.73	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.94	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	53.18	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.38	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	59.11	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.32	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.53	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.73	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.47	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.67	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.88	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.61	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.84	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.05	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0819	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.22	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.73	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.27	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	59.79	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.32	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.37	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.90	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.42	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.46	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.00	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.52	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.56	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.09	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.63	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.68	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.70	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.72	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.75	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.28	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.31	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.33	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.35	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.90	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.93	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.95	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.50	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.52	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.54	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.90	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.26	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0849	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.61	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.97	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.86	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.21	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.57	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.93	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.81	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.17	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.52	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.40	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.76	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.11	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.59	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.28	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.97	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.66	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.90	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.59	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.28	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	93.97	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.19	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.88	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.57	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.78	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.47	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.16	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.28	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.31	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.35	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0879	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.93	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.95	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.98	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.01	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.57	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.59	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.62	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.16	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.20	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.23	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0889 Brass Base Material Kick Plate *(08 71 11 00-0760)*

08 71 11 00-0890 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0889)*

08 71 11 00-0891	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	68.86	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0892	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	73.03	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0893	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	77.21	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0894	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	81.38	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	87.07	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	91.27	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	95.44	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	99.61	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	105.31	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	109.48	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	113.65	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	119.35	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	123.55	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	127.72	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	80.35	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	85.55	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	90.79	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	96.00	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0909	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	102.72	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	107.95	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	113.18	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	118.40	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.13	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	130.36	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	135.59	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	142.33	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	147.56	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	152.77	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	91.80	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	98.09	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	104.34	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	110.60	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0923	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	118.40	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	124.66	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	130.93	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	137.17	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	145.00	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	151.24	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	157.51	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	165.30	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	171.55	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	177.84	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	104.83	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	112.12	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	119.43	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	126.76	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	135.59	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	142.90	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0939	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	150.20	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	157.51	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	166.34	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	173.65	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.95	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	189.79	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.11	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	204.42	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	145.47	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	156.50	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	167.50	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	178.48	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	191.01	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	202.03	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	213.04	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	224.01	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	236.57	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	247.58	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.58	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.10	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	282.09	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.11	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	160.36	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	172.71	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	185.05	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.43	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.31	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.65	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	236.03	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	248.36	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0969	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	262.27	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	274.62	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	286.96	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	300.87	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	313.20	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	325.55	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	176.99	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	190.71	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	204.45	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	218.15	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	233.43	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	247.16	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	260.88	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	274.62	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.85	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	303.60	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	317.33	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	332.57	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	346.31	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	360.01	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.10	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	207.18	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.28	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	237.39	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	254.02	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	269.13	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	284.23	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	299.34	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	315.95	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	331.05	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0999	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	346.16	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	362.77	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	377.89	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	392.95	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	207.18	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.65	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	240.14	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	256.61	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	274.62	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	291.08	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	307.56	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	324.94	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	342.03	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	358.49	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	374.97	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	392.95	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	409.46	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.92	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1017 Bright/Satin Chrome Finish, Brass Kick Plate *(08 71 11 00-0889)*

08 71 11 00-1018	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	73.58	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	78.19	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1020	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	82.79	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1021	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	87.40	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	93.53	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	98.12	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	102.72	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	107.33	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	113.47	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	118.09	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	122.69	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1029	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	128.83	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	133.43	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	138.04	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	86.25	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	92.01	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	97.76	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1035	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	103.51	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	110.80	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	116.56	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	122.31	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	128.06	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	135.35	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	141.10	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	146.86	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	154.14	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	159.89	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	165.65	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	98.91	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	105.81	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	112.74	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	119.64	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	128.06	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	134.98	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	141.88	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	148.78	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	164.12	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	171.03	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	179.46	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	186.40	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1059	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	193.30	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	113.08	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	121.16	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	129.23	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	137.28	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	146.86	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	154.92	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	162.97	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	171.03	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	180.64	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	188.69	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	196.74	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	191.81	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	214.38	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	222.45	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	159.52	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	171.81	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	184.09	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	196.37	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	210.18	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	222.45	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	234.75	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	247.02	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	260.83	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	273.11	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	285.39	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	299.20	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	311.47	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	323.75	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	175.97	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1089	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	189.76	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	203.52	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	217.31	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	232.60	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	246.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	260.15	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	273.92	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	289.21	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	316.79	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	332.08	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	345.87	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	359.63	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	194.32	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	209.65	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	224.94	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	240.27	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	257.08	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	272.38	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	287.70	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	319.86	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	335.14	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	350.44	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	367.28	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	382.58	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	397.89	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	211.16	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	228.02	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	244.85	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1119	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	261.67	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	280.06	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	296.88	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	313.72	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	330.55	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	348.93	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	365.76	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	382.60	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	400.94	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	417.77	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	434.62	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	228.02	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	246.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	264.74	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	283.10	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	321.36	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	339.76	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	358.10	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	377.99	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	396.37	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	414.74	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	434.62	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	452.99	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	471.36	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1144 Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0889)*

08 71 11 00-1145	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	74.48	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	79.15	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1147	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	83.85	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1148	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	88.52	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1149	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	94.75	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	99.42	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	104.12	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	108.80	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	114.99	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	119.70	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	124.38	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	130.60	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	135.28	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	139.97	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	87.36	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	93.23	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	99.07	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	104.92	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	112.30	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	118.17	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	124.01	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	129.87	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	137.27	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	143.12	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.96	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	156.38	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	162.22	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	168.07	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	100.24	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	107.28	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	114.29	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1176	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	121.33	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	129.87	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	136.91	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1179	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	143.94	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	150.96	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	159.53	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	166.54	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	173.56	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	182.12	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.17	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	196.19	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	114.64	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	122.85	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	131.04	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	139.24	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.96	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	157.17	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	165.37	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	173.56	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	183.30	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	191.50	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	199.69	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.43	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.65	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	225.85	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	159.52	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	171.81	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.09	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	196.37	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	210.18	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	222.45	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	234.75	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	247.02	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1209	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	260.83	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	273.11	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	285.39	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	299.20	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	311.47	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.75	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	175.97	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.76	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	203.52	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.31	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	232.60	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	246.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	260.15	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	273.92	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	289.21	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	316.79	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	332.08	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	345.87	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	359.63	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	194.32	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.65	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	224.94	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	240.27	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	257.08	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	272.38	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	287.70	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	319.86	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	335.14	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1239	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	350.44	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	367.28	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	382.58	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	397.89	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	211.16	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.02	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.85	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	261.67	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	280.06	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	296.88	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	313.72	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	330.55	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	348.93	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	365.76	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	382.60	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	400.94	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	417.77	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	434.62	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.02	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	246.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.74	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.10	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	321.36	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	339.76	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	358.10	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.99	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	396.37	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	414.74	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	434.62	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1269	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	452.99	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	471.36	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271		**Satin Nickel Finish, Brass Kick Plate** *(08 71 11 00-0889)*		
08 71 11 00-1272	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	74.48	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	79.15	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1274	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	83.85	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1275	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	88.52	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	94.75	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	99.42	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	104.12	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	108.80	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.99	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	119.70	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	124.38	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	130.60	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	135.28	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	139.97	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	87.36	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	93.23	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	99.07	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	104.92	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	112.30	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	118.17	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	124.01	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.87	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	137.27	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	143.12	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	148.96	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	156.38	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	162.22	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1299	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	168.07	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	100.24	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	107.28	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.29	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	121.33	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.87	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	136.91	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	143.94	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	150.96	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	159.53	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	166.54	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	173.56	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	182.12	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	189.17	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	196.19	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.64	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	122.85	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	131.04	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	139.24	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	148.96	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	157.17	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	165.37	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	173.56	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	183.30	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	191.50	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	199.69	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	209.43	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	217.65	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	225.85	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	159.52	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1329	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	171.81	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	184.09	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	196.37	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	210.18	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	222.45	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	234.75	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	247.02	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	260.83	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	273.11	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	285.39	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	299.20	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	311.47	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	323.75	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	175.97	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	189.76	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	203.52	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	217.31	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	232.60	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	246.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	260.15	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	273.92	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	289.21	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	316.79	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	332.08	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	345.87	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	359.63	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	194.32	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	209.65	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	224.94	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1359	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	240.27	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	257.08	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	272.38	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	287.70	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	319.86	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	335.14	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	350.44	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	367.28	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	382.58	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	397.89	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	211.16	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	228.02	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	244.85	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	261.67	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	280.06	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	296.88	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	313.72	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	330.55	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	348.93	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	365.76	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	382.60	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	400.94	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	417.77	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	434.62	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	228.02	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	246.37	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	264.74	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	283.10	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	303.00	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1389		EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	321.36	6.88
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390		EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	339.76	6.88
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391		EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	358.10	6.88
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392		EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	377.99	7.26
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393		EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	396.37	7.26
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394		EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	414.74	7.26
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395		EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	434.62	7.64
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396		EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	452.99	7.64
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397		EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	471.36	7.64
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1398 Stainless Base Material Kick Plate *(08 71 11 00-0760)*

08 71 11 00-1399 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1398)*

08 71 11 00-1400		EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	39.01	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401		EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	40.50	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1402		EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	41.94	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1403		EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.43	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404		EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.40	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405		EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.84	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406		EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.34	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407		EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.79	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408		EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.79	6.50
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409		EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.26	6.50
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410		EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.71	6.50
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411		EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.71	6.88
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412		EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.18	6.88
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413		EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.63	6.88
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414		EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.04	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415		EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.88	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416		EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.72	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417		EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.53	5.73
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418		EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.90	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1419	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.73	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.54	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.36	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.75	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.57	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.38	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.76	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.59	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.41	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.08	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.27	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.47	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.66	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.36	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.57	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.75	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.96	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.67	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.88	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.08	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.79	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.00	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.18	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.62	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.18	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.75	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.31	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.38	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.95	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.51	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1449	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.08	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.19	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.71	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.29	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.39	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.94	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.52	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.76	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.02	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.16	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.29	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.94	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.08	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.34	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.00	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.15	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.29	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.20	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.07	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.20	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.33	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.79	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.22	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.66	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.65	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.08	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.52	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.95	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.94	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1479	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.38	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.81	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.80	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.26	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.69	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.07	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.89	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.73	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.54	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.90	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.74	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.55	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.38	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.73	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.57	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.41	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.73	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.57	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.39	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.27	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.50	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.69	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.91	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.63	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.86	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.06	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.27	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.00	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.21	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.44	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1509	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.15	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.37	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.56	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1512	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.50	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.08	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.68	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.26	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.38	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.97	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.57	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.16	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.28	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.87	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.46	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.56	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.16	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.77	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1526 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1398)*

08 71 11 00-1527	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	60.00	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	63.38	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1529	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	66.74	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1530	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	70.11	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	74.99	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.37	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.73	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	85.11	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	89.98	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	93.37	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.76	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.64	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1539	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.01	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	108.37	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	69.27	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	73.47	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	77.69	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.91	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1545	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	87.63	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.84	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.07	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.28	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.01	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	114.45	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.17	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.40	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	128.61	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.52	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	83.59	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	88.65	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	93.71	5.73
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.28	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.31	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.38	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.44	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.02	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.08	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.12	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.72	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	143.76	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.82	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1569	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	89.33	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	95.23	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.12	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.02	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	114.45	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.34	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.24	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.12	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.57	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.46	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	151.36	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.79	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.66	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.56	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	98.58	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.31	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.08	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.81	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.08	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	133.82	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	140.55	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	147.29	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.56	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	162.29	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	169.03	6.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.30	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.06	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	190.80	7.26
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	108.84	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.54	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1599	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.18	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	131.88	6.11
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	141.09	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.73	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.43	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.46	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.30	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.98	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.65	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.85	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	205.52	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.19	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.77	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	128.29	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.81	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.33	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.39	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.93	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.43	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.98	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	191.01	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.55	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.08	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.11	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.64	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.16	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	129.14	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.51	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	147.89	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.26	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1629	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.17	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.56	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.95	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	196.32	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	207.22	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.59	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.97	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	236.86	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.26	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.63	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.51	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.73	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.97	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	169.20	6.50
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.98	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	191.19	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	201.42	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	211.66	6.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	223.42	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	233.64	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.88	7.26
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.63	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.87	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	276.09	7.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1653 Plastic Kick Plate *(08 71 11 00-0760)*

08 71 11 00-1654 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1653)*

Note: With four beveled edges.

08 71 11 00-1655	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	34.85	5.73
08 71 11 00-1656	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	35.91	5.73
08 71 11 00-1657	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	37.02	5.73
08 71 11 00-1658	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	38.10	5.73
08 71 11 00-1659	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.71	6.11
08 71 11 00-1660	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	41.79	6.11
08 71 11 00-1661	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.85	6.11
08 71 11 00-1662	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.96	6.11
08 71 11 00-1663	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.88	6.50
08 71 11 00-1664	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.63	6.50
08 71 11 00-1665	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.74	6.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1666	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.34	6.88
08 71 11 00-1667	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.44	6.88
08 71 11 00-1668	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.51	6.88
08 71 11 00-1669	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	37.82	5.73
08 71 11 00-1670	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	39.19	5.73
08 71 11 00-1671	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.53	5.73
08 71 11 00-1672	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	41.87	5.73
08 71 11 00-1673	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.76	6.11
08 71 11 00-1674	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.10	6.11
08 71 11 00-1675	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.47	6.11
08 71 11 00-1676	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.81	6.11
08 71 11 00-1677	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.71	6.50
08 71 11 00-1678	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.05	6.50
08 71 11 00-1679	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.42	6.50
08 71 11 00-1680	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.29	6.88
08 71 11 00-1681	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.66	6.88
08 71 11 00-1682	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.00	6.88
08 71 11 00-1683	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.81	5.73
08 71 11 00-1684	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.44	5.73
08 71 11 00-1685	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.04	5.73
08 71 11 00-1686	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.69	5.73
08 71 11 00-1687	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.81	6.11
08 71 11 00-1688	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.45	6.11
08 71 11 00-1689	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.09	6.11
08 71 11 00-1690	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.70	6.11
08 71 11 00-1691	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.84	6.50
08 71 11 00-1692	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.47	6.50
08 71 11 00-1693	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.11	6.50
08 71 11 00-1694	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.25	6.88
08 71 11 00-1695	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.89	6.88
08 71 11 00-1696	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.50	6.88
08 71 11 00-1697	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.30	6.11
08 71 11 00-1698	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.21	6.11
08 71 11 00-1699	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.09	6.11
08 71 11 00-1700	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.99	6.11
08 71 11 00-1701	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.42	6.50
08 71 11 00-1702	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.30	6.50
08 71 11 00-1703	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.21	6.50
08 71 11 00-1704	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.11	6.50
08 71 11 00-1705	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.52	6.88
08 71 11 00-1706	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.43	6.88
08 71 11 00-1707	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.33	6.88
08 71 11 00-1708	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.74	7.26
08 71 11 00-1709	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.64	7.26
08 71 11 00-1710	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.52	7.26
08 71 11 00-1711	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.85	6.11
08 71 11 00-1712	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.35	6.11
08 71 11 00-1713	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.81	6.11
08 71 11 00-1714	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.31	6.11
08 71 11 00-1715	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.34	6.50
08 71 11 00-1716	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.82	6.50
08 71 11 00-1717	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.32	6.50
08 71 11 00-1718	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.79	6.50
08 71 11 00-1719	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.82	6.88
08 71 11 00-1720	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.31	6.88
08 71 11 00-1721	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.81	6.88
08 71 11 00-1722	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.84	7.26
08 71 11 00-1723	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.30	7.26
08 71 11 00-1724	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.80	7.26
08 71 11 00-1725	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.26	6.11
08 71 11 00-1726	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.07	6.11
08 71 11 00-1727	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.86	6.11
08 71 11 00-1728	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.67	6.11
08 71 11 00-1729	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.18	6.50
08 71 11 00-1730	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.79	6.50
08 71 11 00-1731	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.61	6.50
08 71 11 00-1732	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.40	6.50
08 71 11 00-1733	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.74	6.88
08 71 11 00-1734	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.54	6.88
08 71 11 00-1735	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.33	6.88
08 71 11 00-1736	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.68	7.26
08 71 11 00-1737	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.47	7.26
08 71 11 00-1738	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.28	7.26
08 71 11 00-1739	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.22	6.50
08 71 11 00-1740	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.34	6.50
08 71 11 00-1741	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.44	6.50
08 71 11 00-1742	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.56	6.50
08 71 11 00-1743	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.20	6.88
08 71 11 00-1744	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.31	6.88
08 71 11 00-1745	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.43	6.88
08 71 11 00-1746	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.54	6.88
08 71 11 00-1747	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.18	7.26
08 71 11 00-1748	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.29	7.26
08 71 11 00-1749	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.40	7.26
08 71 11 00-1750	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.04	7.64

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1751		EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.15	7.64
08 71 11 00-1752		EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.26	7.64
08 71 11 00-1753		EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.65	6.50
08 71 11 00-1754		EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.06	6.50
08 71 11 00-1755		EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.49	6.50
08 71 11 00-1756		EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.90	6.50
08 71 11 00-1757		EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.87	6.88
08 71 11 00-1758		EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.31	6.88
08 71 11 00-1759		EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.71	6.88
08 71 11 00-1760		EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.15	6.88
08 71 11 00-1761		EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.08	7.26
08 71 11 00-1762		EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.52	7.26
08 71 11 00-1763		EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.95	7.26
08 71 11 00-1764		EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.88	7.64
08 71 11 00-1765		EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.31	7.64
08 71 11 00-1766		EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.72	7.64
08 71 11 00-1767		EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.06	6.50
08 71 11 00-1768		EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.79	6.50
08 71 11 00-1769		EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.54	6.50
08 71 11 00-1770		EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.28	6.50
08 71 11 00-1771		EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.54	6.88
08 71 11 00-1772		EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.27	6.88
08 71 11 00-1773		EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.00	6.88
08 71 11 00-1774		EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.75	6.88
08 71 11 00-1775		EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.02	7.26
08 71 11 00-1776		EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.74	7.26
08 71 11 00-1777		EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.47	7.26
08 71 11 00-1778		EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.72	7.64
08 71 11 00-1779		EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.48	7.64
08 71 11 00-1780		EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.21	7.64

08 71 11 00-1781 Mop Plate *(08 71 11 00-0759)*

Note: Ives 8400.

08 71 11 00-1782 Aluminum Base Material Mop Plate *(08 71 11 00-1781)*

08 71 11 00-1783 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1782)*

08 71 11 00-1784		EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	30.57	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1785		EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	31.34	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1786		EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	32.08	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1787		EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	32.85	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1788		EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.54	5.81
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1789		EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	35.28	5.81
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1790		EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.05	5.81
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1791		EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.79	5.81
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1792		EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.86	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1793		EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	39.62	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1794		EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.37	6.11
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1795		EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.66	6.50
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1796		EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	43.43	6.50
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1797		EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	44.17	6.50
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1798		EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.74	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1799		EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	35.87	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1800		EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.02	5.58
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1801	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.15	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1802	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.22	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1803	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.34	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.50	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	43.62	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	46.07	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	47.20	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.35	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	51.02	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	52.16	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	53.28	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1812 Brass Base Material Mop Plate *(08 71 11 00-1781)*

08 71 11 00-1813 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1812)*

08 71 11 00-1814	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	46.58	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1815	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	48.82	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1816	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	51.03	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1817	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	53.25	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	56.38	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1819	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	58.59	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	60.81	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	63.02	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	66.54	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.75	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	70.96	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	74.71	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	76.92	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	79.16	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	58.79	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	62.10	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	65.43	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1831	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.74	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	72.99	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	76.33	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	79.63	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	82.97	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	87.57	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	90.91	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.24	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	99.08	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	102.41	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	105.72	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1842 Bright/Satin Chrome Finish, Brass Mop Plate *(08 71 11 00-1812)*

08 71 11 00-1843	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	48.89	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	51.30	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1845	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	53.73	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1846	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	56.16	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	59.49	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	61.92	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	64.34	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	66.75	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	70.48	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	72.92	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	75.35	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	79.31	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	81.72	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	84.14	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	62.22	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	65.83	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	69.48	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	73.13	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1861 EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	77.67	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862 EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	81.31	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863 EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	84.93	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864 EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	88.58	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865 EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	93.53	6.11
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866 EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	97.14	6.11
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867 EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	100.79	6.11
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868 EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	105.94	6.50
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869 EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	109.59	6.50
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870 EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	113.22	6.50
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1871 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1812)*

08 71 11 00-1872 EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	49.33	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873 EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	51.78	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1874 EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	54.25	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1875 EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	56.71	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876 EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	60.10	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877 EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	62.57	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878 EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	65.04	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879 EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	67.51	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880 EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	71.25	6.11
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881 EA 4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	73.72	6.11
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882 EA 4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	76.19	6.11
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883 EA 4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	80.19	6.50
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884 EA 4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	82.66	6.50
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885 EA 4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	85.10	6.50
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886 EA 6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	62.87	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887 EA 6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	66.59	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888 EA 6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	70.28	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889 EA 6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	81.16	5.58
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890 EA 6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	78.58	5.81
For Four Beveled Edges, Add	*1.76*	
For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1891	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	82.27	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	85.96	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	89.65	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	94.67	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	98.36	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	102.05	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	107.28	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	110.97	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	114.66	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1900 Satin Nickel Finish, Brass Mop Plate *(08 71 11 00-1812)*

08 71 11 00-1901	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	49.85	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	52.34	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1903	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	54.86	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1904	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	57.38	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	60.81	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	63.31	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	65.82	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	68.34	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	72.17	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	74.67	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	77.16	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	81.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	83.74	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	86.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	63.65	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	67.42	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.18	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	74.94	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	79.63	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	83.39	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1921	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	87.15	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	90.93	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	96.00	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	99.77	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	103.54	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	108.83	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	112.59	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	116.37	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1929 Stainless Base Material Mop Plate *(08 71 11 00-1781)*

08 71 11 00-1930 Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1929)*

08 71 11 00-1931	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.11	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.89	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1933	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	32.71	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1934	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.51	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	35.24	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.05	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.84	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.65	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	39.75	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.56	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.38	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	43.69	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.51	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	45.30	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	35.51	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.73	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.94	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	39.16	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.27	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.47	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1951	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	43.70	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.90	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.42	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	48.61	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.82	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	52.57	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	53.76	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	54.98	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1959 Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1929)*

08 71 11 00-1960	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	41.93	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	43.73	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1962	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	45.54	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1963	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	47.31	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	50.03	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	51.82	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	53.62	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	55.42	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	58.49	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	60.30	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	62.10	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	65.41	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	67.22	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	68.99	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	51.78	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	54.50	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.19	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	59.88	5.58
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	63.47	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	66.16	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	68.85	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1981	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	71.53	5.81
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	75.54	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	78.23	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	80.91	6.11
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	85.13	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	87.81	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	90.49	6.50
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1988 Plastic Mop Plate *(08 71 11 00-1781)*

08 71 11 00-1989 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-1988)*

Note: With four beveled edges.

08 71 11 00-1990	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	29.61	5.58
08 71 11 00-1991	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.28	5.58
08 71 11 00-1992	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.96	5.58
08 71 11 00-1993	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.63	5.58
08 71 11 00-1994	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.22	5.81
08 71 11 00-1995	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.89	5.81
08 71 11 00-1996	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.56	5.81
08 71 11 00-1997	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.24	5.81
08 71 11 00-1998	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.21	6.11
08 71 11 00-1999	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.88	6.11
08 71 11 00-2000	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.54	6.11
08 71 11 00-2001	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.74	6.50
08 71 11 00-2002	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.43	6.50
08 71 11 00-2003	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.09	6.50
08 71 11 00-2004	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.30	5.58
08 71 11 00-2005	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.32	5.58
08 71 11 00-2006	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.32	5.58
08 71 11 00-2007	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.32	5.58
08 71 11 00-2008	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.26	5.81
08 71 11 00-2009	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.26	5.81
08 71 11 00-2010	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.27	5.81
08 71 11 00-2011	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.27	5.81
08 71 11 00-2012	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.59	6.11
08 71 11 00-2013	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.59	6.11
08 71 11 00-2014	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.59	6.11
08 71 11 00-2015	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.14	6.50
08 71 11 00-2016	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.14	6.50
08 71 11 00-2017	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	50.14	6.50

08 71 11 00-2018 Armor Door Plate *(08 71 11 00-0759)*

Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 11 00-2019	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	15.90	0.96
08 71 11 00-2020	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	15.06	0.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2021	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	17.59	0.96
08 71 11 00-2022	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	16.75	0.75
08 71 11 00-2023	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	34.51	0.96
08 71 11 00-2024	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	33.67	0.75

08 71 11 00-2025 Pull Handle And Plates *(08 71 11 00-0759)*

08 71 11 00-2026 Pull Handle *(08 71 11 00-2025)*

08 71 11 00-2027	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	37.41	6.30
		For Stainless Steel, Add	*5.12*	
		For Brass, Add	*6.95*	
		For Bronze Anodized, Add	*2.19*	
08 71 11 00-2028	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	38.99	6.30
		For Stainless Steel, Add	*5.78*	
		For Brass, Add	*7.85*	
		For Bronze Anodized, Add	*2.48*	
08 71 11 00-2029	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	41.49	6.30
		For Stainless Steel, Add	*6.83*	
		For Brass, Add	*9.27*	
		For Bronze Anodized, Add	*2.93*	
08 71 11 00-2030	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	42.87	6.30
		For Stainless Steel, Add	*7.41*	
		For Brass, Add	*10.06*	
		For Bronze Anodized, Add	*3.18*	
08 71 11 00-2031	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	45.38	6.30
		For Stainless Steel, Add	*8.47*	
		For Brass, Add	*11.49*	
		For Bronze Anodized, Add	*3.63*	
08 71 11 00-2032	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	48.62	6.30
		For Stainless Steel, Add	*9.83*	
		For Brass, Add	*13.34*	
		For Bronze Anodized, Add	*4.21*	
08 71 11 00-2033	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	39.11	6.30
		For Stainless Steel, Add	*5.83*	
		For Brass, Add	*7.92*	
		For Bronze Anodized, Add	*2.50*	
08 71 11 00-2034	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	42.57	6.30
		For Stainless Steel, Add	*7.29*	
		For Brass, Add	*9.89*	
		For Bronze Anodized, Add	*3.12*	
08 71 11 00-2035	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	43.14	6.30
		For Stainless Steel, Add	*7.53*	
		For Brass, Add	*10.21*	
		For Bronze Anodized, Add	*3.23*	
08 71 11 00-2036	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	78.01	6.30
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*9.98*	
		For Brass, Add	*9.19*	
08 71 11 00-2037	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	80.14	6.30
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*10.38*	
		For Brass, Add	*9.56*	
08 71 11 00-2038	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	84.44	6.30
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*11.19*	
		For Brass, Add	*10.30*	
08 71 11 00-2039	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	109.31	6.30
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*15.89*	
		For Brass, Add	*14.63*	

08 71 11 00-2040 Pull Plate *(08 71 11 00-2025)*

08 71 11 00-2041	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	53.85	4.77
		For Stainless Steel, Add	*20.50*	
		For Brass, Add	*26.06*	
		For Bronze Anodized, Add	*6.26*	
08 71 11 00-2042	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	55.06	4.77
		For Stainless Steel, Add	*21.22*	
		For Brass, Add	*26.97*	
		For Bronze Anodized, Add	*6.47*	
08 71 11 00-2043	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	57.82	4.77
		For Stainless Steel, Add	*22.84*	
		For Brass, Add	*29.04*	
		For Bronze Anodized, Add	*6.97*	

08 71 11 00-2044 Push Bars And Plates *(08 71 11 00-0759)*

08 71 11 00-2045 Push Bars *(08 71 11 00-2044)*

08 71 11 00-2046	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	164.78	4.77
08 71 11 00-2047	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	136.79	4.77
		For Brass Push Bar, Add	*20.48*	
08 71 11 00-2048	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	141.73	4.77
		For Brass Push Bar, Add	*21.34*	
08 71 11 00-2049	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	264.37	4.77
		For Brass Push Bar, Add	*42.68*	

08 71 11 00-2050 Push Plates *(08 71 11 00-2044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2051		**Aluminum Push Plates** *(08 71 11 00-2050)*		
08 71 11 00-2052		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 11 00-2051)* Note: Ives 8200 Series.		
08 71 11 00-2053	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	27.83	4.77
08 71 11 00-2054	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	27.83	4.77
08 71 11 00-2055	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	27.83	4.77
08 71 11 00-2056	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	30.04	4.77
08 71 11 00-2057		**Stainless Steel Push Plates** *(08 71 11 00-2050)*		
08 71 11 00-2058		**Satin Finish, Stainless Steel Push Plates** *(08 71 11 00-2057)* Note: Ives 8200 Series.		
08 71 11 00-2059	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	27.83	4.77
08 71 11 00-2060	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	29.53	4.77
08 71 11 00-2061	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	33.41	4.77
08 71 11 00-2062	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	39.15	4.77
08 71 11 00-2063		**Brass Push Plates** *(08 71 11 00-2050)*		
08 71 11 00-2064		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 11 00-2063)* Note: Ives 8200 Series.		
08 71 11 00-2065	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	33.02	4.77
08 71 11 00-2066	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	37.38	4.77
08 71 11 00-2067	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	47.88	4.77
08 71 11 00-2068	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	54.79	4.77
08 71 11 00-2069		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 11 00-2063)* Note: Ives 8200 Series.		
08 71 11 00-2070	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	36.51	4.77
08 71 11 00-2071	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	40.05	4.77
08 71 11 00-2072	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	49.67	4.77
08 71 11 00-2073	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	59.16	4.77
08 71 11 00-2074		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2063)* Note: Ives 8200 Series.		
08 71 11 00-2075	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	36.51	4.77
08 71 11 00-2076	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	40.05	4.77
08 71 11 00-2077	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	51.37	4.77
08 71 11 00-2078	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	60.10	4.77
08 71 11 00-2079		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2063)* Note: Ives 8200 Series.		
08 71 11 00-2080	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	36.51	4.77
08 71 11 00-2081	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	40.94	4.77
08 71 11 00-2082	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	54.06	4.77
08 71 11 00-2083	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	62.79	4.77
08 71 11 00-2084		**Exit Devices** *(08 71 11)*		
08 71 11 00-2085		**Push Bar Exit Device, Von Duprin Series 22** *(08 71 11 00-2084)* Note: Grade 1, BHMA 156.3.		
08 71 11 00-2086	EA	3' Push Bar, Rim Type, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.	558.02	85.97
		For 4' Push Bar, Add	*13.00*	
08 71 11 00-2087	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.	623.08	85.97
		For 4' Push Bar, Add	*13.00*	
08 71 11 00-2088	EA	3' Push Bar, Surface Vertical Rods, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.	814.45	103.17
		For 4' Push Bar, Add	*13.00*	
08 71 11 00-2089	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.	976.48	95.53
		For 4' Push Bar, Add	*13.00*	
08 71 11 00-2090	EA	Dummy Trim (Von Duprin Series 22, 210DT) Note: Anodized finish: aluminum or dark brown.	74.97	14.33
08 71 11 00-2091	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) Note: Anodized finish: aluminum or dark brown.	169.76	19.10
08 71 11 00-2092	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K) Note: Anodized finish: aluminum or dark brown.	315.71	28.66
08 71 11 00-2093	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L) Note: Anodized finish: aluminum or dark brown.	312.71	28.66
08 71 11 00-2094	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) Note: Anodized finish: aluminum or dark brown.	311.96	28.66
08 71 11 00-2095	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) Note: Anodized finish: aluminum or dark brown.	242.19	28.66
08 71 11 00-2096	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO) Note: Anodized finish: aluminum or dark brown.	98.07	11.46
08 71 11 00-2097	EA	Dummy Trim (Von Duprin Series 22, 230DT) Note: Anodized finish: aluminum or dark brown.	113.22	14.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2098	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) Note: Anodized finish: aluminum or dark brown.	209.52	19.10
08 71 11 00-2099	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) Note: Anodized finish: aluminum or dark brown.	239.20	28.66
08 71 11 00-2100	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) Note: Anodized finish: aluminum or dark brown.	238.45	28.66
08 71 11 00-2101		**Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35** *(08 71 11 00-2084)* Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2102	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 33/35.	1,065.65	85.97
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*85.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*164.35*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*31.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*244.23*	
08 71 11 00-2103	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,451.30	103.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*120.44*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*231.12*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*44.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*343.45*	
08 71 11 00-2104	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,479.80	103.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*123.36*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*236.72*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*45.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*351.77*	
08 71 11 00-2105	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,503.83	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*121.52*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*233.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*45.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*346.51*	
08 71 11 00-2106	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,577.34	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*129.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*247.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*47.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*367.98*	
08 71 11 00-2107	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,680.11	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*139.57*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*267.82*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*51.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*397.99*	
08 71 11 00-2108	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,753.62	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*147.10*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*282.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*54.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*419.45*	
08 71 11 00-2109	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown.	239.24	14.33
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*39.50*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.70*	
08 71 11 00-2110	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown.	301.03	19.10
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*48.64*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*72.28*	
08 71 11 00-2111	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL) Note: Anodized finish: aluminum or dark brown.	481.81	19.10
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*84.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.28*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*125.07*	
08 71 11 00-2112	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown.	603.01	28.66
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*103.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*153.76*	
08 71 11 00-2113	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown.	579.00	28.66
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*98.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.10*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*146.75*	
08 71 11 00-2114	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown.	567.74	28.66
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*96.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*143.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2115	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown.	573.00	28.66
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*97.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*145.00*	
08 71 11 00-2116		**Push Bar Exit Device, Von Duprin Series 98/99** *(08 71 11 00-2084)* Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2117	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	941.13	85.97
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*43.42*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*69.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*110.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*225.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*71.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*104.64*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2118	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,065.65	85.97
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*51.02*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*81.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*129.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*265.14*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*83.64*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*122.95*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2119	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,024.39	85.97
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*48.50*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*123.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*252.06*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*79.51*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*116.88*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2120	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,145.91	85.97
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*55.92*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*88.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*142.08*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*290.58*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*91.67*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*134.75*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2121	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,338.03	103.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*64.84*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*103.10*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*164.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*336.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*106.29*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*156.25*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2122	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,506.81	103.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*75.13*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*119.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*190.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*390.45*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*123.17*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*181.06*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2123	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,407.82	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*101.43*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*105.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*169.06*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*345.75*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.07*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*160.33*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2124	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,580.35	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*117.48*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*122.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*195.80*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*400.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*126.32*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*185.69*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2125	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,584.10	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*117.83*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*122.90*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*196.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*401.63*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*126.70*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*186.24*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2126	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,756.62	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*133.87*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*139.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*223.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*456.32*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*143.95*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*211.60*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2127	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,533.09	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*113.08*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*117.95*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*188.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*385.46*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*121.60*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*178.74*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2128	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	1,727.37	118.45
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*131.15*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*136.79*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*218.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*447.04*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*141.02*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*207.30*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2129	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	1,666.59	103.17
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*84.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*215.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*441.10*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*139.15*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*204.55*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2130	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	1,778.36	103.17
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*91.70*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*145.82*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*233.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*476.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*150.33*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*220.98*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2131	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	1,326.99	106.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*38.50*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*100.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*161.27*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*329.81*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*104.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*152.94*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2132	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	1,453.76	106.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*43.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*113.22*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*180.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*370.00*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*116.72*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*171.58*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2133	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	1,461.07	118.45
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*106.39*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*110.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*177.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*362.63*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*114.39*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*168.16*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2134	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,587.09	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*123.19*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*196.84*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*402.57*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*127.00*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*186.68*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2135	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,591.59	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.52*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*123.62*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*197.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*404.00*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*127.45*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*187.34*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2136	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,816.63	118.45
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*139.45*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*145.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*232.42*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*475.34*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*149.95*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*220.43*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Cylinder Dogging Indicator (CI), Add	*132.22*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2137	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,070.00	99.34
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*279.39*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*571.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*180.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*67.05*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*75.35*	
		For Center Case Dogging (CD-CX), Add	*214.45*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2138	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,194.52	99.34
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*298.69*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*610.88*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*192.71*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.69*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*80.55*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2139	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,463.52	122.27
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*330.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*675.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*213.11*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*79.28*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*89.08*	
		For Center Case Dogging (CD-CX), Add	*214.45*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2140	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	2,590.30	122.27
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*349.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*715.74*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*225.79*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*83.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*94.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2141	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99)	1,334.89	99.34
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*165.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*338.38*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*106.74*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*39.71*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.27*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2142	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	1,459.41	99.34
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*184.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*377.85*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*119.20*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*44.34*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*68.42*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2143	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	1,728.41	122.27
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*216.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*442.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*139.60*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*51.93*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*80.13*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.45*	
		For Special Center Case Dogging (SD), Add	*198.64*	
		For Dogging Indicator (DI), Add	*121.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2144	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F)	1,855.17	122.27
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*236.02*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*482.71*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*152.27*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*56.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*87.41*	
		For Quiet Electric Latch Retraction (QEL), Add	*383.97*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.37*	
		For Safety Glow Touchpad, Add	*221.41*	
08 71 11 00-2145	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO)	110.27	11.46
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*2.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*3.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*13.55*	
08 71 11 00-2146	EA	Dummy Trim (Von Duprin Series 98/99, 990DT)	162.20	14.33
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.72*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.58*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*21.08*	
08 71 11 00-2147	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL)	259.85	19.10
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.19*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.08*	
08 71 11 00-2148	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	186.34	19.10
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.99*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.58*	
08 71 11 00-2149	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L)	436.50	28.66
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*61.21*	
08 71 11 00-2150	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)	362.99	28.66
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.72*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71 11 00-2151	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)	362.99	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.60*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.90*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.72*	
	08 71 11 00-2152	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)	373.24	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.90*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.36*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*50.46*	
	08 71 11 00-2153	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	299.73	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.70*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.05*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.96*	
	08 71 11 00-2154	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT))	299.73	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.70*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.05*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.96*	
	08 71 11 00-2155	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)	363.13	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.60*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.90*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.74*	
	08 71 11 00-2156	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	289.61	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.40*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.59*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*36.24*	
	08 71 11 00-2157	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	289.61	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.40*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.59*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*36.24*	
	08 71 11 00-2158	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	357.43	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.43*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.65*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*47.77*	
	08 71 11 00-2159	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	283.92	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.23*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.34*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.28*	
	08 71 11 00-2160	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	283.92	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.23*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.34*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.28*	
	08 71 11 00-2161	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	326.43	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.50*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.25*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*42.50*	
	08 71 11 00-2162	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	252.92	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.30*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.94*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.01*	
	08 71 11 00-2163	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	252.92	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.30*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.94*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.01*	
	08 71 11 00-2164	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	272.95	28.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.90*	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.84*	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*33.41*	
	08 71 11 00-2165		Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2084)*		
	08 71 11 00-2166	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	729.76	28.66
	08 71 11 00-2167	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	445.00	28.66
			For Battery Backup (Includes Board And 2 Batteries), Add	*91.23*	
			For Fire Alarm Interface, Add	*45.62*	
			For 2 Relay Panic Device Control Board, Add	*105.83*	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*124.07*	
			For 4 Relay Output Board, Add	*102.18*	
			For 4 Relay Logic Board, Add	*280.24*	
			For Fused 8 Zone Distribution Board, Add	*36.49*	
	08 71 11 00-2168	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	416.38	28.66
	08 71 11 00-2169	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	234.57	28.66
			For Battery Backup (Includes Board And 2 Batteries), Add	*91.23*	
			For Fire Alarm Interface, Add	*45.62*	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*124.07*	
			For 4 Relay Output Board, Add	*102.18*	
			For 4 Relay Logic Board, Add	*280.24*	
			For Fused 8 Zone Distribution Board, Add	*36.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2170	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	374.52	28.66
		For Battery Backup (Includes Board And 2 Batteries), Add	*91.23*	
		For Fire Alarm Interface, Add	*45.62*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*124.07*	
		For 4 Relay Output Board, Add	*102.18*	
		For 4 Relay Logic Board, Add	*280.24*	
		For Fused 8 Zone Distribution Board, Add	*36.49*	
08 71 11 00-2171	EA	Request to Exit Push Pad Monitor Switch (RX)	159.04	19.10

08 71 11 00-2172 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2084)*

08 71 11 00-2173	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices.	421.48	19.10
		For Owner Furnished Material, Deduct	*-345.06*	
08 71 11 00-2174	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices.	448.48	19.10
		For Owner Furnished Material, Deduct	*-372.06*	
08 71 11 00-2175	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	739.76	19.10
		For Owner Furnished Material, Deduct	*-663.34*	
08 71 11 00-2176	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	724.80	22.93
		For Owner Furnished Material, Deduct	*-633.10*	
08 71 11 00-2177	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	751.80	22.93
		For Owner Furnished Material, Deduct	*-660.10*	
08 71 11 00-2178	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	811.07	22.93
		For Owner Furnished Material, Deduct	*-719.37*	
08 71 11 00-2179	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	610.50	19.10
		For Owner Furnished Material, Deduct	*-534.08*	
08 71 11 00-2180	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	638.26	19.10
		For Owner Furnished Material, Deduct	*-561.84*	
08 71 11 00-2181	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	694.52	19.10
		For Owner Furnished Material, Deduct	*-618.10*	
08 71 11 00-2182	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	943.08	22.93
		For Owner Furnished Material, Deduct	*-851.38*	
08 71 11 00-2183	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	970.84	22.93
		For Owner Furnished Material, Deduct	*-879.14*	
08 71 11 00-2184	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	1,843.01	22.93
		For Owner Furnished Material, Deduct	*-1,751.31*	
08 71 11 00-2185	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	86.82	15.29
		For Owner Furnished Material, Deduct	*-56.26*	

08 71 11 00-2186 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 *(08 71 11 00-2084)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2187	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	1,661.99	85.97
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*180.52*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*207.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*273.65*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*298.01*	
08 71 11 00-2188	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	2,137.69	118.45
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*229.39*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*263.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*347.73*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*378.67*	
08 71 11 00-2189	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	2,340.97	118.45
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*255.00*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*293.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*386.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*420.96*	
08 71 11 00-2190	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	2,187.94	118.45
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*235.72*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*271.27*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*357.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*389.13*	
08 71 11 00-2191	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	2,385.22	118.45
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*260.58*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*299.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*395.00*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*430.16*	
08 71 11 00-2192	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.	1,653.29	106.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*172.21*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*198.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*261.04*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*284.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2193	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	1,786.06	106.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*188.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*217.43*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*286.40*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*311.89*	
08 71 11 00-2194	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	285.00	14.33
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*31.10*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*47.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*51.33*	
08 71 11 00-2195	EA	Cylinder Assembly, Von Duprin Series 55	123.25	20.25
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.79*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*13.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*14.51*	
08 71 11 00-2196	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	482.56	20.25
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*54.06*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*62.22*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*81.95*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.25*	
08 71 11 00-2197	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	514.49	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*55.20*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*63.52*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*83.67*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*91.12*	
08 71 11 00-2198	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	416.97	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.91*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*65.05*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*70.83*	
08 71 11 00-2199	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	514.49	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*55.20*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*63.52*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*83.67*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*91.12*	
08 71 11 00-2200	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	594.00	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*75.05*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*98.86*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*107.66*	
08 71 11 00-2201		**Cross Bar Exit Device, Von Duprin Series 88** *(08 71 11 00-2084)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2202	EA	42" Crossbar, Rim Type, Exit Device	1,041.64	85.97
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*25.18*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*26.00*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*221.78*	
08 71 11 00-2203	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,220.92	85.97
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*30.74*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*31.73*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*270.72*	
08 71 11 00-2204	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,350.79	103.17
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.35*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*34.42*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*293.66*	
08 71 11 00-2205	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	1,738.59	103.17
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*45.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*46.83*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*399.53*	
08 71 11 00-2206	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,295.22	118.45
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*30.32*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*31.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*267.02*	
08 71 11 00-2207	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	1,647.86	118.45
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*41.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.58*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*363.29*	
08 71 11 00-2208	EA	42" Crossbar, Mortise Lock, Exit Device	1,396.75	106.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.42*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.53*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*303.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2209	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	1,488.27	106.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*37.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*38.45*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*328.06*	
08 71 11 00-2210	EA	Dummy Trim (Von Duprin Series 88, DT)	156.73	14.33
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*3.67*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*3.79*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*32.36*	
08 71 11 00-2211	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	252.27	19.10
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*6.16*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*6.36*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*54.27*	
08 71 11 00-2212	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	440.98	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*11.30*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*11.67*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*99.52*	
08 71 11 00-2213	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	410.97	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*91.33*	
08 71 11 00-2214	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	309.71	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.23*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*7.47*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*63.69*	
08 71 11 00-2215	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	309.71	28.66
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.23*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*7.47*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*63.69*	

08 71 11 00-2216 Door Closers *(08 71 11)*

Note: Includes standard cover and arm.

08 71 11 00-2217	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	334.18	22.16
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2218	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	409.10	22.16
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2219	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)	421.01	22.16
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2220	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	435.92	22.16
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2221	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	278.07	22.16
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2222	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	280.58	22.16
		For Parallel Arm, Add	*22.40*	

08 71 11 00-2223 Concealed Door Closers *(08 71 11)*

08 71 11 00-2224	EA	Non Hold Open, Floor Concealed Door Closer (Rixson 27/28)	941.71	65.72
08 71 11 00-2225	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,011.93	65.72
08 71 11 00-2226	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	483.37	26.75
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2227	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	524.45	26.75
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2228 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2229 Locksmith Services *(08 71 11 00-2228)*

08 71 11 00-2230	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	1.12	
		For >50, Deduct	*-0.22*	
08 71 11 00-2231	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	91.74	
		For >5, Deduct	*-9.17*	
08 71 11 00-2232	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	91.74	
		For >5, Deduct	*-9.17*	
08 71 11 00-2233	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	103.70	
		For >5, Deduct	*-9.17*	
08 71 11 00-2234	EA	Open Locked Doors	91.74	
08 71 11 00-2235	EA	Install Owner Furnished Cores And Cylinders	38.40	

08 71 11 00-2236 Mortise Locksets And Latchsets *(08 71 11 00-2228)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2237	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	560.21	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*15.97*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*14.51*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*24.19*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*170.78*	
08 71 11 00-2238	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	667.71	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*19.51*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*17.74*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*29.56*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*208.73*	
08 71 11 00-2239	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	743.74	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*22.02*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*20.02*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*33.37*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*235.56*	
08 71 11 00-2240	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	693.80	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*20.37*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*18.52*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*30.87*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*217.94*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*45.27*	
08 71 11 00-2241	EA	Storeroom/Closet F07 Mortise Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	693.80	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*20.37*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*18.52*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*30.87*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*217.94*	
08 71 11 00-2242	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside.	775.58	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*23.07*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*20.97*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*34.96*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*246.80*	
08 71 11 00-2243	EA	Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside.	666.96	19.10
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*19.49*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*17.72*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*29.53*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*208.46*	

08 71 11 00-2244 Locks And Latches *(08 71 11 00-2228)*

08 71 11 00-2245 Preassembled Locks And Latches *(08 71 11 00-2244)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2246	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) Note: Both sides always unlocked.	1,034.58	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*29.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*48.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*344.98*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*181.77*	
		For Grade 2, Deduct	*-380.16*	
08 71 11 00-2247	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220) Note: Locked with push button inside.	1,120.02	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*31.88*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.14*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*375.14*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*197.66*	
		For Grade 2, Deduct	*-413.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2248	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261) Note: Locked with key outside and push button inside.	1,273.22	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*36.48*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*60.80*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*429.22*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*226.16*	
		For Grade 2, Deduct	*-472.99*	
08 71 11 00-2249	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255) Note: Locked with key outside. Inside always unlocked.	1,273.22	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*36.48*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*60.80*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*429.22*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*226.16*	
		For Grade 2, Deduct	*-472.99*	
08 71 11 00-2250	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257) Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	1,273.22	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*36.48*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*60.80*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*429.22*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*226.16*	
		For Grade 2, Deduct	*-472.99*	
08 71 11 00-2251		**Bored Locks And Latches** *(08 71 11 00-2244)* Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2252	EA	Passage/Closet F75 Bored Latchset Note: Both sides always unlocked.	188.04	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*3.35*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*5.58*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*39.40*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*20.76*	
		For Grade 2, Deduct	*-5.58*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.23*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2253	EA	Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside.	214.65	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.15*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*6.91*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*48.80*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*25.71*	
		For Grade 2, Deduct	*-6.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.76*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2254	EA	Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside.	236.11	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.79*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.98*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.37*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.70*	
		For Grade 2, Deduct	*-7.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2255	EA	Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked.	236.11	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.79*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.98*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.37*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.70*	
		For Grade 2, Deduct	*-7.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2256	EA	Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	236.11	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.79*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.98*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.37*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.70*	
		For Grade 2, Deduct	*-7.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2257	EA	Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside.	236.11	19.10
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.79*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.98*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.37*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.70*	
		For Grade 2, Deduct	*-7.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.19*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2258		**Other Locks** *(08 71 11 00-2228)* Note: BHMA A156.5.		
08 71 11 00-2259	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	609.57	99.34
08 71 11 00-2260	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,370.79	198.68
08 71 11 00-2261		**Pushbutton Combination Locks** *(08 71 11 00-2228)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2262		**Mechanical Pushbutton Combination Locks** *(08 71 11 00-2261)* Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2263		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)** *(08 71 11 00-2262)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2264	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	488.85	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2265	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	523.77	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2266	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	537.74	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2267	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	572.66	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2268	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	548.21	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2269	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	583.14	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2270	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	597.11	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2271	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	632.03	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2272		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)** *(08 71 11 00-2262)* Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2273	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	539.83	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2274	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	567.77	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2275	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	623.65	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2276	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	644.60	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2277	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	644.60	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2278	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	609.68	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2279		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)** *(08 71 11 00-2262)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2280	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	649.49	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2281	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	670.45	48.00
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2282		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)** *(08 71 11 00-2262)* Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2283	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	288.39	48.00
08 71 11 00-2284	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	380.58	48.00
08 71 11 00-2285		**Electrical Pushbutton Combination Locks** *(08 71 11 00-2261)* Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2286		**Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series)** *(08 71 11 00-2285)* Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2287	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	506.31	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2288	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	590.12	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2289	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	611.08	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2290	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	576.15	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2291	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	541.23	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2292	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	611.08	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2293	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	625.05	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2294	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	646.00	48.00
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2295	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	611.08	48.00
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2296 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2285)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2297	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	646.00	48.00
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2298	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	646.00	48.00
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2299 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2285)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2300	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	754.26	48.00
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2301	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	754.26	48.00
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2302 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2285)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2303	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	810.14	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2304	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	879.98	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2305	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	893.95	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2306	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	914.91	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2307	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	879.98	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2308		**Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)** *(08 71 11 00-2285)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2309	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,141.91	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2310	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,211.75	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2311	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,225.72	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2312	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,246.67	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2313	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,211.75	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*84.80*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2314		**Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)** *(08 71 11 00-2285)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2315	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,616.86	48.00
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	
08 71 11 00-2316		**Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)** *(08 71 11 00-2285)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2317	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,019.68	48.00
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2318		**Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)** *(08 71 11 00-2285)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2319	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	628.54	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-436.54*	
08 71 11 00-2320	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	712.35	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-520.35*	
08 71 11 00-2321	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	733.31	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-541.31*	
08 71 11 00-2322	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	698.38	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-506.38*	
08 71 11 00-2323	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	663.46	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-471.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2324	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	733.31	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-541.31*	
08 71 11 00-2325	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	747.28	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-555.28*	
08 71 11 00-2326	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	768.23	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-576.23*	
08 71 11 00-2327	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	733.31	48.00
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-541.31*	
08 71 11 00-2328		**Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)** *(08 71 11 00-2285)*		
08 71 11 00-2329	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	502.83	
08 71 11 00-2330	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	642.52	
08 71 11 00-2331	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	852.06	
08 71 11 00-2332	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	254.92	
08 71 11 00-2333	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series) Note: Includes 4 C-cell battery pack.	77.87	
08 71 11 00-2334	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	92.54	
08 71 11 00-2335		**Electrical Pushbutton Combination Locks (Schlage)** *(08 71 11 00-2285)* Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2336	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	613.56	47.76
		For Owner Furnished Material, Deduct	*-422.51*	
08 71 11 00-2337	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	708.41	47.76
		For Owner Furnished Material, Deduct	*-517.36*	
08 71 11 00-2338	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	797.71	47.76
		For Owner Furnished Material, Deduct	*-606.66*	
08 71 11 00-2339	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,037.91	47.76
		For Owner Furnished Material, Deduct	*-846.86*	
08 71 11 00-2340	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	1,133.38	47.76
		For Owner Furnished Material, Deduct	*-942.33*	
08 71 11 00-2341	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	1,245.47	47.76
		For Owner Furnished Material, Deduct	*-1,054.42*	
08 71 11 00-2342	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,145.69	47.76
		For Owner Furnished Material, Deduct	*-954.64*	
08 71 11 00-2343		**Residential Locks And Latchsets** *(08 71 11 00-2228)*		
08 71 11 00-2344	EA	Residential Entry Lockset With Knobs (Master Keyed)	55.35	11.52
08 71 11 00-2345	EA	Residential Privacy Lockset With Knobs	54.31	11.52
08 71 11 00-2346	EA	Residential Passage Lockset With Knobs	54.17	11.52
08 71 11 00-2347	EA	Residential Dummy Lockset With Knobs	43.19	9.60
08 71 11 00-2348	EA	Residential Entry Lockset With Levers (Master Keyed)	62.54	11.52
08 71 11 00-2349	EA	Residential Privacy Lockset With Levers	60.15	11.52
08 71 11 00-2350	EA	Residential Passage Lockset With Levers	58.43	11.52
08 71 11 00-2351	EA	Residential Dummy Lockset With Levers	44.01	9.60
08 71 11 00-2352	EA	Screen Door - Closer	34.60	8.29
08 71 11 00-2353	EA	Screen Door - Locking Handle	38.61	11.90
08 71 11 00-2354		**Deadbolts** *(08 71 11 00-2228)*		
08 71 11 00-2355		**Cylindrical Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2354)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2356	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	122.21	19.10
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2357	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	138.37	19.10
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2358		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 11 00-2354)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2359	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	111.13	19.10
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2360	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	128.79	19.10
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2361		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2354)* Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2362	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	157.84	19.10
08 71 11 00-2363	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	172.81	19.10
08 71 11 00-2364	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	154.85	19.10
08 71 11 00-2365		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2354)* Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2366	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	198.55	19.10
08 71 11 00-2367	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	223.10	19.10
08 71 11 00-2368	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	177.60	19.10
08 71 11 00-2369		**Surface Mounted Deadbolts** *(08 71 11 00-2354)*		
08 71 11 00-2370	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	87.01	19.10
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2371	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	97.83	19.10
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2372	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	106.43	19.10
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2373	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	117.25	19.10
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2374		**Surface Mounted Deadlatches** *(08 71 11 00-2228)*		
08 71 11 00-2375	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	87.86	19.10
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2376	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	106.47	19.10
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2377		**Electric Strikes** *(08 71 11 00-2228)*		
08 71 11 00-2378	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	226.00	38.21
08 71 11 00-2379	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	650.27	38.21
08 71 11 00-2380	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	621.56	38.21
08 71 11 00-2381	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	480.50	38.21
08 71 11 00-2382	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	653.33	38.21
08 71 11 00-2383	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	640.88	38.21
08 71 11 00-2384	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	698.35	38.21
08 71 11 00-2385	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	650.79	38.21
08 71 11 00-2386	EA	12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006)	401.93	38.21
08 71 11 00-2387	EA	12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	399.61	38.21
08 71 11 00-2388	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	199.47	38.21
08 71 11 00-2389	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	199.47	38.21
08 71 11 00-2390	EA	12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	253.83	38.21
08 71 11 00-2391	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	446.09	38.21
08 71 11 00-2392	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	224.65	38.21
08 71 11 00-2393	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	410.58	38.21
08 71 11 00-2394	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body,Fire Rated Concealed Electric Strike (HES 8500)	363.71	38.21
08 71 11 00-2395	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	432.96	50.43
08 71 11 00-2396	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	491.41	50.43
08 71 11 00-2397	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	433.27	50.43
08 71 11 00-2398		**Electric Hardware** *(08 71 11 00-2228)*		
08 71 11 00-2399	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	122.30	
08 71 11 00-2400	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	141.84	
08 71 11 00-2401	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	75.13	19.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2402	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	235.69	19.10
08 71 11 00-2403	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	409.40	19.10
08 71 11 00-2404	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	627.27	19.10
08 71 11 00-2405	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	693.10	19.10
08 71 11 00-2406	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	827.73	19.10
08 71 11 00-2407	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,003.99	19.10

08 71 11 00-2408 Magnetic Locks *(08 71 11 00-2228)*

08 71 11 00-2409	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	505.94	91.70
08 71 11 00-2410	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	607.48	103.17
08 71 11 00-2411	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	592.76	91.70
08 71 11 00-2412	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	694.13	103.17
08 71 11 00-2413	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	620.16	99.34
08 71 11 00-2414	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	679.71	99.34
08 71 11 00-2415	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	726.06	99.34
08 71 11 00-2416	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	797.29	114.63
08 71 11 00-2417	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	876.45	114.63
08 71 11 00-2418	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	912.11	114.63
08 71 11 00-2419	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	272.98	38.21
08 71 11 00-2420	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	450.83	38.21
08 71 11 00-2421	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	543.26	38.21

08 71 11 00-2422 Door Coordinators *(08 71 11)*

08 71 11 00-2423	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	309.92	23.88
		For Anodized Aluminum Finish, Deduct	*-85.76*	
08 71 11 00-2424	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	325.44	24.83
		For Anodized Aluminum Finish, Deduct	*-90.44*	
08 71 11 00-2425	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	333.22	25.79
		For Anodized Aluminum Finish, Deduct	*-92.02*	
08 71 11 00-2426	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	347.70	26.75
		For Anodized Aluminum Finish, Deduct	*-96.28*	
08 71 11 00-2427	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	372.69	27.70
		For Anodized Aluminum Finish, Deduct	*-104.75*	
08 71 11 00-2428	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	73.14	7.64
		For Anodized Aluminum Finish, Deduct	*-17.03*	
08 71 11 00-2429	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	80.57	8.60
		For Anodized Aluminum Finish, Deduct	*-18.47*	
08 71 11 00-2430	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	92.55	9.56
		For Anodized Aluminum Finish, Deduct	*-21.74*	
08 71 11 00-2431	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	68.48	9.56
08 71 11 00-2432	EA	7" Projection COR Series Gravity Type Door Coordinator	101.22	14.33
		For Anodized Aluminum Finish, Deduct	*-17.56*	
08 71 11 00-2433	EA	9" Projection COR Series Gravity Type Door Coordinator	108.24	14.33
		For Anodized Aluminum Finish, Deduct	*-20.37*	

08 71 11 00-2434 Removal And Reinstallation Of Door Hardware *(08 71 11)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2435	EA	Removal And Reinstallation Of Door Lockset, Entrance	57.32	
08 71 11 00-2436	EA	Removal And Reinstallation Of Door Lockset, Mortise	91.70	
08 71 11 00-2437	EA	Removal And Reinstallation Of Deadbolt Lock	61.14	
08 71 11 00-2438	PR	Removal And Reinstallation Of Butts/Hinges	15.29	
08 71 11 00-2439	EA	Removal And Reinstallation Of Door Bumper	5.35	
08 71 11 00-2440	EA	Removal And Reinstallation Of Surface Mounted Panic Device	152.83	
08 71 11 00-2441	EA	Removal And Reinstallation Of Kick Plate	19.10	
08 71 11 00-2442	EA	Removal And Reinstallation Of Push Plate	15.29	
08 71 11 00-2443	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	76.42	
08 71 11 00-2444	EA	Removal And Reinstallation Of Door Handles	11.47	

08 71 11 00-2445 Electromagnetic Door Release *(08 71 11)*

08 71 11 00-2446	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	372.34	48.15
08 71 11 00-2447	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	363.61	48.15
08 71 11 00-2448	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	407.65	48.15
08 71 11 00-2449	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	667.59	48.15
08 71 11 00-2450	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	644.41	48.15
08 71 11 00-2451	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	644.41	48.15
08 71 11 00-2452	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	587.72	48.15
08 71 11 00-2453	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	731.06	48.15
08 71 11 00-2454	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	698.12	48.15
08 71 11 00-2455	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	859.38	48.15

08 71 53 Security Door Hardware *(08 71)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 53 00-0001		**Door Exit Alarm Hardware** *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	227.45	28.66
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	313.43	28.66
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	264.17	28.66
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	340.22	28.66
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	395.84	38.21
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	70.11	38.21

08 72 Weatherstripping, Thresholds And Seals *(08 70)*

08 72 33 Weatherstripping And Seals *(08 72)*

08 72 33 00-0001		**Weather-Stripping And Seals** *(08 72 33)*		
08 72 33 00-0002		**Astragals** *(08 72 33 00-0001)* Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003		**Adhesive Backed Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	3.52	0.57
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	3.94	0.57
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	2.98	0.57
08 72 33 00-0007		**Overlapping Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0008		**Aluminum, Overlapping Astragals** *(08 72 33 00-0007)*		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	13.77	3.43
		For Color Anodized Finish, Add	*2.09*	
08 72 33 00-0010		**Stainless Steel, Overlapping Astragals** *(08 72 33 00-0007)*		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	28.66	3.43
08 72 33 00-0012		**"T" Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0013		**Aluminum, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	8.67	3.43
		For Color Anodized Finish, Add	*0.66*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	11.12	3.43
		For Color Anodized Finish, Add	*0.87*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	11.50	3.43
		For Color Anodized Finish, Add	*1.65*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	21.99	3.43
		For Color Anodized Finish, Add	*5.32*	
08 72 33 00-0018		**Brass/Bronze, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	55.23	3.43
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0020		**Locking Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0021		**Outswing Locking Astragals** *(08 72 33 00-0020)* Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022		**Aluminum, Outswing Locking Astragals** *(08 72 33 00-0021)*		
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	29.71	3.43
		For Color Anodized Finish, Add	*4.58*	
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	34.63	3.43
		For Color Anodized Finish, Add	*5.57*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	33.44	3.43
		For Thermal Break, Add	*1.60*	
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	37.43	3.43
		For Thermal Break, Add	*1.84*	
08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)* Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	34.93	3.43
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) Note: Includes kerf-in foam seal.	34.75	3.43

08 72 33 00-0031 Aluminum, Inswing Locking Astragals *(08 72 33 00-0027)*

08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	19.41	3.43
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.52*	
08 72 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	23.52	3.43
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.35*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	20.97	3.43
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*2.84*	
08 72 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	25.04	3.43
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.65*	

08 72 33 00-0036 Security Astragals *(08 72 33 00-0002)*

08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	18.05	3.43
		For Color Anodized Finish, Add	*11.26*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	30.97	3.43

08 72 33 00-0039 Meeting Stile Astragals *(08 72 33 00-0002)*

08 72 33 00-0040 One Piece, Meeting Stile Astragals *(08 72 33 00-0039)*

Note: Includes an astragal for one door only.

08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	10.98	3.43
		For Color Anodized Finish, Add	*1.26*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	17.18	5.11
		For Color Anodized Finish, Add	*2.79*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	23.25	5.11
		For Color Anodized Finish, Add	*1.31*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	24.03	5.11
		For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	32.05	5.11

08 72 33 00-0046 Two Piece, Meeting Stile Split Astragals *(08 72 33 00-0039)*

Note: Includes one astragal for each door.

08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	13.41	5.11
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*3.21*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	13.41	5.11
		For Color Anodized Finish, Add	*3.21*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	13.41	5.11
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*3.21*	
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	21.93	5.11
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.35*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	17.74	5.11
		For Color Anodized Finish, Add	*3.02*	
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	18.30	5.11
		For Color Anodized Finish, Add	*3.24*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	22.49	5.11
		For Color Anodized Finish, Add	*6.15*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	23.04	5.11
		For Color Anodized Finish, Add	*5.14*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	23.60	5.11
		For Color Anodized Finish, Add	*5.36*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0056		Two Piece, Adjustable Meeting Stile Split Astragals *(08 72 33 00-0039)* Note: Includes one astragal for each door.		
08 72 33 00-0057		Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*		
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	43.43	5.11
		For Color Anodized Finish, Add	*8.31*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	44.30	5.11
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*6.82*	
08 72 33 00-0060		Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	174.25	5.11
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	162.78	5.11
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0063		Door Sweeps *(08 72 33 00-0001)*		
08 72 33 00-0064		Tack On Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	4.79	1.91
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	4.88	1.91
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	5.12	1.91
08 72 33 00-0068		Aluminum Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0069		35 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	11.69	3.81
		For Color Anodized Finish, Add	*1.62*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	12.11	3.81
		For Color Anodized Finish, Add	*1.56*	
08 72 33 00-0072		45 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	18.81	3.81
		For Color Anodized Finish, Add	*4.47*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	20.48	3.81
		For Color Anodized Finish, Add	*5.14*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	24.11	3.81
		For Color Anodized Finish, Add	*6.59*	
08 72 33 00-0076		90 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	13.08	3.81
		For Color Anodized Finish, Add	*0.54*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	12.94	3.81
		For Color Anodized Finish, Add	*0.53*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	13.92	3.81
		For Color Anodized Finish, Add	*2.20*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	14.34	3.81
		For Color Anodized Finish, Add	*2.68*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	12.67	3.81
		For Color Anodized Finish, Add	*1.26*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	16.57	3.81
		For Color Anodized Finish, Add	*1.79*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	13.50	3.81
		For Color Anodized Finish, Add	*1.17*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	9.84	3.81
		For Color Anodized Finish, Add	*1.10*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	9.94	3.81
		For Color Anodized Finish, Add	*1.15*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	11.13	3.81
		For Color Anodized Finish, Add	*1.22*	
08 72 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	11.41	3.81
		For Color Anodized Finish, Add	*1.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	11.69	3.81
		For Color Anodized Finish, Add	*1.62*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	13.92	3.81
		For Color Anodized Finish, Add	*2.20*	
08 72 33 00-0092		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	14.06	3.81
		For Color Anodized Finish, Add	*2.57*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	14.34	3.81
		For Color Anodized Finish, Add	*2.68*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	15.52	3.81
		For Color Anodized Finish, Add	*3.15*	
08 72 33 00-0096		Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*		
		Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	10.15	3.81
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	10.15	3.81
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	10.29	3.81
08 72 33 00-0100		Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0063)*		
08 72 33 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	9.87	3.81
		For Color Anodized Finish, Add	*1.56*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	11.69	3.81
		For Color Anodized Finish, Add	*1.62*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)	13.05	3.81
		Note: Includes clear anodized finish.		
		For Color Anodized Finish, Add	*1.08*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	13.29	3.81
		For Color Anodized Finish, Add	*1.13*	
08 72 33 00-0106		Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0107		90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	16.02	3.81
08 72 33 00-0109		Oak Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0110		90 Degree, Oak Retainer Door Sweeps *(08 72 33 00-0109)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	12.81	3.81
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	15.01	3.81
08 72 33 00-0113		Door Shoes And Bottoms *(08 72 33 00-0001)*		
08 72 33 00-0114		Door Shoes *(08 72 33 00-0113)*		
08 72 33 00-0115		Aluminum Retainer Door Shoes *(08 72 33 00-0114)*		
08 72 33 00-0116		Bottom Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	10.99	3.81
		For Color Anodized Finish, Add	*1.34*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	11.41	3.81
		For Color Anodized Finish, Add	*1.51*	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	15.46	3.81
		For Color Anodized Finish, Add	*1.56*	
08 72 33 00-0120		Side Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	12.81	3.81
		For Color Anodized Finish, Add	*2.07*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	11.69	3.81
		For Color Anodized Finish, Add	*2.03*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	12.53	3.81
		For Color Anodized Finish, Add	*1.96*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	12.81	3.81
		For Color Anodized Finish, Add	*2.07*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	18.48	3.81
		For Color Anodized Finish, Add	*2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	18.76	3.81
		For Color Anodized Finish, Add	*2.22*	
08 72 33 00-0128		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	11.97	3.81
		For Color Anodized Finish, Add	*2.17*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	12.81	3.81
		For Color Anodized Finish, Add	*2.07*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	12.94	3.81
		For Color Anodized Finish, Add	*2.12*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0132		**Vinyl Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	14.70	3.81
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	17.88	3.81
08 72 33 00-0135		**Door Bottoms** *(08 72 33 00-0113)*		
08 72 33 00-0136		**Automatic Door Bottoms** *(08 72 33 00-0135)*		
08 72 33 00-0137		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	26.02	3.81
		For Color Anodized Finish, Add	*3.68*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	37.53	3.81
		For Color Anodized Finish, Add	*5.98*	
08 72 33 00-0140		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	9.17	3.06
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.84*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	9.17	3.06
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.84*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	10.79	3.06
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.28*	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	49.18	
08 72 33 00-0145		**Perimeter Gasketing Weather-Strip** *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	2.90	1.91
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	2.93	1.91
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	3.67	1.91
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.20	1.91
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	4.28	1.91
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	3.96	1.91
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	5.30	1.91
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	4.88	1.91
08 72 33 00-0155		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	2.56	1.91
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	3.93	1.91
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	2.89	1.91
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	2.85	1.91
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	3.78	1.91
08 72 33 00-0161		**Cushion/Spring Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0162		**Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0161)*		
08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	6.94	1.91
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	6.94	1.91
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	7.57	1.91
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	7.70	1.91
08 72 33 00-0167		**Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0161)*		
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	6.60	1.91
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	7.57	1.91
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	8.62	1.91

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0171			Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0172			Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
	08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	5.42	1.91
			For Silicone Insert, Add	*0.95*	
			For Color Anodized Finish, Add	*1.61*	
	08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	5.42	1.91
			For Silicone Insert, Add	*0.95*	
			For Color Anodized Finish, Add	*1.61*	
	08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	5.42	1.91
			For Silicone Insert, Add	*0.95*	
			For Color Anodized Finish, Add	*1.61*	
	08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	9.67	1.91
			For Silicone Insert, Add	*0.63*	
			For Color Anodized Finish, Add	*1.17*	
	08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	9.95	1.91
			For Color Anodized Finish, Add	*3.07*	
			For Silicone Insert, Add	*0.95*	
	08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	9.95	1.91
			For Color Anodized Finish, Add	*2.15*	
08 72 33 00-0179			Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0180			Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
	08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	9.46	1.91
			For Silicone Insert, Add	*0.95*	
08 72 33 00-0182			Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
	08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	10.57	1.91
08 72 33 00-0184			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0185			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
	08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	22.61	1.91
			For Silicone Insert, Add	*1.58*	
	08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	39.46	1.91
08 72 33 00-0188			Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189			Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
	08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	33.86	1.91
			For Silicone Insert, Add	*0.63*	
08 72 33 00-0191			Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
	08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	13.42	3.81
			For Color Anodized Finish, Add	*2.31*	
	08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	13.91	3.81
			For Color Anodized Finish, Add	*2.51*	
08 72 33 00-0194			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
	08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	17.57	1.91
			For Color Anodized Finish, Add	*2.75*	
	08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	18.55	1.91
			For Color Anodized Finish, Add	*2.95*	

08 72 43 Thresholds *(08 72)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	20.58	6.11
		For Color Anodized Finish, Add	*2.12*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	22.96	6.11
		For Color Anodized Finish, Add	*3.07*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	26.63	7.64
		For Color Anodized Finish, Add	*5.28*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	29.29	7.64
		For Color Anodized Finish, Add	*5.10*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	32.49	7.64
		For Color Anodized Finish, Add	*4.69*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	37.24	7.64
		For Color Anodized Finish, Add	*4.54*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	44.70	9.17
		For Color Anodized Finish, Add	*5.45*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	47.91	9.17
		For Color Anodized Finish, Add	*6.25*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	53.03	9.17
		For Color Anodized Finish, Add	*7.53*	
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	22.54	6.11
		For Color Anodized Finish, Add	*2.54*	
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	22.68	6.11
		For Color Anodized Finish, Add	*3.70*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	27.75	7.64
		For Color Anodized Finish, Add	*6.06*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	30.47	7.64
		For Color Anodized Finish, Add	*5.69*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	32.77	7.64
		For Color Anodized Finish, Add	*4.79*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	37.24	7.64
		For Color Anodized Finish, Add	*4.54*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	46.37	9.17
		For Color Anodized Finish, Add	*8.21*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	49.30	9.17
		For Color Anodized Finish, Add	*10.55*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	52.24	9.17
		For Color Anodized Finish, Add	*11.73*	
08 72 43 00-0027		Brass/Bronze Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	66.43	6.11
08 72 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	105.54	6.11
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	127.40	7.64
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	154.47	7.64
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	180.80	7.64
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	210.88	7.64
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	271.12	9.17
08 72 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	139.43	7.64
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	169.52	7.64
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	199.60	7.64
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	237.21	7.64
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	337.56	9.17
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	320.31	9.17
08 72 43 00-0044		Stainless Steel Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	116.87	7.64
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	124.39	7.64

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0048		Half Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0049		Aluminum Half Saddle Thresholds *(08 72 43 00-0048)* Note: Includes mill finish.		
08 72 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	33.10	7.64
		For Color Anodized Finish, Add	*5.60*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	43.24	7.64
		For Color Anodized Finish, Add	*2.42*	
08 72 43 00-0053		Offset Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0054		Aluminum Offset Saddle Thresholds *(08 72 43 00-0053)* Note: Includes mill finish.		
08 72 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	33.19	7.64
		For Color Anodized Finish, Add	*7.05*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	36.82	7.64
		For Color Anodized Finish, Add	*6.21*	
08 72 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	33.19	7.64
		For Color Anodized Finish, Add	*7.05*	
08 72 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	38.22	7.64
		For Color Anodized Finish, Add	*6.70*	
08 72 43 00-0062		Modular Ramp Thresholds *(08 72 43 00-0001)* Note: Includes mill finish.		
08 72 43 00-0063		Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	35.51	7.64
		For Non-Slip Surfacing, Add	*60.69*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	44.51	8.41
		For Non-Slip Surfacing, Add	*77.56*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	56.77	9.55
		For Non-Slip Surfacing, Add	*105.50*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	72.54	9.93
		For Non-Slip Surfacing, Add	*142.24*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	84.57	10.69
		For Non-Slip Surfacing, Add	*189.54*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	104.99	11.84
		For Non-Slip Surfacing, Add	*211.41*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	117.13	12.98
		For Non-Slip Surfacing, Add	*237.02*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	124.24	13.75
		For Non-Slip Surfacing, Add	*241.85*	
08 72 43 00-0072		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	60.63	9.55
		For Non-Slip Surfacing, Add	*112.16*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	71.39	9.93
		For Non-Slip Surfacing, Add	*139.13*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	89.44	11.46
		For Non-Slip Surfacing, Add	*172.95*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	105.31	12.22
		For Non-Slip Surfacing, Add	*210.26*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	121.12	12.98
		For Non-Slip Surfacing, Add	*247.39*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	132.50	13.75
		For Non-Slip Surfacing, Add	*273.00*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	162.72	14.52
		For Non-Slip Surfacing, Add	*347.59*	
08 72 43 00-0080		7" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	70.27	10.31
		For Non-Slip Surfacing, Add	*138.99*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	82.54	11.46
		For Non-Slip Surfacing, Add	*166.94*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	99.06	12.22
		For Non-Slip Surfacing, Add	*201.47*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	111.09	12.98
		For Non-Slip Surfacing, Add	*229.82*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	130.75	13.75
		For Non-Slip Surfacing, Add	*268.45*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	142.13	14.52
		For Non-Slip Surfacing, Add	*294.06*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	164.24	15.28
			For Non-Slip Surfacing, Add	*334.23*	
08 72 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
	08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	169.16	9.55
			For Non-Slip Surfacing, Add	*18.01*	
	08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	261.07	9.55
			For Non-Slip Surfacing, Add	*29.04*	
	08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	517.68	13.37
			For Non-Slip Surfacing, Add	*58.91*	
08 72 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
	08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	169.16	9.55
			For Non-Slip Surfacing, Add	*18.01*	
	08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	261.07	9.55
			For Non-Slip Surfacing, Add	*29.04*	
	08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	517.68	13.37
			For Non-Slip Surfacing, Add	*58.91*	
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)* Note: Includes vinyl or pile seal.		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)* Note: Includes mill finish.		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
	08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	40.45	7.64
			For Color Anodized Finish, Add	*7.48*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	33.33	7.64
			For Color Anodized Finish, Add	*7.12*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	44.92	7.64
			For Color Anodized Finish, Add	*9.04*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	46.87	7.64
			For Color Anodized Finish, Add	*9.72*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
	08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	31.65	7.64
			For Color Anodized Finish, Add	*6.28*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	33.61	7.64
			For Color Anodized Finish, Add	*7.26*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*		
	08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	35.70	7.64
			For Color Anodized Finish, Add	*6.64*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	37.52	7.64
			For Color Anodized Finish, Add	*7.37*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	40.17	7.64
			For Color Anodized Finish, Add	*7.38*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	43.17	7.64
			For Color Anodized Finish, Add	*8.43*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
	08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	201.11	7.64
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	186.06	7.64
			For Thermoseal, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	270.30	7.64
		For Thermoseal, Add	*0.63*	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	241.12	7.64
		For Thermoseal, Add	*0.63*	
08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	197.80	7.64
		For Thermoseal, Add	*0.63*	
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	202.67	8.41
		For Thermoseal, Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	213.05	8.41
		For Thermoseal, Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	269.16	8.41
		For Thermoseal, Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	243.84	8.79
		For Thermoseal, Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)* Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	23.80	6.11
		For Color Anodized Finish, Add	*3.41*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	19.23	5.35
		For Color Anodized Finish, Add	*2.05*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	29.56	6.11
		For Color Anodized Finish, Add	*4.19*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	35.42	6.11
		For Color Anodized Finish, Add	*6.53*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	17.42	5.35
		For Color Anodized Finish, Add	*1.01*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	19.23	5.35
		For Color Anodized Finish, Add	*1.76*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	29.98	7.64
		For Color Anodized Finish, Add	*4.36*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	31.65	7.64
		For Color Anodized Finish, Add	*3.77*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	107.19	6.11
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	143.68	5.35
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	128.15	7.64
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	28.91	6.11
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	28.91	6.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	30.69	7.64
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	32.96	7.64
08 72 43 00-0158		Residential Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0159		Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	12.11	3.81
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	12.57	3.81
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	17.27	4.07
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	17.52	4.22
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	27.14	4.34
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	14.67	3.81
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	17.94	4.22
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	34.27	4.22
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	14.72	3.81
		For Color Anodized Finish, Add	*2.07*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	17.24	4.22
		For Color Anodized Finish, Add	*2.68*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	18.36	4.22
		For Color Anodized Finish, Add	*3.13*	
08 72 43 00-0173		Interlocking Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	33.61	4.34
		For Color Anodized Finish, Add	*6.83*	
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	22.03	4.07
		For Color Anodized Finish, Add	*3.56*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	19.89	4.22
		For Color Anodized Finish, Add	*4.68*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	23.27	4.34
		For Color Anodized Finish, Add	*3.73*	
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	25.51	4.34
		For Color Anodized Finish, Add	*7.33*	
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	150.00	4.34
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	112.08	4.22
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	153.76	4.34
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	221.75	4.46
08 72 43 00-0191		Residential Door Sills *(08 72 43 00-0001)*		
08 72 43 00-0192		Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	18.81	4.34
		For Color Anodized Finish, Add	*3.98*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	20.20	4.46
		For Color Anodized Finish, Add	*3.62*	
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	27.33	4.34
		For Color Anodized Finish, Add	*5.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	28.05	4.46
		For Color Anodized Finish, Add	*5.92*	

08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*

08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	27.69	4.22
		For Color Anodized Finish, Add	*6.00*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	28.00	4.34
		For Color Anodized Finish, Add	*4.29*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	29.23	4.46
		For Color Anodized Finish, Add	*4.52*	

08 72 43 00-0202 Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*

08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	11.13	3.81
		For Color Anodized Finish, Add	*2.44*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	12.25	3.81
		For Color Anodized Finish, Add	*2.31*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	13.36	3.81
		For Color Anodized Finish, Add	*1.43*	

08 72 43 00-0206 Stone Thresholds *(08 72 43 00-0001)*

08 72 43 00-0207 Marble Thresholds *(08 72 43 00-0206)*

08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	16.04	6.30
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	17.52	6.30
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	19.51	6.30
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	24.01	6.30
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	29.26	6.30

08 72 43 00-0213 Corian Thresholds *(08 72 43 00-0206)*

08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	53.23	6.34

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	3.02	
		For >50 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.18*	
		For >400, Deduct	*-0.27*	
		For Tinted Glass, Add	*0.76*	
		For Reflective Coated Glass, Add	*1.36*	
		For Low-E Coated Glass, Add	*0.76*	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	3.24	
		For >50 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.29*	
		For Tinted Glass, Add	*0.81*	
		For Reflective Coated Glass, Add	*1.46*	
		For Low-E Coated Glass, Add	*0.81*	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	3.93	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.35*	
		For Tinted Glass, Add	*0.98*	
		For Reflective Coated Glass, Add	*1.77*	
		For Low-E Coated Glass, Add	*0.98*	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	6.54	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Tinted Glass, Add	*1.64*	
		For Reflective Coated Glass, Add	*2.94*	
		For Low-E Coated Glass, Add	*1.64*	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	9.51	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For Low-E Coated Glass, Add	*2.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	10.45	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.94*	
		For Tinted Glass, Add	*2.61*	
		For Reflective Coated Glass, Add	*4.70*	
		For Low-E Coated Glass, Add	*2.61*	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	12.50	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.13*	
		For Tinted Glass, Add	*3.13*	
		For Reflective Coated Glass, Add	*5.63*	
		For Low-E Coated Glass, Add	*3.13*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	15.44	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.39*	
		For Tinted Glass, Add	*3.86*	
		For Reflective Coated Glass, Add	*6.95*	
		For Low-E Coated Glass, Add	*3.86*	

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	4.38	
		For >50 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.26*	
		For >400, Deduct	*-0.39*	
		For Tinted Glass, Add	*1.10*	
		For Reflective Coated Glass, Add	*1.97*	
		For Low-E Coated Glass, Add	*1.10*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	4.69	
		For >50 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.28*	
		For >400, Deduct	*-0.42*	
		For Tinted Glass, Add	*1.17*	
		For Reflective Coated Glass, Add	*2.11*	
		For Low-E Coated Glass, Add	*1.17*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	5.70	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Tinted Glass, Add	*1.43*	
		For Reflective Coated Glass, Add	*2.57*	
		For Low-E Coated Glass, Add	*1.43*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	9.49	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.85*	
		For Tinted Glass, Add	*2.37*	
		For Reflective Coated Glass, Add	*4.27*	
		For Low-E Coated Glass, Add	*2.37*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	13.79	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.24*	
		For Tinted Glass, Add	*3.45*	
		For Reflective Coated Glass, Add	*6.21*	
		For Low-E Coated Glass, Add	*3.45*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	15.15	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*6.82*	
		For Low-E Coated Glass, Add	*3.79*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	18.13	
		For >50 To 200, Deduct	*-0.54*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.63*	
		For Tinted Glass, Add	*4.53*	
		For Reflective Coated Glass, Add	*8.16*	
		For Low-E Coated Glass, Add	*4.53*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	22.39	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.34*	
		For >400, Deduct	*-2.02*	
		For Tinted Glass, Add	*5.60*	
		For Reflective Coated Glass, Add	*10.08*	
		For Low-E Coated Glass, Add	*5.60*	

08 81 23 13-0021 Patterned Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0022 Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	8.60	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0024		Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	5.22	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	5.22	
08 81 23 13-0027		Wired Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	13.52	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	13.52	
08 81 23 13-0031		Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	14.78	
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	6.84	
		For >50 To 200, Deduct	*-0.21*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.62*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	8.97	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	11.34	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.68*	
		For >400, Deduct	*-1.02*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	16.95	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.02*	
		For >400, Deduct	*-1.53*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	18.56	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	36.96	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	57.12	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	75.60	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	12.05	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.08*	
		For Tinted Glass, Add	*3.01*	
		For Reflective Coated Glass, Add	*5.42*	
		For Low-E Coated Glass, Add	*3.01*	
		For One Piece Heat Strengthened Glass, Add	*2.41*	
		For One Piece Fully Tempered Glass, Add	*2.41*	
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	15.04	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.90*	
		For >400, Deduct	*-1.35*	
		For Tinted Glass, Add	*3.76*	
		For Reflective Coated Glass, Add	*6.77*	
		For Low-E Coated Glass, Add	*3.76*	
		For One Piece Heat Strengthened Glass, Add	*3.01*	
		For One Piece Fully Tempered Glass, Add	*3.01*	
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	20.44	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.23*	
		For >400, Deduct	*-1.84*	
		For Tinted Glass, Add	*5.11*	
		For Reflective Coated Glass, Add	*9.20*	
		For Low-E Coated Glass, Add	*5.11*	
		For One Piece Heat Strengthened Glass, Add	*4.09*	
		For One Piece Fully Tempered Glass, Add	*4.09*	
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 3/16" air space.	7.98	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.72*	
		For Tinted Glass, Add	*2.00*	
		For Reflective Coated Glass, Add	*3.59*	
		For Low-E Coated Glass, Add	*2.00*	
		For One Piece Heat Strengthened Glass, Add	*1.60*	
		For One Piece Fully Tempered Glass, Add	*1.60*	
		For One Piece Obscure Glass, Add	*3.39*	
		For Argon Gas, Add	*1.10*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	8.72	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/16" air space.	8.74	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
		For One Piece Heat Strengthened Glass, Add	*1.75*	
		For One Piece Fully Tempered Glass, Add	*1.75*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	8.22	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.74*	
		For Tinted Glass, Add	*2.06*	
		For Reflective Coated Glass, Add	*3.70*	
		For Low-E Coated Glass, Add	*2.06*	
		For One Piece Heat Strengthened Glass, Add	*1.64*	
		For One Piece Fully Tempered Glass, Add	*1.64*	
		For One Piece Obscure Glass, Add	*3.49*	
		For Argon Gas, Add	*1.13*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	8.72	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	8.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	8.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	9.24	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	8.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space.	9.24	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	10.25	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 13-0066		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0067	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	9.24	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 13-0068	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	10.25	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	10.25	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 13-0070	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	11.21	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
		For One Piece Heat Strengthened Glass, Add	*2.24*	
		For One Piece Fully Tempered Glass, Add	*2.24*	
		For One Piece Obscure Glass, Add	*4.76*	
		For Argon Gas, Add	*1.54*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

08 81 23 23-0001 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	12.25	
		For >50 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.26*	
		For >400, Deduct	*-0.39*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.87*	
		For Tinted Glass, Add	*1.10*	
		For Reflective Coated Glass, Add	*1.97*	
		For Low-E Coated Glass, Add	*1.10*	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	13.17	
		For >50 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.28*	
		For >400, Deduct	*-0.42*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.48*	
		For Tinted Glass, Add	*1.17*	
		For Reflective Coated Glass, Add	*2.11*	
		For Low-E Coated Glass, Add	*1.17*	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	14.78	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
		For Tinted Glass, Add	*1.43*	
		For Reflective Coated Glass, Add	*2.57*	
		For Low-E Coated Glass, Add	*1.43*	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	19.78	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.29*	
		For Tinted Glass, Add	*2.37*	
		For Reflective Coated Glass, Add	*4.27*	
		For Low-E Coated Glass, Add	*2.37*	
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	25.29	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.24*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.50*	
		For Tinted Glass, Add	*3.45*	
		For Reflective Coated Glass, Add	*6.21*	
		For Low-E Coated Glass, Add	*3.45*	
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	27.86	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.71*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*6.82*	
		For Low-E Coated Glass, Add	*3.79*	
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	33.87	
		For >50 To 200, Deduct	*-0.54*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.74*	
		For Tinted Glass, Add	*4.53*	
		For Reflective Coated Glass, Add	*8.16*	
		For Low-E Coated Glass, Add	*4.53*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0010	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	41.15	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.34*	
		For >400, Deduct	*-2.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.76*	
		For Tinted Glass, Add	*5.60*	
		For Reflective Coated Glass, Add	*10.08*	
		For Low-E Coated Glass, Add	*5.60*	

08 81 23 23-0011 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Clear Float Field Installed Glass	10.89	
		For >50 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.18*	
		For >400, Deduct	*-0.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.87*	
		For Tinted Glass, Add	*0.76*	
		For Reflective Coated Glass, Add	*1.36*	
		For Low-E Coated Glass, Add	*0.76*	
08 81 23 23-0014	SF	3/16" Thick, Clear Float Field Installed Glass	11.72	
		For >50 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.29*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.48*	
		For Tinted Glass, Add	*0.81*	
		For Reflective Coated Glass, Add	*1.46*	
		For Low-E Coated Glass, Add	*0.81*	
08 81 23 23-0015	SF	1/4" Thick, Clear Float Field Installed Glass	13.01	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
		For Tinted Glass, Add	*0.98*	
		For Reflective Coated Glass, Add	*1.77*	
		For Low-E Coated Glass, Add	*0.98*	
08 81 23 23-0016	SF	5/16" Thick, Clear Float Field Installed Glass	16.83	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.29*	
		For Tinted Glass, Add	*1.64*	
		For Reflective Coated Glass, Add	*2.94*	
		For Low-E Coated Glass, Add	*1.64*	
08 81 23 23-0017	SF	3/8" Thick, Clear Float Field Installed Glass	21.01	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.50*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For Low-E Coated Glass, Add	*2.38*	
08 81 23 23-0018	SF	1/2" Thick, Clear Float Field Installed Glass	23.16	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.71*	
		For Tinted Glass, Add	*2.61*	
		For Reflective Coated Glass, Add	*4.70*	
		For Low-E Coated Glass, Add	*2.61*	
08 81 23 23-0019	SF	5/8" Thick, Clear Float Field Installed Glass	28.24	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.13*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.74*	
		For Tinted Glass, Add	*3.13*	
		For Reflective Coated Glass, Add	*5.63*	
		For Low-E Coated Glass, Add	*3.13*	
08 81 23 23-0020	SF	3/4" Thick, Clear Float Field Installed Glass	34.20	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.39*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.76*	
		For Tinted Glass, Add	*3.86*	
		For Reflective Coated Glass, Add	*6.95*	
		For Low-E Coated Glass, Add	*3.86*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	17.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	13.09	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.87*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	14.00	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.78*	
08 81 23 23-0027		**Wired Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0028		**Square Or Diamond Pattern, Wired Field Installed Glass** *(08 81 23 23-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	22.60	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	22.60	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0031		**Polished, Wired Field Installed Glass** *(08 81 23 23-0027)*		
08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	23.86	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0033		**Frosted Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0034		**Frosted Field Installed Glass** *(08 81 23 23-0033)*		
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	14.71	
		For >50 To 200, Deduct	*-0.21*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.87*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	17.45	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.48*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	20.42	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.68*	
		For >400, Deduct	*-1.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	28.45	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.02*	
		For >400, Deduct	*-1.53*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.50*	
08 81 23 23-0039		**Fire Rated Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0040		**Fire Rated Field Installed Glass** *(08 81 23 23-0039)*		
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	27.64	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	46.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	66.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	84.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
08 81 23 23-0045		**Laminated Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0046		**Laminated Glass With PVB Interlayer, Field Installed Glass** *(08 81 23 23-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	21.13	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.08*	
		For Tinted Glass, Add	*3.01*	
		For Reflective Coated Glass, Add	*5.42*	
		For Low-E Coated Glass, Add	*3.01*	
		For One Piece Heat Strengthened Glass, Add	*2.41*	
		For One Piece Fully Tempered Glass, Add	*2.41*	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	26.54	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.90*	
		For >400, Deduct	*-1.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.50*	
		For Tinted Glass, Add	*3.76*	
		For Reflective Coated Glass, Add	*6.77*	
		For Low-E Coated Glass, Add	*3.76*	
		For One Piece Heat Strengthened Glass, Add	*3.01*	
		For One Piece Fully Tempered Glass, Add	*3.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	33.15	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.23*	
		For >400, Deduct	*-1.84*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.71*	
		For Tinted Glass, Add	*5.11*	
		For Reflective Coated Glass, Add	*9.20*	
		For Low-E Coated Glass, Add	*5.11*	
		For One Piece Heat Strengthened Glass, Add	*4.09*	
		For One Piece Fully Tempered Glass, Add	*4.09*	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	36.00	
		For >50 To 200, Deduct	*-0.69*	
		For >200 To 400, Deduct	*-1.38*	
		For >400, Deduct	*-2.07*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.01*	
		For Tinted Glass, Add	*5.75*	
		For Reflective Coated Glass, Add	*10.35*	
		For Low-E Coated Glass, Add	*5.75*	
		For One Piece Heat Strengthened Glass, Add	*4.60*	
		For One Piece Fully Tempered Glass, Add	*4.60*	

08 81 23 23-0051 Insulated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0052 Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*
Note: Type I, Class I, Quality Q3.

08 81 23 23-0053 3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*
Note: Type I, Class I, Quality Q3.

08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 3/16" air space.	18.15	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.17*	
		For Tinted Glass, Add	*2.00*	
		For Reflective Coated Glass, Add	*3.59*	
		For Low-E Coated Glass, Add	*2.00*	
		For One Piece Heat Strengthened Glass, Add	*1.60*	
		For One Piece Fully Tempered Glass, Add	*1.60*	
		For One Piece Obscure Glass, Add	*3.39*	
		For Argon Gas, Add	*1.10*	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	19.31	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.59*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/16" air space.	19.51	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.77*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
		For One Piece Heat Strengthened Glass, Add	*1.75*	
		For One Piece Fully Tempered Glass, Add	*1.75*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	

08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*
Note: Type I, Class I, Quality Q3.

08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 1/4" air space.	18.57	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.35*	
		For Tinted Glass, Add	*2.06*	
		For Reflective Coated Glass, Add	*3.70*	
		For Low-E Coated Glass, Add	*2.06*	
		For One Piece Heat Strengthened Glass, Add	*1.64*	
		For One Piece Fully Tempered Glass, Add	*1.64*	
		For One Piece Obscure Glass, Add	*3.49*	
		For Argon Gas, Add	*1.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/4" air space.	19.31	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.59*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/4" air space.	20.12	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.30*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	20.12	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.30*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	21.57	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.33*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	

08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 3/8" air space.	20.12	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.30*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/8" air space.	21.57	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.33*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 3/8" air space.	22.84	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.59*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 23-0067		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0068	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/2" air space.	21.57	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.33*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 23-0069	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/2" air space.	22.84	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.59*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	22.84	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.59*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 23-0071	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	23.92	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.71*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
		For One Piece Heat Strengthened Glass, Add	*2.24*	
		For One Piece Fully Tempered Glass, Add	*2.24*	
		For One Piece Obscure Glass, Add	*4.76*	
		For Argon Gas, Add	*1.54*	
08 81 23 23-0072		Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
08 81 23 23-0073	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.	61.46	
		For >50 To 200, Deduct	*-1.34*	
		For >200 To 400, Deduct	*-2.69*	
		For >400, Deduct	*-4.03*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.64*	
		For Tinted Glass, Add	*11.21*	
		For Reflective Coated Glass, Add	*20.17*	
		For Low-E Coated Glass, Add	*11.21*	
		For Argon Gas, Add	*6.16*	
08 81 23 23-0074		Spandrel Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0075		Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0074)*		
08 81 23 23-0076	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	19.83	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0077	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	17.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	

08 81 23 23-0078 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0074)*

08 81 23 23-0079 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0078)*

Note: Also with aluminum foil vapor barrier.

08 81 23 23-0080	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	22.01	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	
08 81 23 23-0081	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	19.64	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	

08 81 23 23-0082 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0078)*

08 81 23 23-0083	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	26.12	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	
08 81 23 23-0084	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	21.47	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	36.19	4.53
		For >50 To 200, Deduct	*-0.82*	
		For >200 To 400, Deduct	*-1.36*	
		For >400, Deduct	*-2.18*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	48.69	4.53
		For >50 To 200, Deduct	*-1.19*	
		For >200 To 400, Deduct	*-1.99*	
		For >400, Deduct	*-3.18*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	13.31	3.63
		For >50 To 200, Deduct	*-0.18*	
		For >200 To 400, Deduct	*-0.30*	
		For >400, Deduct	*-0.48*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	15.67	4.23
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.37*	
		For >400, Deduct	*-0.59*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	17.13	4.53
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.65*	

08 83 13 00-0010 Tempered, Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	20.23	3.63
		For >50 To 200, Deduct	*-0.39*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-1.04*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	23.00	4.23
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.73*	
		For >400, Deduct	*-1.17*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	25.30	4.53
		For >50 To 200, Deduct	*-0.49*	
		For >200 To 400, Deduct	*-0.82*	
		For >400, Deduct	*-1.31*	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	22.95	4.53
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.70*	
		For >400, Deduct	*-1.12*	

08 83 13 00-0016 Laminated Safety Mirror Glass *(08 83 13 00-0001)*

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	44.73	4.53
		For >50 To 200, Deduct	*-1.07*	
		For >200 To 400, Deduct	*-1.79*	
		For >400, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 83 13 00-0018 Accessories For Mirror Glass *(08 83 13)*

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	3.42	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	3.50	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	4.59	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	6.12	

08 83 13 00-0023 Removal And Reinstallation Of Mirror Glass *(08 83 13)*

Note: Including storage, cleaning and supply materials.

08 83 13 00-0024	SF	Removal And Reinstallation Of Mirror Unframed	11.48	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.35*	

08 84 Plastic Glazing *(08 80)*

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	12.25	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.71*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	12.93	
		For >50 To 200, Deduct	*-0.35*	
		For >200 To 400, Deduct	*-0.70*	
		For >400, Deduct	*-1.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.93*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	15.66	
		For >50 To 200, Deduct	*-0.47*	
		For >200 To 400, Deduct	*-0.95*	
		For >400, Deduct	*-1.42*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.17*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	23.39	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.35*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	29.96	
		For >50 To 200, Deduct	*-1.16*	
		For >200 To 400, Deduct	*-2.32*	
		For >400, Deduct	*-3.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.81*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	19.15	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.34*	
		For >400, Deduct	*-2.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.71*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	22.46	
		For >50 To 200, Deduct	*-0.83*	
		For >200 To 400, Deduct	*-1.65*	
		For >400, Deduct	*-2.48*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.93*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	23.76	
		For >50 To 200, Deduct	*-0.88*	
		For >200 To 400, Deduct	*-1.76*	
		For >400, Deduct	*-2.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.17*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	40.33	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.40*	
		For >400, Deduct	*-5.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.35*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	42.83	
		For >50 To 200, Deduct	*-1.80*	
		For >200 To 400, Deduct	*-3.60*	
		For >400, Deduct	*-5.40*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.81*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	9.07	
		For >50 To 200, Deduct	*-0.18*	
		For >200 To 400, Deduct	*-0.36*	
		For >400, Deduct	*-0.54*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.45*	
		For Colored, Add	*0.72*	
		For Shatterproof, Add	*2.17*	
		For Mirrored, Add	*2.90*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	9.38	
		For >50 To 200, Deduct	*-0.18*	
		For >200 To 400, Deduct	*-0.37*	
		For >400, Deduct	*-0.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.71*	
		For Colored, Add	*0.73*	
		For Shatterproof, Add	*2.20*	
		For Mirrored, Add	*2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	11.65	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.93*	
		For Colored, Add	*1.14*	
		For Shatterproof, Add	*3.43*	
		For Mirrored, Add	*4.58*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	13.71	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.13*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.17*	
		For Colored, Add	*1.51*	
		For Shatterproof, Add	*4.52*	
		For Mirrored, Add	*6.03*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	14.10	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.79*	
		For >400, Deduct	*-1.19*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.20*	
		For Colored, Add	*1.58*	
		For Shatterproof, Add	*4.74*	
		For Mirrored, Add	*6.32*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	14.61	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.24*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.35*	
		For Colored, Add	*1.65*	
		For Shatterproof, Add	*4.96*	
		For Mirrored, Add	*6.61*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	17.73	
		For >50 To 200, Deduct	*-0.55*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.81*	
		For Colored, Add	*2.18*	
		For Shatterproof, Add	*6.55*	
		For Mirrored, Add	*8.74*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	25.63	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.62*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	35.52	
		For >50 To 200, Deduct	*-1.31*	
		For >200 To 400, Deduct	*-2.62*	
		For >400, Deduct	*-3.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.36*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Solar Control Window Films *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	9.29
08 87 13 00-0003	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	9.65

08 87 23 Safety And Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	9.46
		For >1,000 To 5,000, Deduct	*-0.43*
		For >5,000, Deduct	*-0.63*
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	10.14
		For >1,000 To 5,000, Deduct	*-0.45*
		For >5,000, Deduct	*-0.70*
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	11.09
		For >1,000 To 5,000, Deduct	*-0.49*
		For >5,000, Deduct	*-0.79*

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	10.90
		For >1,000 To 5,000, Deduct	*-0.48*
		For >5,000, Deduct	*-0.77*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	10.90	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.77*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	10.90	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.77*	

08 87 23 16-0010 Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	8.70	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.55*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	8.89	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.57*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	10.61	
		For >1,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.75*	

08 87 23 16-0014 Anti-Graffiti Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	8.70	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.55*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	8.89	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.57*	

08 88 Special Function Glazing *(08 80)*

08 88 49 Radiation-Resistant Glazing *(08 88)*

08 88 49 00-0001 Leaded Glass (X-Ray Shielding) *(08 88 49)*

08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	209.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.50*	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	312.76	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.50*	

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate *(08 88 53)*

08 88 53 00-0002 Ballistic Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF	89.04	15.13
		For Glass Removal And Preparing Opening For New Glazing, Add	*37.52*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF	106.49	15.13
		For Glass Removal And Preparing Opening For New Glazing, Add	*37.52*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF	120.84	16.94
		For Glass Removal And Preparing Opening For New Glazing, Add	*42.37*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF	135.42	16.94
		For Glass Removal And Preparing Opening For New Glazing, Add	*42.37*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF	153.83	19.37
		For Glass Removal And Preparing Opening For New Glazing, Add	*48.41*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF	165.55	19.37
		For Glass Removal And Preparing Opening For New Glazing, Add	*48.41*	

08 88 53 00-0009 Forced Entry Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	30.87	4.53
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.46*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	35.11	4.85
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.08*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	40.13	5.15
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.80*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	45.37	5.75
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.64*	

08 88 53 00-0014 Glass Clad Polycarbonate *(08 88 53)*

08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF	132.89	18.16
		For Glass Removal And Preparing Opening For New Glazing, Add	*46.00*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF	148.05	21.31
		For Glass Removal And Preparing Opening For New Glazing, Add	*53.26*	
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF	191.42	24.21
		For Glass Removal And Preparing Opening For New Glazing, Add	*60.52*	

08 88 53 00-0018 Ballistic Resistant Acrylic *(08 88 53)*

08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF	237.84	18.16
		For Glass Removal And Preparing Opening For New Glazing, Add	*46.00*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF	278.95	21.19
		For Glass Removal And Preparing Opening For New Glazing, Add	*53.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF	376.49	24.21
		For Glass Removal And Preparing Opening For New Glazing, Add	*60.52*	

08 88 53 00-0022 Ballistic Resistant Fiberglass *(08 88 53)*

08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	55.05	11.50
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.00*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	65.29	13.31
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.63*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	74.04	15.13
		For Glass Removal And Preparing Opening For New Glazing, Add	*30.26*	

08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate *(08 88 53)*

08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate *(08 88 53 00-0026)*

Note: GE-Lexan MR10.

08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	67.56	27.48
		For Glass Removal And Preparing Opening For New Glazing, Add	*36.68*	

08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.

08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	83.53	18.16
		For Glass Removal And Preparing Opening For New Glazing, Add	*45.40*	

08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

Note: GE-Lexgard MPC-500.

08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	103.45	34.85
		For Glass Removal And Preparing Opening For New Glazing, Add	*48.41*	

08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.

08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	113.55	21.51
		For Glass Removal And Preparing Opening For New Glazing, Add	*51.44*	

08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.

08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	97.16	18.16
		For Glass Removal And Preparing Opening For New Glazing, Add	*45.40*	

08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	224.61	40.43
		For Glass Removal And Preparing Opening For New Glazing, Add	*100.47*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	227.55	40.43
		For Glass Removal And Preparing Opening For New Glazing, Add	*100.47*	

08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.

08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	149.40	25.62
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.79*	

08 90 Louvers And Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001 Motorized Wall Louver Actuator *(08 91 13)*

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,177.72	63.12
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	1,816.31	63.12
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	1,268.75	63.12
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	5,017.06	63.12

08 91 16 Operable Wall Louvers *(08 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0001		**Adjustable Intake Wall Louvers** *(08 91 16)* See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	325.69	16.70
		For Flange Frame, Add	*29.23*	
		For Clear Lacquer Finish, Add	*58.45*	
		For Baked Enamel Standard Colors, Add	*87.68*	
		For Anodized Finish, Add	*116.91*	
		For Kynar® Standard Colors Finish, Add	*160.75*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	407.07	20.42
		For Flange Frame, Add	*36.62*	
		For Clear Lacquer Finish, Add	*73.25*	
		For Baked Enamel Standard Colors, Add	*109.87*	
		For Anodized Finish, Add	*146.49*	
		For Kynar® Standard Colors Finish, Add	*201.43*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	481.34	24.13
		For Flange Frame, Add	*43.31*	
		For Clear Lacquer Finish, Add	*86.61*	
		For Baked Enamel Standard Colors, Add	*129.92*	
		For Anodized Finish, Add	*173.23*	
		For Kynar® Standard Colors Finish, Add	*238.19*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	563.43	27.85
		For Flange Frame, Add	*50.77*	
		For Clear Lacquer Finish, Add	*101.55*	
		For Baked Enamel Standard Colors, Add	*152.32*	
		For Anodized Finish, Add	*203.10*	
		For Kynar® Standard Colors Finish, Add	*279.26*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	634.86	31.56
		For Flange Frame, Add	*57.17*	
		For Clear Lacquer Finish, Add	*114.35*	
		For Baked Enamel Standard Colors, Add	*171.52*	
		For Anodized Finish, Add	*228.70*	
		For Kynar® Standard Colors Finish, Add	*314.46*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	749.66	35.27
		For Flange Frame, Add	*67.91*	
		For Clear Lacquer Finish, Add	*135.82*	
		For Baked Enamel Standard Colors, Add	*203.74*	
		For Anodized Finish, Add	*271.65*	
		For Kynar® Standard Colors Finish, Add	*373.52*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	854.51	38.99
		For Flange Frame, Add	*77.65*	
		For Clear Lacquer Finish, Add	*155.31*	
		For Baked Enamel Standard Colors, Add	*232.96*	
		For Anodized Finish, Add	*310.62*	
		For Kynar® Standard Colors Finish, Add	*427.10*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	948.85	44.55
		For Flange Frame, Add	*85.97*	
		For Clear Lacquer Finish, Add	*171.95*	
		For Baked Enamel Standard Colors, Add	*257.92*	
		For Anodized Finish, Add	*343.90*	
		For Kynar® Standard Colors Finish, Add	*472.86*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,012.45	48.27
		For Flange Frame, Add	*91.59*	
		For Clear Lacquer Finish, Add	*183.18*	
		For Baked Enamel Standard Colors, Add	*274.78*	
		For Anodized Finish, Add	*366.37*	
		For Kynar® Standard Colors Finish, Add	*503.76*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,092.42	51.97
		For Flange Frame, Add	*98.85*	
		For Clear Lacquer Finish, Add	*197.69*	
		For Baked Enamel Standard Colors, Add	*296.54*	
		For Anodized Finish, Add	*395.38*	
		For Kynar® Standard Colors Finish, Add	*543.65*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,162.42	55.69
		For Flange Frame, Add	*105.10*	
		For Clear Lacquer Finish, Add	*210.21*	
		For Baked Enamel Standard Colors, Add	*315.31*	
		For Anodized Finish, Add	*420.42*	
		For Kynar® Standard Colors Finish, Add	*578.07*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,252.34	59.41
		For Flange Frame, Add	*113.35*	
		For Clear Lacquer Finish, Add	*226.71*	
		For Baked Enamel Standard Colors, Add	*340.06*	
		For Anodized Finish, Add	*453.41*	
		For Kynar® Standard Colors Finish, Add	*623.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,338.69	63.12
		For Flange Frame, Add	*121.25*	
		For Clear Lacquer Finish, Add	*242.49*	
		For Baked Enamel Standard Colors, Add	*363.74*	
		For Anodized Finish, Add	*484.98*	
		For Kynar® Standard Colors Finish, Add	*666.85*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,445.83	68.69
		For Flange Frame, Add	*130.85*	
		For Clear Lacquer Finish, Add	*261.69*	
		For Baked Enamel Standard Colors, Add	*392.54*	
		For Anodized Finish, Add	*523.38*	
		For Kynar® Standard Colors Finish, Add	*719.65*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,524.53	74.26
		For Flange Frame, Add	*137.60*	
		For Clear Lacquer Finish, Add	*275.20*	
		For Baked Enamel Standard Colors, Add	*412.81*	
		For Anodized Finish, Add	*550.41*	
		For Kynar® Standard Colors Finish, Add	*756.81*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	365.11	20.42
		For Flange Frame, Add	*32.43*	
		For Clear Lacquer Finish, Add	*64.85*	
		For Baked Enamel Standard Colors, Add	*97.28*	
		For Anodized Finish, Add	*129.71*	
		For Kynar® Standard Colors Finish, Add	*178.35*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	460.86	25.99
		For Flange Frame, Add	*40.89*	
		For Clear Lacquer Finish, Add	*81.78*	
		For Baked Enamel Standard Colors, Add	*122.67*	
		For Anodized Finish, Add	*163.56*	
		For Kynar® Standard Colors Finish, Add	*224.89*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	540.84	29.70
		For Flange Frame, Add	*48.14*	
		For Clear Lacquer Finish, Add	*96.29*	
		For Baked Enamel Standard Colors, Add	*144.43*	
		For Anodized Finish, Add	*192.57*	
		For Kynar® Standard Colors Finish, Add	*264.79*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	673.02	37.12
		For Flange Frame, Add	*59.88*	
		For Clear Lacquer Finish, Add	*119.75*	
		For Baked Enamel Standard Colors, Add	*179.63*	
		For Anodized Finish, Add	*239.50*	
		For Kynar® Standard Colors Finish, Add	*329.32*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	765.78	40.84
		For Flange Frame, Add	*68.41*	
		For Clear Lacquer Finish, Add	*136.82*	
		For Baked Enamel Standard Colors, Add	*205.23*	
		For Anodized Finish, Add	*273.64*	
		For Kynar® Standard Colors Finish, Add	*376.26*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	858.54	44.55
		For Flange Frame, Add	*76.94*	
		For Clear Lacquer Finish, Add	*153.89*	
		For Baked Enamel Standard Colors, Add	*230.83*	
		For Anodized Finish, Add	*307.77*	
		For Kynar® Standard Colors Finish, Add	*423.19*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	969.79	48.27
		For Flange Frame, Add	*87.33*	
		For Clear Lacquer Finish, Add	*174.65*	
		For Baked Enamel Standard Colors, Add	*261.98*	
		For Anodized Finish, Add	*349.30*	
		For Kynar® Standard Colors Finish, Add	*480.29*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,075.50	53.84
		For Flange Frame, Add	*96.78*	
		For Clear Lacquer Finish, Add	*193.57*	
		For Baked Enamel Standard Colors, Add	*290.35*	
		For Anodized Finish, Add	*387.13*	
		For Kynar® Standard Colors Finish, Add	*532.31*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,159.89	59.41
		For Flange Frame, Add	*104.11*	
		For Clear Lacquer Finish, Add	*208.22*	
		For Baked Enamel Standard Colors, Add	*312.32*	
		For Anodized Finish, Add	*416.43*	
		For Kynar® Standard Colors Finish, Add	*572.59*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,241.27	63.12
		For Flange Frame, Add	*111.50*	
		For Clear Lacquer Finish, Add	*223.01*	
		For Baked Enamel Standard Colors, Add	*334.51*	
		For Anodized Finish, Add	*446.02*	
		For Kynar® Standard Colors Finish, Add	*613.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,317.67	66.83
		For Flange Frame, Add	*118.40*	
		For Clear Lacquer Finish, Add	*236.80*	
		For Baked Enamel Standard Colors, Add	*355.20*	
		For Anodized Finish, Add	*473.60*	
		For Kynar® Standard Colors Finish, Add	*651.21*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,416.83	70.54
		For Flange Frame, Add	*127.58*	
		For Clear Lacquer Finish, Add	*255.15*	
		For Baked Enamel Standard Colors, Add	*382.73*	
		For Anodized Finish, Add	*510.30*	
		For Kynar® Standard Colors Finish, Add	*701.66*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,512.44	74.26
		For Flange Frame, Add	*136.39*	
		For Clear Lacquer Finish, Add	*272.79*	
		For Baked Enamel Standard Colors, Add	*409.18*	
		For Anodized Finish, Add	*545.57*	
		For Kynar® Standard Colors Finish, Add	*750.16*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,628.82	79.82
		For Flange Frame, Add	*146.92*	
		For Clear Lacquer Finish, Add	*293.83*	
		For Baked Enamel Standard Colors, Add	*440.75*	
		For Anodized Finish, Add	*587.67*	
		For Kynar® Standard Colors Finish, Add	*808.04*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,716.75	85.39
		For Flange Frame, Add	*154.60*	
		For Clear Lacquer Finish, Add	*309.19*	
		For Baked Enamel Standard Colors, Add	*463.79*	
		For Anodized Finish, Add	*618.39*	
		For Kynar® Standard Colors Finish, Add	*850.28*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	408.10	24.13
		For Flange Frame, Add	*35.98*	
		For Clear Lacquer Finish, Add	*71.97*	
		For Baked Enamel Standard Colors, Add	*107.95*	
		For Anodized Finish, Add	*143.93*	
		For Kynar® Standard Colors Finish, Add	*197.91*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	518.08	29.70
		For Flange Frame, Add	*45.87*	
		For Clear Lacquer Finish, Add	*91.73*	
		For Baked Enamel Standard Colors, Add	*137.60*	
		For Anodized Finish, Add	*183.47*	
		For Kynar® Standard Colors Finish, Add	*252.27*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	642.28	35.27
		For Flange Frame, Add	*57.17*	
		For Clear Lacquer Finish, Add	*114.35*	
		For Baked Enamel Standard Colors, Add	*171.52*	
		For Anodized Finish, Add	*228.70*	
		For Kynar® Standard Colors Finish, Add	*314.46*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	757.40	42.70
		For Flange Frame, Add	*67.20*	
		For Clear Lacquer Finish, Add	*134.40*	
		For Baked Enamel Standard Colors, Add	*201.60*	
		For Anodized Finish, Add	*268.80*	
		For Kynar® Standard Colors Finish, Add	*369.61*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	859.41	46.41
		For Flange Frame, Add	*76.66*	
		For Clear Lacquer Finish, Add	*153.32*	
		For Baked Enamel Standard Colors, Add	*229.98*	
		For Anodized Finish, Add	*306.64*	
		For Kynar® Standard Colors Finish, Add	*421.62*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	967.10	50.12
		For Flange Frame, Add	*86.69*	
		For Clear Lacquer Finish, Add	*173.37*	
		For Baked Enamel Standard Colors, Add	*260.06*	
		For Anodized Finish, Add	*346.74*	
		For Kynar® Standard Colors Finish, Add	*476.77*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,099.84	55.69
		For Flange Frame, Add	*98.85*	
		For Clear Lacquer Finish, Add	*197.69*	
		For Baked Enamel Standard Colors, Add	*296.54*	
		For Anodized Finish, Add	*395.38*	
		For Kynar® Standard Colors Finish, Add	*543.65*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,211.40	63.12
		For Flange Frame, Add	*108.52*	
		For Clear Lacquer Finish, Add	*217.03*	
		For Baked Enamel Standard Colors, Add	*325.55*	
		For Anodized Finish, Add	*434.07*	
		For Kynar® Standard Colors Finish, Add	*596.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,298.47	66.83
		For Flange Frame, Add	*116.48*	
		For Clear Lacquer Finish, Add	*232.96*	
		For Baked Enamel Standard Colors, Add	*349.44*	
		For Anodized Finish, Add	*465.92*	
		For Kynar® Standard Colors Finish, Add	*640.65*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,392.97	74.26
		For Flange Frame, Add	*124.45*	
		For Clear Lacquer Finish, Add	*248.89*	
		For Baked Enamel Standard Colors, Add	*373.34*	
		For Anodized Finish, Add	*497.78*	
		For Kynar® Standard Colors Finish, Add	*684.45*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,481.46	77.97
		For Flange Frame, Add	*132.55*	
		For Clear Lacquer Finish, Add	*265.11*	
		For Baked Enamel Standard Colors, Add	*397.66*	
		For Anodized Finish, Add	*530.21*	
		For Kynar® Standard Colors Finish, Add	*729.04*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,601.96	81.68
		For Flange Frame, Add	*143.86*	
		For Clear Lacquer Finish, Add	*287.72*	
		For Baked Enamel Standard Colors, Add	*431.58*	
		For Anodized Finish, Add	*575.44*	
		For Kynar® Standard Colors Finish, Add	*791.23*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,703.95	85.39
		For Flange Frame, Add	*153.32*	
		For Clear Lacquer Finish, Add	*306.63*	
		For Baked Enamel Standard Colors, Add	*459.95*	
		For Anodized Finish, Add	*613.27*	
		For Kynar® Standard Colors Finish, Add	*843.24*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,832.43	90.96
		For Flange Frame, Add	*165.05*	
		For Clear Lacquer Finish, Add	*330.10*	
		For Baked Enamel Standard Colors, Add	*495.15*	
		For Anodized Finish, Add	*660.20*	
		For Kynar® Standard Colors Finish, Add	*907.78*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,926.78	96.53
		For Flange Frame, Add	*173.37*	
		For Clear Lacquer Finish, Add	*346.74*	
		For Baked Enamel Standard Colors, Add	*520.11*	
		For Anodized Finish, Add	*693.48*	
		For Kynar® Standard Colors Finish, Add	*953.54*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	454.63	27.85
		For Flange Frame, Add	*39.89*	
		For Clear Lacquer Finish, Add	*79.79*	
		For Baked Enamel Standard Colors, Add	*119.68*	
		For Anodized Finish, Add	*159.58*	
		For Kynar® Standard Colors Finish, Add	*219.42*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	605.47	37.12
		For Flange Frame, Add	*53.12*	
		For Clear Lacquer Finish, Add	*106.24*	
		For Baked Enamel Standard Colors, Add	*159.36*	
		For Anodized Finish, Add	*212.48*	
		For Kynar® Standard Colors Finish, Add	*292.17*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	719.00	42.70
		For Flange Frame, Add	*63.36*	
		For Clear Lacquer Finish, Add	*126.72*	
		For Baked Enamel Standard Colors, Add	*190.08*	
		For Anodized Finish, Add	*253.44*	
		For Kynar® Standard Colors Finish, Add	*348.49*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	843.21	48.27
		For Flange Frame, Add	*74.67*	
		For Clear Lacquer Finish, Add	*149.34*	
		For Baked Enamel Standard Colors, Add	*224.00*	
		For Anodized Finish, Add	*298.67*	
		For Kynar® Standard Colors Finish, Add	*410.67*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	954.46	51.97
		For Flange Frame, Add	*85.05*	
		For Clear Lacquer Finish, Add	*170.10*	
		For Baked Enamel Standard Colors, Add	*255.15*	
		For Anodized Finish, Add	*340.20*	
		For Kynar® Standard Colors Finish, Add	*467.78*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,069.41	57.54
		For Flange Frame, Add	*95.43*	
		For Clear Lacquer Finish, Add	*190.86*	
		For Baked Enamel Standard Colors, Add	*286.30*	
		For Anodized Finish, Add	*381.73*	
		For Kynar® Standard Colors Finish, Add	*524.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,207.69	61.26
		For Flange Frame, Add	*108.52*	
		For Clear Lacquer Finish, Add	*217.03*	
		For Baked Enamel Standard Colors, Add	*325.55*	
		For Anodized Finish, Add	*434.07*	
		For Kynar® Standard Colors Finish, Add	*596.84*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,325.50	66.83
		For Flange Frame, Add	*119.18*	
		For Clear Lacquer Finish, Add	*238.37*	
		For Baked Enamel Standard Colors, Add	*357.55*	
		For Anodized Finish, Add	*476.74*	
		For Kynar® Standard Colors Finish, Add	*655.51*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,422.52	70.54
		For Flange Frame, Add	*128.14*	
		For Clear Lacquer Finish, Add	*256.29*	
		For Baked Enamel Standard Colors, Add	*384.43*	
		For Anodized Finish, Add	*512.58*	
		For Kynar® Standard Colors Finish, Add	*704.79*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,528.39	77.97
		For Flange Frame, Add	*137.25*	
		For Clear Lacquer Finish, Add	*274.49*	
		For Baked Enamel Standard Colors, Add	*411.74*	
		For Anodized Finish, Add	*548.98*	
		For Kynar® Standard Colors Finish, Add	*754.85*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,629.84	83.54
		For Flange Frame, Add	*146.28*	
		For Clear Lacquer Finish, Add	*292.55*	
		For Baked Enamel Standard Colors, Add	*438.83*	
		For Anodized Finish, Add	*585.11*	
		For Kynar® Standard Colors Finish, Add	*804.52*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,758.16	87.25
		For Flange Frame, Add	*158.37*	
		For Clear Lacquer Finish, Add	*316.73*	
		For Baked Enamel Standard Colors, Add	*475.10*	
		For Anodized Finish, Add	*633.46*	
		For Kynar® Standard Colors Finish, Add	*871.01*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,869.41	90.96
		For Flange Frame, Add	*168.75*	
		For Clear Lacquer Finish, Add	*337.50*	
		For Baked Enamel Standard Colors, Add	*506.25*	
		For Anodized Finish, Add	*675.00*	
		For Kynar® Standard Colors Finish, Add	*928.12*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,004.29	96.53
		For Flange Frame, Add	*181.12*	
		For Clear Lacquer Finish, Add	*362.24*	
		For Baked Enamel Standard Colors, Add	*543.37*	
		For Anodized Finish, Add	*724.49*	
		For Kynar® Standard Colors Finish, Add	*996.17*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,111.42	102.10
		For Flange Frame, Add	*190.72*	
		For Clear Lacquer Finish, Add	*381.44*	
		For Baked Enamel Standard Colors, Add	*572.17*	
		For Anodized Finish, Add	*762.89*	
		For Kynar® Standard Colors Finish, Add	*1,048.97*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	497.61	31.56
		For Flange Frame, Add	*43.45*	
		For Clear Lacquer Finish, Add	*86.90*	
		For Baked Enamel Standard Colors, Add	*130.35*	
		For Anodized Finish, Add	*173.80*	
		For Kynar® Standard Colors Finish, Add	*238.97*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	674.04	40.84
		For Flange Frame, Add	*59.24*	
		For Clear Lacquer Finish, Add	*118.47*	
		For Baked Enamel Standard Colors, Add	*177.71*	
		For Anodized Finish, Add	*236.94*	
		For Kynar® Standard Colors Finish, Add	*325.80*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	788.30	46.41
		For Flange Frame, Add	*69.55*	
		For Clear Lacquer Finish, Add	*139.10*	
		For Baked Enamel Standard Colors, Add	*208.64*	
		For Anodized Finish, Add	*278.19*	
		For Kynar® Standard Colors Finish, Add	*382.51*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	924.59	51.97
		For Flange Frame, Add	*82.06*	
		For Clear Lacquer Finish, Add	*164.13*	
		For Baked Enamel Standard Colors, Add	*246.19*	
		For Anodized Finish, Add	*328.25*	
		For Kynar® Standard Colors Finish, Add	*451.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,050.83	56.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*93.80*	
		For Clear Lacquer Finish, Add	*187.59*	
		For Baked Enamel Standard Colors, Add	*281.39*	
		For Anodized Finish, Add	*375.19*	
		For Kynar® Standard Colors Finish, Add	*515.88*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,169.29	61.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*104.68*	
		For Clear Lacquer Finish, Add	*209.35*	
		For Baked Enamel Standard Colors, Add	*314.03*	
		For Anodized Finish, Add	*418.71*	
		For Kynar® Standard Colors Finish, Add	*575.72*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,323.92	64.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*119.40*	
		For Clear Lacquer Finish, Add	*238.79*	
		For Baked Enamel Standard Colors, Add	*358.19*	
		For Anodized Finish, Add	*477.59*	
		For Kynar® Standard Colors Finish, Add	*656.68*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,456.65	70.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*131.56*	
		For Clear Lacquer Finish, Add	*263.11*	
		For Baked Enamel Standard Colors, Add	*394.67*	
		For Anodized Finish, Add	*526.23*	
		For Kynar® Standard Colors Finish, Add	*723.56*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,564.50	76.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*141.23*	
		For Clear Lacquer Finish, Add	*282.46*	
		For Baked Enamel Standard Colors, Add	*423.68*	
		For Anodized Finish, Add	*564.91*	
		For Kynar® Standard Colors Finish, Add	*776.75*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,675.20	81.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*151.18*	
		For Clear Lacquer Finish, Add	*302.37*	
		For Baked Enamel Standard Colors, Add	*453.55*	
		For Anodized Finish, Add	*604.74*	
		For Kynar® Standard Colors Finish, Add	*831.51*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,789.45	87.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*161.50*	
		For Clear Lacquer Finish, Add	*322.99*	
		For Baked Enamel Standard Colors, Add	*484.49*	
		For Anodized Finish, Add	*645.98*	
		For Kynar® Standard Colors Finish, Add	*888.22*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,929.85	90.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*174.79*	
		For Clear Lacquer Finish, Add	*349.59*	
		For Baked Enamel Standard Colors, Add	*524.38*	
		For Anodized Finish, Add	*699.17*	
		For Kynar® Standard Colors Finish, Add	*961.36*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,049.64	94.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*186.03*	
		For Clear Lacquer Finish, Add	*372.06*	
		For Baked Enamel Standard Colors, Add	*558.09*	
		For Anodized Finish, Add	*744.12*	
		For Kynar® Standard Colors Finish, Add	*1,023.16*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,202.29	100.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*200.18*	
		For Clear Lacquer Finish, Add	*400.36*	
		For Baked Enamel Standard Colors, Add	*600.54*	
		For Anodized Finish, Add	*800.72*	
		For Kynar® Standard Colors Finish, Add	*1,100.99*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,315.82	105.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*210.42*	
		For Clear Lacquer Finish, Add	*420.84*	
		For Baked Enamel Standard Colors, Add	*631.26*	
		For Anodized Finish, Add	*841.68*	
		For Kynar® Standard Colors Finish, Add	*1,157.31*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	569.75	35.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*49.92*	
		For Clear Lacquer Finish, Add	*99.84*	
		For Baked Enamel Standard Colors, Add	*149.76*	
		For Anodized Finish, Add	*199.68*	
		For Kynar® Standard Colors Finish, Add	*274.57*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	726.98	44.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.79*	
		For Clear Lacquer Finish, Add	*127.57*	
		For Baked Enamel Standard Colors, Add	*191.36*	
		For Anodized Finish, Add	*255.15*	
		For Kynar® Standard Colors Finish, Add	*350.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	854.03	50.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.38*	
		For Clear Lacquer Finish, Add	*150.76*	
		For Baked Enamel Standard Colors, Add	*226.14*	
		For Anodized Finish, Add	*301.52*	
		For Kynar® Standard Colors Finish, Add	*414.58*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	999.01	57.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.39*	
		For Clear Lacquer Finish, Add	*176.78*	
		For Baked Enamel Standard Colors, Add	*265.18*	
		For Anodized Finish, Add	*353.57*	
		For Kynar® Standard Colors Finish, Add	*486.16*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,133.73	61.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*101.12*	
		For Clear Lacquer Finish, Add	*202.24*	
		For Baked Enamel Standard Colors, Add	*303.36*	
		For Anodized Finish, Add	*404.48*	
		For Kynar® Standard Colors Finish, Add	*556.17*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,261.34	64.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*113.14*	
		For Clear Lacquer Finish, Add	*226.28*	
		For Baked Enamel Standard Colors, Add	*339.42*	
		For Anodized Finish, Add	*452.56*	
		For Kynar® Standard Colors Finish, Add	*622.26*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,429.47	68.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*129.21*	
		For Clear Lacquer Finish, Add	*258.42*	
		For Baked Enamel Standard Colors, Add	*387.63*	
		For Anodized Finish, Add	*516.84*	
		For Kynar® Standard Colors Finish, Add	*710.66*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,564.35	74.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*141.58*	
		For Clear Lacquer Finish, Add	*283.17*	
		For Baked Enamel Standard Colors, Add	*424.75*	
		For Anodized Finish, Add	*566.34*	
		For Kynar® Standard Colors Finish, Add	*778.71*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,685.71	79.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*152.61*	
		For Clear Lacquer Finish, Add	*305.21*	
		For Baked Enamel Standard Colors, Add	*457.82*	
		For Anodized Finish, Add	*610.42*	
		For Kynar® Standard Colors Finish, Add	*839.33*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,799.24	85.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*162.85*	
		For Clear Lacquer Finish, Add	*325.69*	
		For Baked Enamel Standard Colors, Add	*488.54*	
		For Anodized Finish, Add	*651.38*	
		For Kynar® Standard Colors Finish, Add	*895.65*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,923.45	90.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*174.15*	
		For Clear Lacquer Finish, Add	*348.31*	
		For Baked Enamel Standard Colors, Add	*522.46*	
		For Anodized Finish, Add	*696.61*	
		For Kynar® Standard Colors Finish, Add	*957.84*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,074.53	94.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*188.52*	
		For Clear Lacquer Finish, Add	*377.04*	
		For Baked Enamel Standard Colors, Add	*565.55*	
		For Anodized Finish, Add	*754.07*	
		For Kynar® Standard Colors Finish, Add	*1,036.85*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,205.68	98.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*200.89*	
		For Clear Lacquer Finish, Add	*401.78*	
		For Baked Enamel Standard Colors, Add	*602.67*	
		For Anodized Finish, Add	*803.56*	
		For Kynar® Standard Colors Finish, Add	*1,104.90*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,376.84	103.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*216.89*	
		For Clear Lacquer Finish, Add	*433.78*	
		For Baked Enamel Standard Colors, Add	*650.68*	
		For Anodized Finish, Add	*867.57*	
		For Kynar® Standard Colors Finish, Add	*1,192.91*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,495.35	109.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*227.63*	
		For Clear Lacquer Finish, Add	*455.26*	
		For Baked Enamel Standard Colors, Add	*682.89*	
		For Anodized Finish, Add	*910.52*	
		For Kynar® Standard Colors Finish, Add	*1,251.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	616.29	38.99
		For Flange Frame, Add	*53.83*	
		For Clear Lacquer Finish, Add	*107.66*	
		For Baked Enamel Standard Colors, Add	*161.50*	
		For Anodized Finish, Add	*215.33*	
		For Kynar® Standard Colors Finish, Add	*296.08*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	783.47	48.27
		For Flange Frame, Add	*68.69*	
		For Clear Lacquer Finish, Add	*137.39*	
		For Baked Enamel Standard Colors, Add	*206.08*	
		For Anodized Finish, Add	*274.78*	
		For Kynar® Standard Colors Finish, Add	*377.82*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	927.75	55.69
		For Flange Frame, Add	*81.64*	
		For Clear Lacquer Finish, Add	*163.27*	
		For Baked Enamel Standard Colors, Add	*244.91*	
		For Anodized Finish, Add	*326.55*	
		For Kynar® Standard Colors Finish, Add	*449.00*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,076.84	61.26
		For Flange Frame, Add	*95.43*	
		For Clear Lacquer Finish, Add	*190.86*	
		For Baked Enamel Standard Colors, Add	*286.30*	
		For Anodized Finish, Add	*381.73*	
		For Kynar® Standard Colors Finish, Add	*524.88*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,225.79	64.97
		For Flange Frame, Add	*109.58*	
		For Clear Lacquer Finish, Add	*219.17*	
		For Baked Enamel Standard Colors, Add	*328.75*	
		For Anodized Finish, Add	*438.34*	
		For Kynar® Standard Colors Finish, Add	*602.71*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,369.74	68.69
		For Flange Frame, Add	*123.24*	
		For Clear Lacquer Finish, Add	*246.47*	
		For Baked Enamel Standard Colors, Add	*369.71*	
		For Anodized Finish, Add	*492.95*	
		For Kynar® Standard Colors Finish, Add	*677.80*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,548.71	74.26
		For Flange Frame, Add	*140.02*	
		For Clear Lacquer Finish, Add	*280.04*	
		For Baked Enamel Standard Colors, Add	*420.06*	
		For Anodized Finish, Add	*560.08*	
		For Kynar® Standard Colors Finish, Add	*770.11*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,696.38	79.82
		For Flange Frame, Add	*153.67*	
		For Clear Lacquer Finish, Add	*307.35*	
		For Baked Enamel Standard Colors, Add	*461.02*	
		For Anodized Finish, Add	*614.69*	
		For Kynar® Standard Colors Finish, Add	*845.20*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,824.13	85.39
		For Flange Frame, Add	*165.34*	
		For Clear Lacquer Finish, Add	*330.67*	
		For Baked Enamel Standard Colors, Add	*496.01*	
		For Anodized Finish, Add	*661.34*	
		For Kynar® Standard Colors Finish, Add	*909.34*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,954.03	90.96
		For Flange Frame, Add	*177.21*	
		For Clear Lacquer Finish, Add	*354.42*	
		For Baked Enamel Standard Colors, Add	*531.63*	
		For Anodized Finish, Add	*708.84*	
		For Kynar® Standard Colors Finish, Add	*974.66*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,081.09	96.53
		For Flange Frame, Add	*188.80*	
		For Clear Lacquer Finish, Add	*377.60*	
		For Baked Enamel Standard Colors, Add	*566.41*	
		For Anodized Finish, Add	*755.21*	
		For Kynar® Standard Colors Finish, Add	*1,038.41*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,252.07	100.24
		For Flange Frame, Add	*205.16*	
		For Clear Lacquer Finish, Add	*410.32*	
		For Baked Enamel Standard Colors, Add	*615.47*	
		For Anodized Finish, Add	*820.63*	
		For Kynar® Standard Colors Finish, Add	*1,128.37*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,393.90	103.96
		For Flange Frame, Add	*218.60*	
		For Clear Lacquer Finish, Add	*437.20*	
		For Baked Enamel Standard Colors, Add	*655.79*	
		For Anodized Finish, Add	*874.39*	
		For Kynar® Standard Colors Finish, Add	*1,202.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,569.15	107.67
		For Flange Frame, Add	*235.38*	
		For Clear Lacquer Finish, Add	*470.76*	
		For Baked Enamel Standard Colors, Add	*706.14*	
		For Anodized Finish, Add	*941.52*	
		For Kynar® Standard Colors Finish, Add	*1,294.60*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,699.75	113.24
		For Flange Frame, Add	*247.33*	
		For Clear Lacquer Finish, Add	*494.66*	
		For Baked Enamel Standard Colors, Add	*741.98*	
		For Anodized Finish, Add	*989.31*	
		For Kynar® Standard Colors Finish, Add	*1,360.30*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	715.61	44.55
		For Flange Frame, Add	*62.65*	
		For Clear Lacquer Finish, Add	*125.30*	
		For Baked Enamel Standard Colors, Add	*187.95*	
		For Anodized Finish, Add	*250.60*	
		For Kynar® Standard Colors Finish, Add	*344.58*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	918.35	53.84
		For Flange Frame, Add	*81.07*	
		For Clear Lacquer Finish, Add	*162.14*	
		For Baked Enamel Standard Colors, Add	*243.20*	
		For Anodized Finish, Add	*324.27*	
		For Kynar® Standard Colors Finish, Add	*445.87*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,076.29	63.12
		For Flange Frame, Add	*95.01*	
		For Clear Lacquer Finish, Add	*190.01*	
		For Baked Enamel Standard Colors, Add	*285.02*	
		For Anodized Finish, Add	*380.02*	
		For Kynar® Standard Colors Finish, Add	*522.53*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,238.03	66.83
		For Flange Frame, Add	*110.44*	
		For Clear Lacquer Finish, Add	*220.87*	
		For Baked Enamel Standard Colors, Add	*331.31*	
		For Anodized Finish, Add	*441.75*	
		For Kynar® Standard Colors Finish, Add	*607.40*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,413.98	70.54
		For Flange Frame, Add	*127.29*	
		For Clear Lacquer Finish, Add	*254.58*	
		For Baked Enamel Standard Colors, Add	*381.87*	
		For Anodized Finish, Add	*509.16*	
		For Kynar® Standard Colors Finish, Add	*700.10*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,571.46	74.26
		For Flange Frame, Add	*142.30*	
		For Clear Lacquer Finish, Add	*284.59*	
		For Baked Enamel Standard Colors, Add	*426.89*	
		For Anodized Finish, Add	*569.18*	
		For Kynar® Standard Colors Finish, Add	*782.62*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,779.58	79.82
		For Flange Frame, Add	*161.99*	
		For Clear Lacquer Finish, Add	*323.99*	
		For Baked Enamel Standard Colors, Add	*485.98*	
		For Anodized Finish, Add	*647.97*	
		For Kynar® Standard Colors Finish, Add	*890.96*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,982.00	85.39
		For Flange Frame, Add	*181.12*	
		For Clear Lacquer Finish, Add	*362.24*	
		For Baked Enamel Standard Colors, Add	*543.37*	
		For Anodized Finish, Add	*724.49*	
		For Kynar® Standard Colors Finish, Add	*996.17*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,133.23	90.96
		For Flange Frame, Add	*195.13*	
		For Clear Lacquer Finish, Add	*390.26*	
		For Baked Enamel Standard Colors, Add	*585.39*	
		For Anodized Finish, Add	*780.52*	
		For Kynar® Standard Colors Finish, Add	*1,073.22*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,282.34	96.53
		For Flange Frame, Add	*208.93*	
		For Clear Lacquer Finish, Add	*417.85*	
		For Baked Enamel Standard Colors, Add	*626.78*	
		For Anodized Finish, Add	*835.71*	
		For Kynar® Standard Colors Finish, Add	*1,149.10*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,426.30	100.24
		For Flange Frame, Add	*222.58*	
		For Clear Lacquer Finish, Add	*445.16*	
		For Baked Enamel Standard Colors, Add	*667.74*	
		For Anodized Finish, Add	*890.32*	
		For Kynar® Standard Colors Finish, Add	*1,224.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,617.19	103.96
		For Flange Frame, Add	*240.93*	
		For Clear Lacquer Finish, Add	*481.85*	
		For Baked Enamel Standard Colors, Add	*722.78*	
		For Anodized Finish, Add	*963.71*	
		For Kynar® Standard Colors Finish, Add	*1,325.10*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,776.08	107.67
		For Flange Frame, Add	*256.07*	
		For Clear Lacquer Finish, Add	*512.15*	
		For Baked Enamel Standard Colors, Add	*768.22*	
		For Anodized Finish, Add	*1,024.30*	
		For Kynar® Standard Colors Finish, Add	*1,408.41*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,981.20	111.38
		For Flange Frame, Add	*275.84*	
		For Clear Lacquer Finish, Add	*551.69*	
		For Baked Enamel Standard Colors, Add	*827.53*	
		For Anodized Finish, Add	*1,103.37*	
		For Kynar® Standard Colors Finish, Add	*1,517.14*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,133.86	116.95
		For Flange Frame, Add	*290.00*	
		For Clear Lacquer Finish, Add	*579.99*	
		For Baked Enamel Standard Colors, Add	*869.99*	
		For Anodized Finish, Add	*1,159.98*	
		For Kynar® Standard Colors Finish, Add	*1,594.97*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	759.29	48.27
		For Flange Frame, Add	*66.28*	
		For Clear Lacquer Finish, Add	*132.55*	
		For Baked Enamel Standard Colors, Add	*198.83*	
		For Anodized Finish, Add	*265.10*	
		For Kynar® Standard Colors Finish, Add	*364.52*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	978.55	59.41
		For Flange Frame, Add	*85.97*	
		For Clear Lacquer Finish, Add	*171.95*	
		For Baked Enamel Standard Colors, Add	*257.92*	
		For Anodized Finish, Add	*343.90*	
		For Kynar® Standard Colors Finish, Add	*472.86*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,140.61	66.83
		For Flange Frame, Add	*100.70*	
		For Clear Lacquer Finish, Add	*201.39*	
		For Baked Enamel Standard Colors, Add	*302.09*	
		For Anodized Finish, Add	*402.78*	
		For Kynar® Standard Colors Finish, Add	*553.82*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,318.69	70.54
		For Flange Frame, Add	*117.76*	
		For Clear Lacquer Finish, Add	*235.52*	
		For Baked Enamel Standard Colors, Add	*353.28*	
		For Anodized Finish, Add	*471.04*	
		For Kynar® Standard Colors Finish, Add	*647.69*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,504.77	76.11
		For Flange Frame, Add	*135.26*	
		For Clear Lacquer Finish, Add	*270.51*	
		For Baked Enamel Standard Colors, Add	*405.77*	
		For Anodized Finish, Add	*541.02*	
		For Kynar® Standard Colors Finish, Add	*743.90*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,671.49	79.82
		For Flange Frame, Add	*151.18*	
		For Clear Lacquer Finish, Add	*302.37*	
		For Baked Enamel Standard Colors, Add	*453.55*	
		For Anodized Finish, Add	*604.74*	
		For Kynar® Standard Colors Finish, Add	*831.51*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,894.53	85.39
		For Flange Frame, Add	*172.38*	
		For Clear Lacquer Finish, Add	*344.75*	
		For Baked Enamel Standard Colors, Add	*517.13*	
		For Anodized Finish, Add	*689.50*	
		For Kynar® Standard Colors Finish, Add	*948.06*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,102.66	90.96
		For Flange Frame, Add	*192.07*	
		For Clear Lacquer Finish, Add	*384.15*	
		For Baked Enamel Standard Colors, Add	*576.22*	
		For Anodized Finish, Add	*768.30*	
		For Kynar® Standard Colors Finish, Add	*1,056.41*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,264.56	96.53
		For Flange Frame, Add	*207.15*	
		For Clear Lacquer Finish, Add	*414.30*	
		For Baked Enamel Standard Colors, Add	*621.45*	
		For Anodized Finish, Add	*828.60*	
		For Kynar® Standard Colors Finish, Add	*1,139.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,423.61	102.10
		For Flange Frame, Add	*221.94*	
		For Clear Lacquer Finish, Add	*443.88*	
		For Baked Enamel Standard Colors, Add	*665.82*	
		For Anodized Finish, Add	*887.76*	
		For Kynar® Standard Colors Finish, Add	*1,220.68*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,576.81	105.81
		For Flange Frame, Add	*236.52*	
		For Clear Lacquer Finish, Add	*473.04*	
		For Baked Enamel Standard Colors, Add	*709.56*	
		For Anodized Finish, Add	*946.08*	
		For Kynar® Standard Colors Finish, Add	*1,300.85*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,784.06	109.53
		For Flange Frame, Add	*256.50*	
		For Clear Lacquer Finish, Add	*513.00*	
		For Baked Enamel Standard Colors, Add	*769.50*	
		For Anodized Finish, Add	*1,026.00*	
		For Kynar® Standard Colors Finish, Add	*1,410.76*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,950.77	113.24
		For Flange Frame, Add	*272.43*	
		For Clear Lacquer Finish, Add	*544.86*	
		For Baked Enamel Standard Colors, Add	*817.29*	
		For Anodized Finish, Add	*1,089.72*	
		For Kynar® Standard Colors Finish, Add	*1,498.37*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,166.57	116.95
		For Flange Frame, Add	*293.27*	
		For Clear Lacquer Finish, Add	*586.53*	
		For Baked Enamel Standard Colors, Add	*879.80*	
		For Anodized Finish, Add	*1,173.06*	
		For Kynar® Standard Colors Finish, Add	*1,612.96*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,324.75	120.66
		For Flange Frame, Add	*308.34*	
		For Clear Lacquer Finish, Add	*616.68*	
		For Baked Enamel Standard Colors, Add	*925.03*	
		For Anodized Finish, Add	*1,233.37*	
		For Kynar® Standard Colors Finish, Add	*1,695.88*	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators *(08 91 16)*

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	190.72	18.57
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	425.88	7.42

08 91 19 Fixed Louvers *(08 91)*

08 91 19 00-0001 Fixed Intake Wall Louvers *(08 91 19)*

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	248.18	16.70
		For Flange Frame, Add	*21.48*	
		For Clear Lacquer Finish, Add	*42.95*	
		For Baked Enamel Standard Colors, Add	*64.43*	
		For Anodized Finish, Add	*85.90*	
		For Kynar® Standard Colors Finish, Add	*118.12*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	294.71	20.42
		For Flange Frame, Add	*25.39*	
		For Clear Lacquer Finish, Add	*50.77*	
		For Baked Enamel Standard Colors, Add	*76.16*	
		For Anodized Finish, Add	*101.55*	
		For Kynar® Standard Colors Finish, Add	*139.63*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	341.96	24.13
		For Flange Frame, Add	*29.37*	
		For Clear Lacquer Finish, Add	*58.74*	
		For Baked Enamel Standard Colors, Add	*88.11*	
		For Anodized Finish, Add	*117.48*	
		For Kynar® Standard Colors Finish, Add	*161.53*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	401.29	27.85
		For Flange Frame, Add	*34.56*	
		For Clear Lacquer Finish, Add	*69.12*	
		For Baked Enamel Standard Colors, Add	*103.68*	
		For Anodized Finish, Add	*138.24*	
		For Kynar® Standard Colors Finish, Add	*190.08*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	451.39	31.56
		For Flange Frame, Add	*38.83*	
		For Clear Lacquer Finish, Add	*77.65*	
		For Baked Enamel Standard Colors, Add	*116.48*	
		For Anodized Finish, Add	*155.31*	
		For Kynar® Standard Colors Finish, Add	*213.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	532.77	35.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.22*	
		For Clear Lacquer Finish, Add	*92.45*	
		For Baked Enamel Standard Colors, Add	*138.67*	
		For Anodized Finish, Add	*184.89*	
		For Kynar® Standard Colors Finish, Add	*254.23*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	577.18	38.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*49.92*	
		For Clear Lacquer Finish, Add	*99.84*	
		For Baked Enamel Standard Colors, Add	*149.76*	
		For Anodized Finish, Add	*199.68*	
		For Kynar® Standard Colors Finish, Add	*274.57*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	645.21	44.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.61*	
		For Clear Lacquer Finish, Add	*111.22*	
		For Baked Enamel Standard Colors, Add	*166.83*	
		For Anodized Finish, Add	*222.44*	
		For Kynar® Standard Colors Finish, Add	*305.86*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	686.05	48.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*58.95*	
		For Clear Lacquer Finish, Add	*117.90*	
		For Baked Enamel Standard Colors, Add	*176.86*	
		For Anodized Finish, Add	*235.81*	
		For Kynar® Standard Colors Finish, Add	*324.24*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	741.83	51.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.79*	
		For Clear Lacquer Finish, Add	*127.57*	
		For Baked Enamel Standard Colors, Add	*191.36*	
		For Anodized Finish, Add	*255.15*	
		For Kynar® Standard Colors Finish, Add	*350.83*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	790.50	55.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*67.91*	
		For Clear Lacquer Finish, Add	*135.82*	
		For Baked Enamel Standard Colors, Add	*203.74*	
		For Anodized Finish, Add	*271.65*	
		For Kynar® Standard Colors Finish, Add	*373.52*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	848.42	59.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*72.96*	
		For Clear Lacquer Finish, Add	*145.92*	
		For Baked Enamel Standard Colors, Add	*218.88*	
		For Anodized Finish, Add	*291.84*	
		For Kynar® Standard Colors Finish, Add	*401.29*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	902.77	63.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*77.65*	
		For Clear Lacquer Finish, Add	*155.31*	
		For Baked Enamel Standard Colors, Add	*232.96*	
		For Anodized Finish, Add	*310.62*	
		For Kynar® Standard Colors Finish, Add	*427.10*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	950.89	68.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.35*	
		For Clear Lacquer Finish, Add	*162.70*	
		For Baked Enamel Standard Colors, Add	*244.06*	
		For Anodized Finish, Add	*325.41*	
		For Kynar® Standard Colors Finish, Add	*447.44*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,015.37	74.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*86.69*	
		For Clear Lacquer Finish, Add	*173.37*	
		For Baked Enamel Standard Colors, Add	*260.06*	
		For Anodized Finish, Add	*346.74*	
		For Kynar® Standard Colors Finish, Add	*476.77*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	288.31	20.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*24.75*	
		For Clear Lacquer Finish, Add	*49.49*	
		For Baked Enamel Standard Colors, Add	*74.24*	
		For Anodized Finish, Add	*98.99*	
		For Kynar® Standard Colors Finish, Add	*136.11*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	345.66	25.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*29.37*	
		For Clear Lacquer Finish, Add	*58.74*	
		For Baked Enamel Standard Colors, Add	*88.11*	
		For Anodized Finish, Add	*117.48*	
		For Kynar® Standard Colors Finish, Add	*161.53*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	400.75	29.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*34.13*	
		For Clear Lacquer Finish, Add	*68.27*	
		For Baked Enamel Standard Colors, Add	*102.40*	
		For Anodized Finish, Add	*136.54*	
		For Kynar® Standard Colors Finish, Add	*187.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	502.35	37.12
		For Flange Frame, Add	*42.81*	
		For Clear Lacquer Finish, Add	*85.62*	
		For Baked Enamel Standard Colors, Add	*128.43*	
		For Anodized Finish, Add	*171.24*	
		For Kynar® Standard Colors Finish, Add	*235.45*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	576.62	40.84
		For Flange Frame, Add	*49.49*	
		For Clear Lacquer Finish, Add	*98.99*	
		For Baked Enamel Standard Colors, Add	*148.48*	
		For Anodized Finish, Add	*197.98*	
		For Kynar® Standard Colors Finish, Add	*272.22*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	642.36	44.55
		For Flange Frame, Add	*55.33*	
		For Clear Lacquer Finish, Add	*110.65*	
		For Baked Enamel Standard Colors, Add	*165.98*	
		For Anodized Finish, Add	*221.30*	
		For Kynar® Standard Colors Finish, Add	*304.29*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	688.89	48.27
		For Flange Frame, Add	*59.24*	
		For Clear Lacquer Finish, Add	*118.47*	
		For Baked Enamel Standard Colors, Add	*177.71*	
		For Anodized Finish, Add	*236.94*	
		For Kynar® Standard Colors Finish, Add	*325.80*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	766.88	53.84
		For Flange Frame, Add	*65.92*	
		For Clear Lacquer Finish, Add	*131.84*	
		For Baked Enamel Standard Colors, Add	*197.76*	
		For Anodized Finish, Add	*263.68*	
		For Kynar® Standard Colors Finish, Add	*362.57*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	821.40	59.41
		For Flange Frame, Add	*70.26*	
		For Clear Lacquer Finish, Add	*140.52*	
		For Baked Enamel Standard Colors, Add	*210.78*	
		For Anodized Finish, Add	*281.04*	
		For Kynar® Standard Colors Finish, Add	*386.42*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	892.82	63.12
		For Flange Frame, Add	*76.66*	
		For Clear Lacquer Finish, Add	*153.32*	
		For Baked Enamel Standard Colors, Add	*229.98*	
		For Anodized Finish, Add	*306.64*	
		For Kynar® Standard Colors Finish, Add	*421.62*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	947.18	66.83
		For Flange Frame, Add	*81.35*	
		For Clear Lacquer Finish, Add	*162.70*	
		For Baked Enamel Standard Colors, Add	*244.06*	
		For Anodized Finish, Add	*325.41*	
		For Kynar® Standard Colors Finish, Add	*447.44*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,007.94	70.54
		For Flange Frame, Add	*86.69*	
		For Clear Lacquer Finish, Add	*173.37*	
		For Baked Enamel Standard Colors, Add	*260.06*	
		For Anodized Finish, Add	*346.74*	
		For Kynar® Standard Colors Finish, Add	*476.77*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,071.54	74.26
		For Flange Frame, Add	*92.30*	
		For Clear Lacquer Finish, Add	*184.61*	
		For Baked Enamel Standard Colors, Add	*276.91*	
		For Anodized Finish, Add	*369.21*	
		For Kynar® Standard Colors Finish, Add	*507.67*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,127.48	79.82
		For Flange Frame, Add	*96.78*	
		For Clear Lacquer Finish, Add	*193.57*	
		For Baked Enamel Standard Colors, Add	*290.35*	
		For Anodized Finish, Add	*387.13*	
		For Kynar® Standard Colors Finish, Add	*532.31*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,205.46	85.39
		For Flange Frame, Add	*103.47*	
		For Clear Lacquer Finish, Add	*206.94*	
		For Baked Enamel Standard Colors, Add	*310.40*	
		For Anodized Finish, Add	*413.87*	
		For Kynar® Standard Colors Finish, Add	*569.07*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	333.43	24.13
		For Flange Frame, Add	*28.52*	
		For Clear Lacquer Finish, Add	*57.03*	
		For Baked Enamel Standard Colors, Add	*85.55*	
		For Anodized Finish, Add	*114.06*	
		For Kynar® Standard Colors Finish, Add	*156.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	397.19	29.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*33.78*	
		For Clear Lacquer Finish, Add	*67.56*	
		For Baked Enamel Standard Colors, Add	*101.33*	
		For Anodized Finish, Add	*135.11*	
		For Kynar® Standard Colors Finish, Add	*185.78*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	492.23	35.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*42.17*	
		For Clear Lacquer Finish, Add	*84.34*	
		For Baked Enamel Standard Colors, Add	*126.51*	
		For Anodized Finish, Add	*168.68*	
		For Kynar® Standard Colors Finish, Add	*231.93*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	580.33	42.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*49.49*	
		For Clear Lacquer Finish, Add	*98.99*	
		For Baked Enamel Standard Colors, Add	*148.48*	
		For Anodized Finish, Add	*197.98*	
		For Kynar® Standard Colors Finish, Add	*272.22*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	664.56	46.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*57.17*	
		For Clear Lacquer Finish, Add	*114.35*	
		For Baked Enamel Standard Colors, Add	*171.52*	
		For Anodized Finish, Add	*228.70*	
		For Kynar® Standard Colors Finish, Add	*314.46*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	742.38	50.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.21*	
		For Clear Lacquer Finish, Add	*128.43*	
		For Baked Enamel Standard Colors, Add	*192.64*	
		For Anodized Finish, Add	*256.86*	
		For Kynar® Standard Colors Finish, Add	*353.18*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	806.86	55.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*69.55*	
		For Clear Lacquer Finish, Add	*139.10*	
		For Baked Enamel Standard Colors, Add	*208.64*	
		For Anodized Finish, Add	*278.19*	
		For Kynar® Standard Colors Finish, Add	*382.51*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	892.82	63.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.66*	
		For Clear Lacquer Finish, Add	*153.32*	
		For Baked Enamel Standard Colors, Add	*229.98*	
		For Anodized Finish, Add	*306.64*	
		For Kynar® Standard Colors Finish, Add	*421.62*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	950.03	66.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.64*	
		For Clear Lacquer Finish, Add	*163.27*	
		For Baked Enamel Standard Colors, Add	*244.91*	
		For Anodized Finish, Add	*326.55*	
		For Kynar® Standard Colors Finish, Add	*449.00*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,043.81	74.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*89.53*	
		For Clear Lacquer Finish, Add	*179.06*	
		For Baked Enamel Standard Colors, Add	*268.59*	
		For Anodized Finish, Add	*358.12*	
		For Kynar® Standard Colors Finish, Add	*492.42*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,103.14	77.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.72*	
		For Clear Lacquer Finish, Add	*189.44*	
		For Baked Enamel Standard Colors, Add	*284.16*	
		For Anodized Finish, Add	*378.88*	
		For Kynar® Standard Colors Finish, Add	*520.97*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,180.26	81.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*101.69*	
		For Clear Lacquer Finish, Add	*203.38*	
		For Baked Enamel Standard Colors, Add	*305.07*	
		For Anodized Finish, Add	*406.76*	
		For Kynar® Standard Colors Finish, Add	*559.30*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,255.95	85.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*108.52*	
		For Clear Lacquer Finish, Add	*217.03*	
		For Baked Enamel Standard Colors, Add	*325.55*	
		For Anodized Finish, Add	*434.07*	
		For Kynar® Standard Colors Finish, Add	*596.84*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,313.31	90.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*113.14*	
		For Clear Lacquer Finish, Add	*226.28*	
		For Baked Enamel Standard Colors, Add	*339.42*	
		For Anodized Finish, Add	*452.56*	
		For Kynar® Standard Colors Finish, Add	*622.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,408.37	96.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*121.53*	
		For Clear Lacquer Finish, Add	*243.06*	
		For Baked Enamel Standard Colors, Add	*364.59*	
		For Anodized Finish, Add	*486.12*	
		For Kynar® Standard Colors Finish, Add	*668.42*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	373.56	27.85
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*31.79*	
		For Clear Lacquer Finish, Add	*63.57*	
		For Baked Enamel Standard Colors, Add	*95.36*	
		For Anodized Finish, Add	*127.15*	
		For Kynar® Standard Colors Finish, Add	*174.83*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	483.15	37.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.89*	
		For Clear Lacquer Finish, Add	*81.78*	
		For Baked Enamel Standard Colors, Add	*122.67*	
		For Anodized Finish, Add	*163.56*	
		For Kynar® Standard Colors Finish, Add	*224.89*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	563.97	42.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*47.86*	
		For Clear Lacquer Finish, Add	*95.72*	
		For Baked Enamel Standard Colors, Add	*143.57*	
		For Anodized Finish, Add	*191.43*	
		For Kynar® Standard Colors Finish, Add	*263.22*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	658.31	48.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.18*	
		For Clear Lacquer Finish, Add	*112.36*	
		For Baked Enamel Standard Colors, Add	*168.53*	
		For Anodized Finish, Add	*224.71*	
		For Kynar® Standard Colors Finish, Add	*308.98*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	759.61	51.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*65.57*	
		For Clear Lacquer Finish, Add	*131.13*	
		For Baked Enamel Standard Colors, Add	*196.70*	
		For Anodized Finish, Add	*262.26*	
		For Kynar® Standard Colors Finish, Add	*360.61*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	844.70	57.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*72.96*	
		For Clear Lacquer Finish, Add	*145.92*	
		For Baked Enamel Standard Colors, Add	*218.88*	
		For Anodized Finish, Add	*291.84*	
		For Kynar® Standard Colors Finish, Add	*401.29*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	908.31	61.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*78.58*	
		For Clear Lacquer Finish, Add	*157.16*	
		For Baked Enamel Standard Colors, Add	*235.74*	
		For Anodized Finish, Add	*314.32*	
		For Kynar® Standard Colors Finish, Add	*432.18*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	997.67	66.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*86.40*	
		For Clear Lacquer Finish, Add	*172.80*	
		For Baked Enamel Standard Colors, Add	*259.20*	
		For Anodized Finish, Add	*345.60*	
		For Kynar® Standard Colors Finish, Add	*475.21*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,069.09	70.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*92.80*	
		For Clear Lacquer Finish, Add	*185.60*	
		For Baked Enamel Standard Colors, Add	*278.40*	
		For Anodized Finish, Add	*371.20*	
		For Kynar® Standard Colors Finish, Add	*510.41*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,177.81	77.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*102.19*	
		For Clear Lacquer Finish, Add	*204.38*	
		For Baked Enamel Standard Colors, Add	*306.56*	
		For Anodized Finish, Add	*408.75*	
		For Kynar® Standard Colors Finish, Add	*562.03*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,247.26	83.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*108.02*	
		For Clear Lacquer Finish, Add	*216.04*	
		For Baked Enamel Standard Colors, Add	*324.06*	
		For Anodized Finish, Add	*432.08*	
		For Kynar® Standard Colors Finish, Add	*594.10*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,329.36	87.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*115.49*	
		For Clear Lacquer Finish, Add	*230.97*	
		For Baked Enamel Standard Colors, Add	*346.46*	
		For Anodized Finish, Add	*461.94*	
		For Kynar® Standard Colors Finish, Add	*635.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,410.74	90.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*122.88*	
		For Clear Lacquer Finish, Add	*245.76*	
		For Baked Enamel Standard Colors, Add	*368.65*	
		For Anodized Finish, Add	*491.53*	
		For Kynar® Standard Colors Finish, Add	*675.85*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,478.77	96.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*128.57*	
		For Clear Lacquer Finish, Add	*257.14*	
		For Baked Enamel Standard Colors, Add	*385.71*	
		For Anodized Finish, Add	*514.28*	
		For Kynar® Standard Colors Finish, Add	*707.14*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,586.62	102.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*138.24*	
		For Clear Lacquer Finish, Add	*276.48*	
		For Baked Enamel Standard Colors, Add	*414.73*	
		For Anodized Finish, Add	*552.97*	
		For Kynar® Standard Colors Finish, Add	*760.33*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	414.41	31.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*35.13*	
		For Clear Lacquer Finish, Add	*70.26*	
		For Baked Enamel Standard Colors, Add	*105.39*	
		For Anodized Finish, Add	*140.52*	
		For Kynar® Standard Colors Finish, Add	*193.21*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	543.91	40.84
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.22*	
		For Clear Lacquer Finish, Add	*92.45*	
		For Baked Enamel Standard Colors, Add	*138.67*	
		For Anodized Finish, Add	*184.89*	
		For Kynar® Standard Colors Finish, Add	*254.23*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	629.00	46.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*53.62*	
		For Clear Lacquer Finish, Add	*107.24*	
		For Baked Enamel Standard Colors, Add	*160.85*	
		For Anodized Finish, Add	*214.47*	
		For Kynar® Standard Colors Finish, Add	*294.90*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	730.46	51.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*62.65*	
		For Clear Lacquer Finish, Add	*125.30*	
		For Baked Enamel Standard Colors, Add	*187.95*	
		For Anodized Finish, Add	*250.60*	
		For Kynar® Standard Colors Finish, Add	*344.58*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	844.60	56.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*73.17*	
		For Clear Lacquer Finish, Add	*146.35*	
		For Baked Enamel Standard Colors, Add	*219.52*	
		For Anodized Finish, Add	*292.70*	
		For Kynar® Standard Colors Finish, Add	*402.46*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	933.20	61.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.07*	
		For Clear Lacquer Finish, Add	*162.14*	
		For Baked Enamel Standard Colors, Add	*243.20*	
		For Anodized Finish, Add	*324.27*	
		For Kynar® Standard Colors Finish, Add	*445.87*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,009.61	64.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*87.97*	
		For Clear Lacquer Finish, Add	*175.93*	
		For Baked Enamel Standard Colors, Add	*263.90*	
		For Anodized Finish, Add	*351.86*	
		For Kynar® Standard Colors Finish, Add	*483.81*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,111.76	70.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*97.07*	
		For Clear Lacquer Finish, Add	*194.14*	
		For Baked Enamel Standard Colors, Add	*291.20*	
		For Anodized Finish, Add	*388.27*	
		For Kynar® Standard Colors Finish, Add	*533.87*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,189.03	76.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*103.68*	
		For Clear Lacquer Finish, Add	*207.36*	
		For Baked Enamel Standard Colors, Add	*311.04*	
		For Anodized Finish, Add	*414.72*	
		For Kynar® Standard Colors Finish, Add	*570.25*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,311.82	81.68
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.85*	
		For Clear Lacquer Finish, Add	*229.69*	
		For Baked Enamel Standard Colors, Add	*344.54*	
		For Anodized Finish, Add	*459.38*	
		For Kynar® Standard Colors Finish, Add	*631.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,392.65	87.25
		For Flange Frame, Add	*121.82*	
		For Clear Lacquer Finish, Add	*243.63*	
		For Baked Enamel Standard Colors, Add	*365.45*	
		For Anodized Finish, Add	*487.26*	
		For Kynar® Standard Colors Finish, Add	*669.98*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,480.43	90.96
		For Flange Frame, Add	*129.85*	
		For Clear Lacquer Finish, Add	*259.70*	
		For Baked Enamel Standard Colors, Add	*389.55*	
		For Anodized Finish, Add	*519.40*	
		For Kynar® Standard Colors Finish, Add	*714.18*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,571.77	94.68
		For Flange Frame, Add	*138.24*	
		For Clear Lacquer Finish, Add	*276.48*	
		For Baked Enamel Standard Colors, Add	*414.73*	
		For Anodized Finish, Add	*552.97*	
		For Kynar® Standard Colors Finish, Add	*760.33*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,649.75	100.24
		For Flange Frame, Add	*144.93*	
		For Clear Lacquer Finish, Add	*289.85*	
		For Baked Enamel Standard Colors, Add	*434.78*	
		For Anodized Finish, Add	*579.70*	
		For Kynar® Standard Colors Finish, Add	*797.09*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,771.82	105.81
		For Flange Frame, Add	*156.02*	
		For Clear Lacquer Finish, Add	*312.04*	
		For Baked Enamel Standard Colors, Add	*468.06*	
		For Anodized Finish, Add	*624.08*	
		For Kynar® Standard Colors Finish, Add	*858.11*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	482.28	35.27
		For Flange Frame, Add	*41.17*	
		For Clear Lacquer Finish, Add	*82.35*	
		For Baked Enamel Standard Colors, Add	*123.52*	
		For Anodized Finish, Add	*164.70*	
		For Kynar® Standard Colors Finish, Add	*226.46*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	591.16	44.55
		For Flange Frame, Add	*50.21*	
		For Clear Lacquer Finish, Add	*100.41*	
		For Baked Enamel Standard Colors, Add	*150.62*	
		For Anodized Finish, Add	*200.82*	
		For Kynar® Standard Colors Finish, Add	*276.13*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	685.49	50.12
		For Flange Frame, Add	*58.53*	
		For Clear Lacquer Finish, Add	*117.05*	
		For Baked Enamel Standard Colors, Add	*175.58*	
		For Anodized Finish, Add	*234.10*	
		For Kynar® Standard Colors Finish, Add	*321.89*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	802.03	57.54
		For Flange Frame, Add	*68.69*	
		For Clear Lacquer Finish, Add	*137.39*	
		For Baked Enamel Standard Colors, Add	*206.08*	
		For Anodized Finish, Add	*274.78*	
		For Kynar® Standard Colors Finish, Add	*377.82*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	926.09	61.26
		For Flange Frame, Add	*80.36*	
		For Clear Lacquer Finish, Add	*160.71*	
		For Baked Enamel Standard Colors, Add	*241.07*	
		For Anodized Finish, Add	*321.43*	
		For Kynar® Standard Colors Finish, Add	*441.96*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,025.25	64.97
		For Flange Frame, Add	*89.53*	
		For Clear Lacquer Finish, Add	*179.06*	
		For Baked Enamel Standard Colors, Add	*268.59*	
		For Anodized Finish, Add	*358.12*	
		For Kynar® Standard Colors Finish, Add	*492.42*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,110.89	68.69
		For Flange Frame, Add	*97.35*	
		For Clear Lacquer Finish, Add	*194.70*	
		For Baked Enamel Standard Colors, Add	*292.06*	
		For Anodized Finish, Add	*389.41*	
		For Kynar® Standard Colors Finish, Add	*535.44*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,213.06	74.26
		For Flange Frame, Add	*106.46*	
		For Clear Lacquer Finish, Add	*212.91*	
		For Baked Enamel Standard Colors, Add	*319.37*	
		For Anodized Finish, Add	*425.82*	
		For Kynar® Standard Colors Finish, Add	*585.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,300.29	79.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.06*	
		For Clear Lacquer Finish, Add	*228.13*	
		For Baked Enamel Standard Colors, Add	*342.19*	
		For Anodized Finish, Add	*456.26*	
		For Kynar® Standard Colors Finish, Add	*627.35*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,436.57	85.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*126.58*	
		For Clear Lacquer Finish, Add	*253.16*	
		For Baked Enamel Standard Colors, Add	*379.74*	
		For Anodized Finish, Add	*506.32*	
		For Kynar® Standard Colors Finish, Add	*696.18*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,523.80	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.19*	
		For Clear Lacquer Finish, Add	*268.38*	
		For Baked Enamel Standard Colors, Add	*402.56*	
		For Anodized Finish, Add	*536.75*	
		For Kynar® Standard Colors Finish, Add	*738.03*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,622.97	94.68
		Note: Includes bird screen.		
		For Flange Frame, Add	*143.36*	
		For Clear Lacquer Finish, Add	*286.72*	
		For Baked Enamel Standard Colors, Add	*430.09*	
		For Anodized Finish, Add	*573.45*	
		For Kynar® Standard Colors Finish, Add	*788.49*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,722.83	98.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*152.61*	
		For Clear Lacquer Finish, Add	*305.21*	
		For Baked Enamel Standard Colors, Add	*457.82*	
		For Anodized Finish, Add	*610.42*	
		For Kynar® Standard Colors Finish, Add	*839.33*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,815.05	103.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*160.71*	
		For Clear Lacquer Finish, Add	*321.43*	
		For Baked Enamel Standard Colors, Add	*482.14*	
		For Anodized Finish, Add	*642.85*	
		For Kynar® Standard Colors Finish, Add	*883.92*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,946.36	109.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*172.73*	
		For Clear Lacquer Finish, Add	*345.46*	
		For Baked Enamel Standard Colors, Add	*518.19*	
		For Anodized Finish, Add	*690.92*	
		For Kynar® Standard Colors Finish, Add	*950.02*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	527.40	38.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*44.94*	
		For Clear Lacquer Finish, Add	*89.89*	
		For Baked Enamel Standard Colors, Add	*134.83*	
		For Anodized Finish, Add	*179.77*	
		For Kynar® Standard Colors Finish, Add	*247.19*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	646.23	48.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*54.97*	
		For Clear Lacquer Finish, Add	*109.94*	
		For Baked Enamel Standard Colors, Add	*164.91*	
		For Anodized Finish, Add	*219.88*	
		For Kynar® Standard Colors Finish, Add	*302.34*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	757.08	55.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*64.57*	
		For Clear Lacquer Finish, Add	*129.14*	
		For Baked Enamel Standard Colors, Add	*193.71*	
		For Anodized Finish, Add	*258.28*	
		For Kynar® Standard Colors Finish, Add	*355.14*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	872.04	61.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.95*	
		For Clear Lacquer Finish, Add	*149.90*	
		For Baked Enamel Standard Colors, Add	*224.86*	
		For Anodized Finish, Add	*299.81*	
		For Kynar® Standard Colors Finish, Add	*412.24*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,013.87	64.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*88.39*	
		For Clear Lacquer Finish, Add	*176.78*	
		For Baked Enamel Standard Colors, Add	*265.18*	
		For Anodized Finish, Add	*353.57*	
		For Kynar® Standard Colors Finish, Add	*486.16*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,128.67	68.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*99.13*	
		For Clear Lacquer Finish, Add	*198.26*	
		For Baked Enamel Standard Colors, Add	*297.39*	
		For Anodized Finish, Add	*396.52*	
		For Kynar® Standard Colors Finish, Add	*545.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,223.01	74.26
		For Flange Frame, Add	*107.45*	
		For Clear Lacquer Finish, Add	*214.90*	
		For Baked Enamel Standard Colors, Add	*322.35*	
		For Anodized Finish, Add	*429.80*	
		For Kynar® Standard Colors Finish, Add	*590.98*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,372.11	79.82
		For Flange Frame, Add	*121.25*	
		For Clear Lacquer Finish, Add	*242.49*	
		For Baked Enamel Standard Colors, Add	*363.74*	
		For Anodized Finish, Add	*484.98*	
		For Kynar® Standard Colors Finish, Add	*666.85*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,436.57	85.39
		For Flange Frame, Add	*126.58*	
		For Clear Lacquer Finish, Add	*253.16*	
		For Baked Enamel Standard Colors, Add	*379.74*	
		For Anodized Finish, Add	*506.32*	
		For Kynar® Standard Colors Finish, Add	*696.18*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,582.12	90.96
		For Flange Frame, Add	*140.02*	
		For Clear Lacquer Finish, Add	*280.04*	
		For Baked Enamel Standard Colors, Add	*420.06*	
		For Anodized Finish, Add	*560.08*	
		For Kynar® Standard Colors Finish, Add	*770.11*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,682.87	96.53
		For Flange Frame, Add	*148.98*	
		For Clear Lacquer Finish, Add	*297.96*	
		For Baked Enamel Standard Colors, Add	*446.94*	
		For Anodized Finish, Add	*595.92*	
		For Kynar® Standard Colors Finish, Add	*819.39*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,793.40	100.24
		For Flange Frame, Add	*159.29*	
		For Clear Lacquer Finish, Add	*318.58*	
		For Baked Enamel Standard Colors, Add	*477.87*	
		For Anodized Finish, Add	*637.16*	
		For Kynar® Standard Colors Finish, Add	*876.10*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,903.94	103.96
		For Flange Frame, Add	*169.60*	
		For Clear Lacquer Finish, Add	*339.20*	
		For Baked Enamel Standard Colors, Add	*508.81*	
		For Anodized Finish, Add	*678.41*	
		For Kynar® Standard Colors Finish, Add	*932.81*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,995.98	107.67
		For Flange Frame, Add	*178.06*	
		For Clear Lacquer Finish, Add	*356.13*	
		For Baked Enamel Standard Colors, Add	*534.19*	
		For Anodized Finish, Add	*712.26*	
		For Kynar® Standard Colors Finish, Add	*979.35*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,147.21	113.24
		For Flange Frame, Add	*192.07*	
		For Clear Lacquer Finish, Add	*384.15*	
		For Baked Enamel Standard Colors, Add	*576.22*	
		For Anodized Finish, Add	*768.30*	
		For Kynar® Standard Colors Finish, Add	*1,056.41*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	584.05	44.55
		For Flange Frame, Add	*49.49*	
		For Clear Lacquer Finish, Add	*98.99*	
		For Baked Enamel Standard Colors, Add	*148.48*	
		For Anodized Finish, Add	*197.98*	
		For Kynar® Standard Colors Finish, Add	*272.22*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	717.10	53.84
		For Flange Frame, Add	*60.94*	
		For Clear Lacquer Finish, Add	*121.89*	
		For Baked Enamel Standard Colors, Add	*182.83*	
		For Anodized Finish, Add	*243.77*	
		For Kynar® Standard Colors Finish, Add	*335.19*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	839.48	63.12
		For Flange Frame, Add	*71.33*	
		For Clear Lacquer Finish, Add	*142.65*	
		For Baked Enamel Standard Colors, Add	*213.98*	
		For Anodized Finish, Add	*285.30*	
		For Kynar® Standard Colors Finish, Add	*392.29*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	962.83	66.83
		For Flange Frame, Add	*82.92*	
		For Clear Lacquer Finish, Add	*165.83*	
		For Baked Enamel Standard Colors, Add	*248.75*	
		For Anodized Finish, Add	*331.67*	
		For Kynar® Standard Colors Finish, Add	*456.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,132.38	70.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*99.13*	
		For Clear Lacquer Finish, Add	*198.26*	
		For Baked Enamel Standard Colors, Add	*297.39*	
		For Anodized Finish, Add	*396.52*	
		For Kynar® Standard Colors Finish, Add	*545.22*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,250.03	74.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.15*	
		For Clear Lacquer Finish, Add	*220.30*	
		For Baked Enamel Standard Colors, Add	*330.46*	
		For Anodized Finish, Add	*440.61*	
		For Kynar® Standard Colors Finish, Add	*605.84*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,360.73	79.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*120.11*	
		For Clear Lacquer Finish, Add	*240.22*	
		For Baked Enamel Standard Colors, Add	*360.32*	
		For Anodized Finish, Add	*480.43*	
		For Kynar® Standard Colors Finish, Add	*660.59*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,523.33	85.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*135.26*	
		For Clear Lacquer Finish, Add	*270.51*	
		For Baked Enamel Standard Colors, Add	*405.77*	
		For Anodized Finish, Add	*541.02*	
		For Kynar® Standard Colors Finish, Add	*743.90*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,637.58	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.57*	
		For Clear Lacquer Finish, Add	*291.13*	
		For Baked Enamel Standard Colors, Add	*436.70*	
		For Anodized Finish, Add	*582.26*	
		For Kynar® Standard Colors Finish, Add	*800.61*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,808.02	96.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*161.50*	
		For Clear Lacquer Finish, Add	*322.99*	
		For Baked Enamel Standard Colors, Add	*484.49*	
		For Anodized Finish, Add	*645.98*	
		For Kynar® Standard Colors Finish, Add	*888.22*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,917.84	100.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.74*	
		For Clear Lacquer Finish, Add	*343.47*	
		For Baked Enamel Standard Colors, Add	*515.21*	
		For Anodized Finish, Add	*686.94*	
		For Kynar® Standard Colors Finish, Add	*944.54*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,043.32	103.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*183.54*	
		For Clear Lacquer Finish, Add	*367.08*	
		For Baked Enamel Standard Colors, Add	*550.62*	
		For Anodized Finish, Add	*734.16*	
		For Kynar® Standard Colors Finish, Add	*1,009.47*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,163.81	107.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*194.85*	
		For Clear Lacquer Finish, Add	*389.69*	
		For Baked Enamel Standard Colors, Add	*584.54*	
		For Anodized Finish, Add	*779.39*	
		For Kynar® Standard Colors Finish, Add	*1,071.66*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,263.68	111.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*204.09*	
		For Clear Lacquer Finish, Add	*408.18*	
		For Baked Enamel Standard Colors, Add	*612.27*	
		For Anodized Finish, Add	*816.36*	
		For Kynar® Standard Colors Finish, Add	*1,122.50*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,439.80	116.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*220.59*	
		For Clear Lacquer Finish, Add	*441.18*	
		For Baked Enamel Standard Colors, Add	*661.77*	
		For Anodized Finish, Add	*882.36*	
		For Kynar® Standard Colors Finish, Add	*1,213.24*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	627.74	48.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*53.12*	
		For Clear Lacquer Finish, Add	*106.24*	
		For Baked Enamel Standard Colors, Add	*159.36*	
		For Anodized Finish, Add	*212.48*	
		For Kynar® Standard Colors Finish, Add	*292.17*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	774.46	59.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*65.57*	
		For Clear Lacquer Finish, Add	*131.13*	
		For Baked Enamel Standard Colors, Add	*196.70*	
		For Anodized Finish, Add	*262.26*	
		For Kynar® Standard Colors Finish, Add	*360.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	900.25	66.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*76.66*	
		For Clear Lacquer Finish, Add	*153.32*	
		For Baked Enamel Standard Colors, Add	*229.98*	
		For Anodized Finish, Add	*306.64*	
		For Kynar® Standard Colors Finish, Add	*421.62*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,042.78	70.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*90.17*	
		For Clear Lacquer Finish, Add	*180.34*	
		For Baked Enamel Standard Colors, Add	*270.51*	
		For Anodized Finish, Add	*360.68*	
		For Kynar® Standard Colors Finish, Add	*495.94*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,219.61	76.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.74*	
		For Clear Lacquer Finish, Add	*213.48*	
		For Baked Enamel Standard Colors, Add	*320.22*	
		For Anodized Finish, Add	*426.96*	
		For Kynar® Standard Colors Finish, Add	*587.06*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,351.49	79.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*119.18*	
		For Clear Lacquer Finish, Add	*238.37*	
		For Baked Enamel Standard Colors, Add	*357.55*	
		For Anodized Finish, Add	*476.74*	
		For Kynar® Standard Colors Finish, Add	*655.51*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,467.15	85.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*129.64*	
		For Clear Lacquer Finish, Add	*259.27*	
		For Baked Enamel Standard Colors, Add	*388.91*	
		For Anodized Finish, Add	*518.55*	
		For Kynar® Standard Colors Finish, Add	*713.00*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,641.14	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.92*	
		For Clear Lacquer Finish, Add	*291.84*	
		For Baked Enamel Standard Colors, Add	*437.77*	
		For Anodized Finish, Add	*583.69*	
		For Kynar® Standard Colors Finish, Add	*802.57*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,763.93	96.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*157.09*	
		For Clear Lacquer Finish, Add	*314.17*	
		For Baked Enamel Standard Colors, Add	*471.26*	
		For Anodized Finish, Add	*628.34*	
		For Kynar® Standard Colors Finish, Add	*863.97*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,948.58	102.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*174.44*	
		For Clear Lacquer Finish, Add	*348.88*	
		For Baked Enamel Standard Colors, Add	*523.31*	
		For Anodized Finish, Add	*697.75*	
		For Kynar® Standard Colors Finish, Add	*959.41*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,065.51	105.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*185.39*	
		For Clear Lacquer Finish, Add	*370.78*	
		For Baked Enamel Standard Colors, Add	*556.17*	
		For Anodized Finish, Add	*741.56*	
		For Kynar® Standard Colors Finish, Add	*1,019.64*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,198.81	109.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*197.98*	
		For Clear Lacquer Finish, Add	*395.95*	
		For Baked Enamel Standard Colors, Add	*593.93*	
		For Anodized Finish, Add	*791.90*	
		For Kynar® Standard Colors Finish, Add	*1,088.87*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,329.25	113.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*210.28*	
		For Clear Lacquer Finish, Add	*420.56*	
		For Baked Enamel Standard Colors, Add	*630.83*	
		For Anodized Finish, Add	*841.11*	
		For Kynar® Standard Colors Finish, Add	*1,156.53*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,439.80	116.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*220.59*	
		For Clear Lacquer Finish, Add	*441.18*	
		For Baked Enamel Standard Colors, Add	*661.77*	
		For Anodized Finish, Add	*882.36*	
		For Kynar® Standard Colors Finish, Add	*1,213.24*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,624.29	120.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*238.30*	
		For Clear Lacquer Finish, Add	*476.59*	
		For Baked Enamel Standard Colors, Add	*714.89*	
		For Anodized Finish, Add	*953.18*	
		For Kynar® Standard Colors Finish, Add	*1,310.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	724.06	51.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*62.01*	
		For Clear Lacquer Finish, Add	*124.02*	
		For Baked Enamel Standard Colors, Add	*186.03*	
		For Anodized Finish, Add	*248.04*	
		For Kynar® Standard Colors Finish, Add	*341.06*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	895.66	63.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*76.94*	
		For Clear Lacquer Finish, Add	*153.89*	
		For Baked Enamel Standard Colors, Add	*230.83*	
		For Anodized Finish, Add	*307.77*	
		For Kynar® Standard Colors Finish, Add	*423.19*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,043.81	74.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*89.53*	
		For Clear Lacquer Finish, Add	*179.06*	
		For Baked Enamel Standard Colors, Add	*268.59*	
		For Anodized Finish, Add	*358.12*	
		For Kynar® Standard Colors Finish, Add	*492.42*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,199.14	77.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*104.32*	
		For Clear Lacquer Finish, Add	*208.64*	
		For Baked Enamel Standard Colors, Add	*312.96*	
		For Anodized Finish, Add	*417.28*	
		For Kynar® Standard Colors Finish, Add	*573.77*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,405.69	81.68
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.23*	
		For Clear Lacquer Finish, Add	*248.47*	
		For Baked Enamel Standard Colors, Add	*372.70*	
		For Anodized Finish, Add	*496.93*	
		For Kynar® Standard Colors Finish, Add	*683.28*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,549.64	85.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.89*	
		For Clear Lacquer Finish, Add	*275.77*	
		For Baked Enamel Standard Colors, Add	*413.66*	
		For Anodized Finish, Add	*551.54*	
		For Kynar® Standard Colors Finish, Add	*758.37*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,688.07	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*150.62*	
		For Clear Lacquer Finish, Add	*301.23*	
		For Baked Enamel Standard Colors, Add	*451.85*	
		For Anodized Finish, Add	*602.46*	
		For Kynar® Standard Colors Finish, Add	*828.38*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,850.69	96.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*165.76*	
		For Clear Lacquer Finish, Add	*331.52*	
		For Baked Enamel Standard Colors, Add	*497.29*	
		For Anodized Finish, Add	*663.05*	
		For Kynar® Standard Colors Finish, Add	*911.69*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,988.40	102.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*178.42*	
		For Clear Lacquer Finish, Add	*356.84*	
		For Baked Enamel Standard Colors, Add	*535.26*	
		For Anodized Finish, Add	*713.68*	
		For Kynar® Standard Colors Finish, Add	*981.31*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,200.23	109.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*198.12*	
		For Clear Lacquer Finish, Add	*396.24*	
		For Baked Enamel Standard Colors, Add	*594.35*	
		For Anodized Finish, Add	*792.47*	
		For Kynar® Standard Colors Finish, Add	*1,089.65*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,332.97	115.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*210.28*	
		For Clear Lacquer Finish, Add	*420.56*	
		For Baked Enamel Standard Colors, Add	*630.83*	
		For Anodized Finish, Add	*841.11*	
		For Kynar® Standard Colors Finish, Add	*1,156.53*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,474.08	118.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.65*	
		For Clear Lacquer Finish, Add	*447.29*	
		For Baked Enamel Standard Colors, Add	*670.94*	
		For Anodized Finish, Add	*894.59*	
		For Kynar® Standard Colors Finish, Add	*1,230.06*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,618.05	122.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.30*	
		For Clear Lacquer Finish, Add	*474.60*	
		For Baked Enamel Standard Colors, Add	*711.90*	
		For Anodized Finish, Add	*949.20*	
		For Kynar® Standard Colors Finish, Add	*1,305.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,742.80	126.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*249.03*	
		For Clear Lacquer Finish, Add	*498.07*	
		For Baked Enamel Standard Colors, Add	*747.10*	
		For Anodized Finish, Add	*996.14*	
		For Kynar® Standard Colors Finish, Add	*1,369.69*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,948.63	129.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*268.87*	
		For Clear Lacquer Finish, Add	*537.75*	
		For Baked Enamel Standard Colors, Add	*806.62*	
		For Anodized Finish, Add	*1,075.50*	
		For Kynar® Standard Colors Finish, Add	*1,478.81*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	764.19	55.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*65.28*	
		For Clear Lacquer Finish, Add	*130.56*	
		For Baked Enamel Standard Colors, Add	*195.84*	
		For Anodized Finish, Add	*261.12*	
		For Kynar® Standard Colors Finish, Add	*359.05*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	944.34	66.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.07*	
		For Clear Lacquer Finish, Add	*162.14*	
		For Baked Enamel Standard Colors, Add	*243.20*	
		For Anodized Finish, Add	*324.27*	
		For Kynar® Standard Colors Finish, Add	*445.87*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,100.30	77.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*94.44*	
		For Clear Lacquer Finish, Add	*188.87*	
		For Baked Enamel Standard Colors, Add	*283.31*	
		For Anodized Finish, Add	*377.75*	
		For Kynar® Standard Colors Finish, Add	*519.40*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,268.59	83.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.15*	
		For Clear Lacquer Finish, Add	*220.30*	
		For Baked Enamel Standard Colors, Add	*330.46*	
		For Anodized Finish, Add	*440.61*	
		For Kynar® Standard Colors Finish, Add	*605.84*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,490.07	87.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*131.56*	
		For Clear Lacquer Finish, Add	*263.11*	
		For Baked Enamel Standard Colors, Add	*394.67*	
		For Anodized Finish, Add	*526.23*	
		For Kynar® Standard Colors Finish, Add	*723.56*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,641.85	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.99*	
		For Clear Lacquer Finish, Add	*291.99*	
		For Baked Enamel Standard Colors, Add	*437.98*	
		For Anodized Finish, Add	*583.97*	
		For Kynar® Standard Colors Finish, Add	*802.96*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,789.53	96.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.65*	
		For Clear Lacquer Finish, Add	*319.29*	
		For Baked Enamel Standard Colors, Add	*478.94*	
		For Anodized Finish, Add	*638.58*	
		For Kynar® Standard Colors Finish, Add	*878.05*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,957.67	100.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*175.72*	
		For Clear Lacquer Finish, Add	*351.44*	
		For Baked Enamel Standard Colors, Add	*527.15*	
		For Anodized Finish, Add	*702.87*	
		For Kynar® Standard Colors Finish, Add	*966.45*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,101.78	105.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*189.02*	
		For Clear Lacquer Finish, Add	*378.03*	
		For Baked Enamel Standard Colors, Add	*567.05*	
		For Anodized Finish, Add	*756.06*	
		For Kynar® Standard Colors Finish, Add	*1,039.59*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,332.97	115.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*210.28*	
		For Clear Lacquer Finish, Add	*420.56*	
		For Baked Enamel Standard Colors, Add	*630.83*	
		For Anodized Finish, Add	*841.11*	
		For Kynar® Standard Colors Finish, Add	*1,156.53*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,479.22	120.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.79*	
		For Clear Lacquer Finish, Add	*447.58*	
		For Baked Enamel Standard Colors, Add	*671.37*	
		For Anodized Finish, Add	*895.16*	
		For Kynar® Standard Colors Finish, Add	*1,230.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,624.61	124.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.59*	
		For Clear Lacquer Finish, Add	*475.17*	
		For Baked Enamel Standard Colors, Add	*712.76*	
		For Anodized Finish, Add	*950.34*	
		For Kynar® Standard Colors Finish, Add	*1,306.72*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,772.12	128.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*251.59*	
		For Clear Lacquer Finish, Add	*503.19*	
		For Baked Enamel Standard Colors, Add	*754.78*	
		For Anodized Finish, Add	*1,006.38*	
		For Kynar® Standard Colors Finish, Add	*1,383.77*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,910.40	131.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*264.68*	
		For Clear Lacquer Finish, Add	*529.36*	
		For Baked Enamel Standard Colors, Add	*794.04*	
		For Anodized Finish, Add	*1,058.72*	
		For Kynar® Standard Colors Finish, Add	*1,455.73*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,129.73	135.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*285.87*	
		For Clear Lacquer Finish, Add	*571.74*	
		For Baked Enamel Standard Colors, Add	*857.61*	
		For Anodized Finish, Add	*1,143.48*	
		For Kynar® Standard Colors Finish, Add	*1,572.29*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	812.86	59.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*69.41*	
		For Clear Lacquer Finish, Add	*138.81*	
		For Baked Enamel Standard Colors, Add	*208.22*	
		For Anodized Finish, Add	*277.62*	
		For Kynar® Standard Colors Finish, Add	*381.73*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	997.98	70.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*85.69*	
		For Clear Lacquer Finish, Add	*171.38*	
		For Baked Enamel Standard Colors, Add	*257.07*	
		For Anodized Finish, Add	*342.76*	
		For Kynar® Standard Colors Finish, Add	*471.30*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,157.51	81.68
		Note: Includes bird screen.		
		For Flange Frame, Add	*99.42*	
		For Clear Lacquer Finish, Add	*198.83*	
		For Baked Enamel Standard Colors, Add	*298.25*	
		For Anodized Finish, Add	*397.66*	
		For Kynar® Standard Colors Finish, Add	*546.78*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,337.18	87.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.27*	
		For Clear Lacquer Finish, Add	*232.54*	
		For Baked Enamel Standard Colors, Add	*348.80*	
		For Anodized Finish, Add	*465.07*	
		For Kynar® Standard Colors Finish, Add	*639.47*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,571.45	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*138.95*	
		For Clear Lacquer Finish, Add	*277.91*	
		For Baked Enamel Standard Colors, Add	*416.86*	
		For Anodized Finish, Add	*555.81*	
		For Kynar® Standard Colors Finish, Add	*764.24*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,729.64	94.68
		Note: Includes bird screen.		
		For Flange Frame, Add	*154.03*	
		For Clear Lacquer Finish, Add	*308.06*	
		For Baked Enamel Standard Colors, Add	*462.09*	
		For Anodized Finish, Add	*616.12*	
		For Kynar® Standard Colors Finish, Add	*847.16*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,887.98	100.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*168.75*	
		For Clear Lacquer Finish, Add	*337.50*	
		For Baked Enamel Standard Colors, Add	*506.25*	
		For Anodized Finish, Add	*675.00*	
		For Kynar® Standard Colors Finish, Add	*928.12*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,066.08	103.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*185.82*	
		For Clear Lacquer Finish, Add	*371.63*	
		For Baked Enamel Standard Colors, Add	*557.45*	
		For Anodized Finish, Add	*743.26*	
		For Kynar® Standard Colors Finish, Add	*1,021.99*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,220.85	109.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.18*	
		For Clear Lacquer Finish, Add	*400.36*	
		For Baked Enamel Standard Colors, Add	*600.54*	
		For Anodized Finish, Add	*800.72*	
		For Kynar® Standard Colors Finish, Add	*1,100.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,466.97	118.81
		For Flange Frame, Add	*222.94*	
		For Clear Lacquer Finish, Add	*445.87*	
		For Baked Enamel Standard Colors, Add	*668.81*	
		For Anodized Finish, Add	*891.74*	
		For Kynar® Standard Colors Finish, Add	*1,226.15*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,620.35	124.38
		For Flange Frame, Add	*237.16*	
		For Clear Lacquer Finish, Add	*474.32*	
		For Baked Enamel Standard Colors, Add	*711.48*	
		For Anodized Finish, Add	*948.64*	
		For Kynar® Standard Colors Finish, Add	*1,304.37*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,780.81	129.95
		For Flange Frame, Add	*252.09*	
		For Clear Lacquer Finish, Add	*504.18*	
		For Baked Enamel Standard Colors, Add	*756.28*	
		For Anodized Finish, Add	*1,008.37*	
		For Kynar® Standard Colors Finish, Add	*1,386.51*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,928.32	133.66
		For Flange Frame, Add	*266.10*	
		For Clear Lacquer Finish, Add	*532.20*	
		For Baked Enamel Standard Colors, Add	*798.30*	
		For Anodized Finish, Add	*1,064.40*	
		For Kynar® Standard Colors Finish, Add	*1,463.56*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,075.84	137.37
		For Flange Frame, Add	*280.11*	
		For Clear Lacquer Finish, Add	*560.22*	
		For Baked Enamel Standard Colors, Add	*840.33*	
		For Anodized Finish, Add	*1,120.44*	
		For Kynar® Standard Colors Finish, Add	*1,540.61*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,309.40	141.08
		For Flange Frame, Add	*302.72*	
		For Clear Lacquer Finish, Add	*605.45*	
		For Baked Enamel Standard Colors, Add	*908.17*	
		For Anodized Finish, Add	*1,210.90*	
		For Kynar® Standard Colors Finish, Add	*1,664.98*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	852.28	63.12
		For Flange Frame, Add	*72.61*	
		For Clear Lacquer Finish, Add	*145.21*	
		For Baked Enamel Standard Colors, Add	*217.82*	
		For Anodized Finish, Add	*290.42*	
		For Kynar® Standard Colors Finish, Add	*399.33*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,045.23	74.26
		For Flange Frame, Add	*89.67*	
		For Clear Lacquer Finish, Add	*179.34*	
		For Baked Enamel Standard Colors, Add	*269.02*	
		For Anodized Finish, Add	*358.69*	
		For Kynar® Standard Colors Finish, Add	*493.20*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,221.82	85.39
		For Flange Frame, Add	*105.10*	
		For Clear Lacquer Finish, Add	*210.21*	
		For Baked Enamel Standard Colors, Add	*315.31*	
		For Anodized Finish, Add	*420.42*	
		For Kynar® Standard Colors Finish, Add	*578.07*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,407.18	90.96
		For Flange Frame, Add	*122.53*	
		For Clear Lacquer Finish, Add	*245.05*	
		For Baked Enamel Standard Colors, Add	*367.58*	
		For Anodized Finish, Add	*490.10*	
		For Kynar® Standard Colors Finish, Add	*673.89*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,656.39	94.68
		For Flange Frame, Add	*146.70*	
		For Clear Lacquer Finish, Add	*293.41*	
		For Baked Enamel Standard Colors, Add	*440.11*	
		For Anodized Finish, Add	*586.82*	
		For Kynar® Standard Colors Finish, Add	*806.87*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,823.81	98.39
		For Flange Frame, Add	*162.70*	
		For Clear Lacquer Finish, Add	*325.41*	
		For Baked Enamel Standard Colors, Add	*488.11*	
		For Anodized Finish, Add	*650.82*	
		For Kynar® Standard Colors Finish, Add	*894.87*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,985.72	103.96
		For Flange Frame, Add	*177.78*	
		For Clear Lacquer Finish, Add	*355.56*	
		For Baked Enamel Standard Colors, Add	*533.34*	
		For Anodized Finish, Add	*711.12*	
		For Kynar® Standard Colors Finish, Add	*977.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,178.03	107.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*196.27*	
		For Clear Lacquer Finish, Add	*392.54*	
		For Baked Enamel Standard Colors, Add	*588.81*	
		For Anodized Finish, Add	*785.08*	
		For Kynar® Standard Colors Finish, Add	*1,079.48*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,340.63	113.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*211.42*	
		For Clear Lacquer Finish, Add	*422.83*	
		For Baked Enamel Standard Colors, Add	*634.25*	
		For Anodized Finish, Add	*845.66*	
		For Kynar® Standard Colors Finish, Add	*1,162.79*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,601.69	122.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*235.67*	
		For Clear Lacquer Finish, Add	*471.33*	
		For Baked Enamel Standard Colors, Add	*707.00*	
		For Anodized Finish, Add	*942.66*	
		For Kynar® Standard Colors Finish, Add	*1,296.16*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,760.74	128.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*250.46*	
		For Clear Lacquer Finish, Add	*500.91*	
		For Baked Enamel Standard Colors, Add	*751.37*	
		For Anodized Finish, Add	*1,001.82*	
		For Kynar® Standard Colors Finish, Add	*1,377.51*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,935.43	133.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.81*	
		For Clear Lacquer Finish, Add	*533.62*	
		For Baked Enamel Standard Colors, Add	*800.44*	
		For Anodized Finish, Add	*1,067.25*	
		For Kynar® Standard Colors Finish, Add	*1,467.47*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,122.78	137.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*284.80*	
		For Clear Lacquer Finish, Add	*569.61*	
		For Baked Enamel Standard Colors, Add	*854.41*	
		For Anodized Finish, Add	*1,139.22*	
		For Kynar® Standard Colors Finish, Add	*1,566.42*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,291.62	141.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*300.95*	
		For Clear Lacquer Finish, Add	*601.89*	
		For Baked Enamel Standard Colors, Add	*902.84*	
		For Anodized Finish, Add	*1,203.78*	
		For Kynar® Standard Colors Finish, Add	*1,655.20*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,542.97	144.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*325.34*	
		For Clear Lacquer Finish, Add	*650.67*	
		For Baked Enamel Standard Colors, Add	*976.01*	
		For Anodized Finish, Add	*1,301.35*	
		For Kynar® Standard Colors Finish, Add	*1,789.35*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	903.96	68.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*76.66*	
		For Clear Lacquer Finish, Add	*153.32*	
		For Baked Enamel Standard Colors, Add	*229.98*	
		For Anodized Finish, Add	*306.64*	
		For Kynar® Standard Colors Finish, Add	*421.62*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,099.75	79.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*94.01*	
		For Clear Lacquer Finish, Add	*188.02*	
		For Baked Enamel Standard Colors, Add	*282.03*	
		For Anodized Finish, Add	*376.04*	
		For Kynar® Standard Colors Finish, Add	*517.06*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,283.44	90.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.15*	
		For Clear Lacquer Finish, Add	*220.30*	
		For Baked Enamel Standard Colors, Add	*330.46*	
		For Anodized Finish, Add	*440.61*	
		For Kynar® Standard Colors Finish, Add	*605.84*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,474.51	96.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*128.14*	
		For Clear Lacquer Finish, Add	*256.29*	
		For Baked Enamel Standard Colors, Add	*384.43*	
		For Anodized Finish, Add	*512.58*	
		For Kynar® Standard Colors Finish, Add	*704.79*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,740.78	100.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*154.03*	
		For Clear Lacquer Finish, Add	*308.06*	
		For Baked Enamel Standard Colors, Add	*462.09*	
		For Anodized Finish, Add	*616.12*	
		For Kynar® Standard Colors Finish, Add	*847.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,913.90	103.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*170.60*	
		For Clear Lacquer Finish, Add	*341.20*	
		For Baked Enamel Standard Colors, Add	*511.79*	
		For Anodized Finish, Add	*682.39*	
		For Kynar® Standard Colors Finish, Add	*938.29*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,079.19	107.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*186.39*	
		For Clear Lacquer Finish, Add	*372.77*	
		For Baked Enamel Standard Colors, Add	*559.16*	
		For Anodized Finish, Add	*745.54*	
		For Kynar® Standard Colors Finish, Add	*1,025.12*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,282.17	111.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.94*	
		For Clear Lacquer Finish, Add	*411.88*	
		For Baked Enamel Standard Colors, Add	*617.82*	
		For Anodized Finish, Add	*823.76*	
		For Kynar® Standard Colors Finish, Add	*1,132.67*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,453.32	116.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*221.94*	
		For Clear Lacquer Finish, Add	*443.88*	
		For Baked Enamel Standard Colors, Add	*665.82*	
		For Anodized Finish, Add	*887.76*	
		For Kynar® Standard Colors Finish, Add	*1,220.68*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,729.29	126.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*247.68*	
		For Clear Lacquer Finish, Add	*495.37*	
		For Baked Enamel Standard Colors, Add	*743.05*	
		For Anodized Finish, Add	*990.73*	
		For Kynar® Standard Colors Finish, Add	*1,362.26*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,895.47	131.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*263.19*	
		For Clear Lacquer Finish, Add	*526.37*	
		For Baked Enamel Standard Colors, Add	*789.56*	
		For Anodized Finish, Add	*1,052.74*	
		For Kynar® Standard Colors Finish, Add	*1,447.52*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,085.80	137.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*281.11*	
		For Clear Lacquer Finish, Add	*562.21*	
		For Baked Enamel Standard Colors, Add	*843.32*	
		For Anodized Finish, Add	*1,124.42*	
		For Kynar® Standard Colors Finish, Add	*1,546.08*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,284.51	141.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*300.24*	
		For Clear Lacquer Finish, Add	*600.47*	
		For Baked Enamel Standard Colors, Add	*900.71*	
		For Anodized Finish, Add	*1,200.94*	
		For Kynar® Standard Colors Finish, Add	*1,651.29*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,452.82	146.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*315.95*	
		For Clear Lacquer Finish, Add	*631.90*	
		For Baked Enamel Standard Colors, Add	*947.85*	
		For Anodized Finish, Add	*1,263.80*	
		For Kynar® Standard Colors Finish, Add	*1,737.73*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,719.08	150.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*341.84*	
		For Clear Lacquer Finish, Add	*683.67*	
		For Baked Enamel Standard Colors, Add	*1,025.51*	
		For Anodized Finish, Add	*1,367.34*	
		For Kynar® Standard Colors Finish, Add	*1,880.09*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	948.52	74.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*80.00*	
		For Clear Lacquer Finish, Add	*160.00*	
		For Baked Enamel Standard Colors, Add	*240.00*	
		For Anodized Finish, Add	*320.00*	
		For Kynar® Standard Colors Finish, Add	*440.01*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,151.41	85.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.06*	
		For Clear Lacquer Finish, Add	*196.13*	
		For Baked Enamel Standard Colors, Add	*294.19*	
		For Anodized Finish, Add	*392.25*	
		For Kynar® Standard Colors Finish, Add	*539.35*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,344.37	96.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*115.13*	
		For Clear Lacquer Finish, Add	*230.26*	
		For Baked Enamel Standard Colors, Add	*345.39*	
		For Anodized Finish, Add	*460.52*	
		For Kynar® Standard Colors Finish, Add	*633.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,546.08	102.10
		For Flange Frame, Add	*134.19*	
		For Clear Lacquer Finish, Add	*268.38*	
		For Baked Enamel Standard Colors, Add	*402.56*	
		For Anodized Finish, Add	*536.75*	
		For Kynar® Standard Colors Finish, Add	*738.03*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,820.88	105.81
		For Flange Frame, Add	*160.93*	
		For Clear Lacquer Finish, Add	*321.85*	
		For Baked Enamel Standard Colors, Add	*482.78*	
		For Anodized Finish, Add	*643.70*	
		For Kynar® Standard Colors Finish, Add	*885.09*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,023.16	109.53
		For Flange Frame, Add	*180.41*	
		For Clear Lacquer Finish, Add	*360.82*	
		For Baked Enamel Standard Colors, Add	*541.23*	
		For Anodized Finish, Add	*721.64*	
		For Kynar® Standard Colors Finish, Add	*992.26*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,199.12	113.24
		For Flange Frame, Add	*197.27*	
		For Clear Lacquer Finish, Add	*394.53*	
		For Baked Enamel Standard Colors, Add	*591.80*	
		For Anodized Finish, Add	*789.06*	
		For Kynar® Standard Colors Finish, Add	*1,084.96*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,392.16	116.95
		For Flange Frame, Add	*215.83*	
		For Clear Lacquer Finish, Add	*431.65*	
		For Baked Enamel Standard Colors, Add	*647.48*	
		For Anodized Finish, Add	*863.30*	
		For Kynar® Standard Colors Finish, Add	*1,187.04*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,570.96	120.66
		For Flange Frame, Add	*232.96*	
		For Clear Lacquer Finish, Add	*465.93*	
		For Baked Enamel Standard Colors, Add	*698.89*	
		For Anodized Finish, Add	*931.85*	
		For Kynar® Standard Colors Finish, Add	*1,281.30*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,867.57	129.95
		For Flange Frame, Add	*260.77*	
		For Clear Lacquer Finish, Add	*521.54*	
		For Baked Enamel Standard Colors, Add	*782.30*	
		For Anodized Finish, Add	*1,043.07*	
		For Kynar® Standard Colors Finish, Add	*1,434.22*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,274.25	135.51
		For Flange Frame, Add	*200.32*	
		For Clear Lacquer Finish, Add	*400.64*	
		For Baked Enamel Standard Colors, Add	*600.97*	
		For Anodized Finish, Add	*801.29*	
		For Kynar® Standard Colors Finish, Add	*1,101.77*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,234.02	141.08
		For Flange Frame, Add	*295.19*	
		For Clear Lacquer Finish, Add	*590.37*	
		For Baked Enamel Standard Colors, Add	*885.56*	
		For Anodized Finish, Add	*1,180.74*	
		For Kynar® Standard Colors Finish, Add	*1,623.52*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,439.86	144.80
		For Flange Frame, Add	*315.03*	
		For Clear Lacquer Finish, Add	*630.05*	
		For Baked Enamel Standard Colors, Add	*945.08*	
		For Anodized Finish, Add	*1,260.10*	
		For Kynar® Standard Colors Finish, Add	*1,732.64*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,616.68	150.37
		For Flange Frame, Add	*331.60*	
		For Clear Lacquer Finish, Add	*663.19*	
		For Baked Enamel Standard Colors, Add	*994.79*	
		For Anodized Finish, Add	*1,326.38*	
		For Kynar® Standard Colors Finish, Add	*1,823.77*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,903.03	155.93
		For Flange Frame, Add	*359.12*	
		For Clear Lacquer Finish, Add	*718.23*	
		For Baked Enamel Standard Colors, Add	*1,077.35*	
		For Anodized Finish, Add	*1,436.46*	
		For Kynar® Standard Colors Finish, Add	*1,975.14*	

08 91 19 00-0227 Gable Louver Vents *(08 91 19)*
Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0228 Aluminum Gable Louver Vents *(08 91 19 00-0227)*
Note: Includes screen.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0229		**Rectangular Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	157.63	7.27
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	172.48	8.34
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	198.99	9.42
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	218.20	10.02
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	249.03	10.60
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	278.64	12.72
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	323.07	15.89
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	360.10	18.55
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	411.93	22.26
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	515.59	29.67
08 91 19 00-0240		**Square Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	144.28	6.69
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	178.71	8.48
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	224.00	10.01
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	286.04	13.25
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	367.50	19.08
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	463.70	25.95
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	574.84	33.91
08 91 19 00-0248		**Round Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	144.28	6.69
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	178.71	8.48
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	224.00	10.01
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	286.04	13.25
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	367.50	19.08
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	463.76	25.96
08 91 19 00-0255		**Octagonal Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	144.28	6.69
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	157.63	7.27
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	172.48	8.34
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	178.71	8.48
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	198.99	9.42
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	218.20	10.02
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	224.00	10.01
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	249.03	10.60
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	278.64	12.72
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	286.04	13.25
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	323.07	15.89
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	360.10	18.55
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	367.50	19.08
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	411.93	22.26
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	456.36	25.44
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	463.76	25.96
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	515.59	29.67
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	574.84	33.91
08 91 19 00-0274		**Round Top Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	144.28	6.69
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	157.63	7.27
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	172.48	8.34
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	178.71	8.48
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	198.99	9.42
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	218.20	10.02
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	224.00	10.01
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	249.03	10.60
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	278.64	12.72
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	286.04	13.25
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	323.07	15.89
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	360.10	18.55
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	367.50	19.08
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	411.93	22.26
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	456.36	25.44
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	463.76	25.96
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	515.59	29.67
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	574.84	33.91
08 91 19 00-0293		**Triangle Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	300.38	8.34
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	340.27	10.01
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	365.29	10.60
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	418.16	12.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	466.26	13.25
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	381.20	15.89
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	447.30	18.55
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	507.02	19.08
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	574.71	22.26
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	456.36	25.44
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	527.70	25.96
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	608.60	29.67
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	691.11	33.91
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	776.05	38.98

08 91 19 00-0308 Vinyl Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	46.93	6.69
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	56.73	7.27
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	77.42	9.42
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	106.06	10.60
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	74.95	8.48
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	86.62	10.01
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	122.14	13.25
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	178.51	19.08
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	74.95	8.48
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	84.86	9.42
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	109.49	10.60
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	155.48	15.89
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	369.64	25.44
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	73.45	8.34
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	102.39	10.60
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	106.07	12.72
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	243.53	15.89
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	243.53	15.89
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	243.53	15.89
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	243.53	15.89
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	243.53	15.89
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	272.18	25.44
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	272.18	25.44
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	272.18	25.44
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	272.18	25.44

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	4.88	1.71
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	8.64	3.34
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	14.45	4.45
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	15.03	4.45

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	4.12	1.73
		For Colors, Add	*0.07*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	4.08	1.73
		For Colors, Add	*0.06*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001 Foundation Vents *(08 95 16)*

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.41	0.16
08 95 16 00-0003	SI	Aluminum Foundation Vent	0.66	0.16
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	0.72	0.16
08 95 16 00-0005	SI	Plastic Foundation Vent	0.34	0.16

END OF SECTION 08

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance Of Finishes *(09)*

09 01 20 Maintenance Of Plaster And Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002 SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing 13.05
Note: Per location.
09 01 20 91-0003 SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing 10.55
Note: Per location.
09 01 20 91-0004 SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing 9.49
Note: Per location.
09 01 20 91-0005 SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing 8.38
Note: Per location.
09 01 20 91-0006 SF >16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing 7.51
Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0007 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0008 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0009 SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco 22.74
09 01 20 91-0010 SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco 16.50
09 01 20 91-0011 SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco 12.13
09 01 20 91-0012 SF >250 SF, Chip, Clean And Repair Plaster/Stucco 9.64

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001 SF Regrout Floor Tile Including Removal Of Loose Grout 5.96
09 01 30 91-0002 SF Regrout Wall Tile Including Removal Of Loose Grout 7.43

09 01 90 Maintenance Of Painting And Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*
Note: Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 01 90 52-0002 Concrete And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003 SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation 0.34
For Up To 100, Add *0.25*
For >100 To 250, Add *0.12*
For >250 To 500, Add *0.05*
For >5,000 To 10,000, Deduct *-0.02*
For >10,000 To 15,000, Deduct *-0.03*
For >15,000 To 30,000, Deduct *-0.05*
For >30,000, Deduct *-0.07*

09 01 90 52-0004 SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation 0.35
For Up To 100, Add *0.58*
For >100 To 250, Add *0.15*
For >250 To 500, Add *0.07*
For >5,000 To 10,000, Deduct *-0.02*
For >10,000 To 15,000, Deduct *-0.03*
For >15,000 To 30,000, Deduct *-0.05*
For >30,000, Deduct *-0.07*

09 01 90 52-0005 SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation 0.55
For Up To 100, Add *0.90*
For >100 To 250, Add *0.23*
For >250 To 500, Add *0.11*
For >5,000 To 10,000, Deduct *-0.03*
For >10,000 To 15,000, Deduct *-0.05*
For >15,000 To 30,000, Deduct *-0.08*
For >30,000, Deduct *-0.11*

09 01 90 52-0006 SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation 0.51
For Up To 100, Add *1.02*
For >100 To 250, Add *0.26*
For >250 To 500, Add *0.13*
For >5,000 To 10,000, Deduct *-0.03*
For >10,000 To 15,000, Deduct *-0.05*
For >15,000 To 30,000, Deduct *-0.08*
For >30,000, Deduct *-0.10*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0008	SF	Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.13	
		For Up To 100, Add	*2.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.88	
		For Up To 100, Add	*3.52*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.28*	
		For >30,000, Deduct	*-0.37*	
09 01 90 52-0011	SF	Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.59	
		For Heavy Condition Where Multiple Pass Is Required, Add	*1.30*	
		For Up To 100, Add	*4.64*	
		For >100 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.38*	
		For >30,000, Deduct	*-0.50*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.26	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.07*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.46	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.12*	
09 01 90 52-0015	SF	Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	0.85	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.20*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.33	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.51	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.38	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	0.99	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.20*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.38	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.81	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.63	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.71	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.39*	
		For >30,000, Deduct	*-0.52*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.05	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.30*	
		For >30,000, Deduct	*-0.39*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.54	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.24*	
		For >15,000 To 30,000, Deduct	*-0.37*	
		For >30,000, Deduct	*-0.49*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.29	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.41*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 30,000, Deduct	*-0.48*	
		For >30,000, Deduct	*-0.63*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	4.12	
		For Up To 100, Add	*2.59*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.39*	
		For >15,000 To 30,000, Deduct	*-0.60*	
		For >30,000, Deduct	*-0.79*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.30	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	30.36	
		For Up To 100, Add	*22.61*	
		For >100 To 250, Add	*10.55*	
		For >250 To 500, Add	*4.52*	
		For >5,000 To 10,000, Deduct	*-1.51*	
		For >10,000 To 15,000, Deduct	*-3.03*	
		For >15,000 To 30,000, Deduct	*-4.55*	
		For >30,000, Deduct	*-6.06*	
09 01 90 52-0034	SF	Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.28	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.00	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.20*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.31	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.66	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.61	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0041	SF	Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.41	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	0.84	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.56	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.65	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.30	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0048	SF	Hand Wash,Vinyl Siding Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0049	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.34	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.64	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*

Note: Based on total project quantity.

09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.34	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0053	SF	Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	

09 01 90 52-0054 Prep Work *(09 01 90 52-0001)*

09 01 90 52-0055	SF	Citrus Strip, Single Applications	0.82	

09 01 90 91 Paint Restoration *(09 01 90)*

09 01 90 91-0001 Paint Removal, Strip To Bare Wood *(09 01 90 91)*

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	5.53	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	5.90	

09 20 Plaster And Gypsum Board *(09)*

09 21 Plaster And Gypsum Board Assemblies *(09 20)*

09 21 00 00-0001 Interior Partition Wall Assembly *(09 21)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 21 00 00-0002	SF	Interior Partition Wall Assembly. Metal Studs With Tracks And Runners Note: Includes 18 gauge 3-5/8" metal studs 16" on center with tracks, runners, and channel, one layer 5/8" drywall on each side, level 4 finish, one primer coat and two finish coats of latex paint.	14.07	2.58
		For Curved Wall, Add	*3.07*	

09 22 Supports For Plaster And Gypsum Board *(09 20)*

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

09 22 13 13-0001 Hat Furring Channel *(09 22 13 13)*
Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	2.97	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.35*	
		For 12" On Center, Add	*0.47*	
		For 22 Gauge, Add	*0.47*	
		For 20 Gauge, Add	*0.74*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	3.20	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.40*	
		For 12" On Center, Add	*0.52*	
		For 22 Gauge, Add	*0.58*	
		For 20 Gauge, Add	*0.89*	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	4.27	1.85
		For Columns And Beams >10' High, Add	*0.74*	
		For 24" On Center, Deduct	*-0.49*	
		For 12" On Center, Add	*0.67*	
		For 22 Gauge, Add	*0.57*	
		For 20 Gauge, Add	*0.94*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	4.49	1.85
		For Columns And Beams >10' High, Add	*0.74*	
		For 24" On Center, Deduct	*-0.53*	
		For 12" On Center, Add	*0.71*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.08*	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	3.91	1.48
		For Ceilings >10' High, Add	*0.44*	
		For 24" On Center, Deduct	*-0.49*	
		For 12" On Center, Add	*0.63*	
		For 22 Gauge, Add	*0.70*	
		For 20 Gauge, Add	*1.07*	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.14	1.48
		For Ceilings >10' High, Add	*0.44*	
		For 24" On Center, Deduct	*-0.53*	
		For 12" On Center, Add	*0.68*	
		For 22 Gauge, Add	*0.81*	
		For 20 Gauge, Add	*1.22*	

09 22 13 13-0011 Z Furring Channel *(09 22 13 13)*

09 22 13 13-0012 Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.58	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.28*	
		For 12" On Center, Add	*0.40*	
		For 22 Gauge, Add	*0.27*	
		For 20 Gauge, Add	*0.48*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.62	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.28*	
		For 12" On Center, Add	*0.40*	
		For 22 Gauge, Add	*0.29*	
		For 20 Gauge, Add	*0.51*	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.65	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.29*	
		For 12" On Center, Add	*0.41*	
		For 22 Gauge, Add	*0.31*	
		For 20 Gauge, Add	*0.53*	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.68	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.30*	
		For 12" On Center, Add	*0.42*	
		For 22 Gauge, Add	*0.32*	
		For 20 Gauge, Add	*0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.70	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.30*	
		For 12" On Center, Add	*0.42*	
		For 22 Gauge, Add	*0.33*	
		For 20 Gauge, Add	*0.56*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*

Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	2.78	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.32*	
		For 12" On Center, Add	*0.44*	
		For 20 Gauge, Add	*0.61*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	3.34	1.48
		For Ceilings >10' High, Add	*0.44*	
		For 24" On Center, Deduct	*-0.37*	
		For 12" On Center, Add	*0.52*	
		For 20 Gauge, Add	*0.69*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*

Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	2.93	1.20
		For Walls >10' High, Add	*0.36*	
		For 24" On Center, Deduct	*-0.35*	
		For 12" On Center, Add	*0.47*	
		For 20 Gauge, Add	*0.71*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	3.49	1.48
		For Ceilings >10' High, Add	*0.44*	
		For 24" On Center, Deduct	*-0.40*	
		For 12" On Center, Add	*0.55*	
		For 20 Gauge, Add	*0.79*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	1.88	0.50
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.38*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.19*	
		For Soffit, Columns Or Beams >10' High, Add	*1.56*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Curved Wall, Add	*0.38*	
		For 12" On Center, Add	*0.31*	
		For 24" On Center, Deduct	*-0.31*	
		For Up To 100, Add	*0.63*	
		For >100 To 300, Add	*0.31*	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.00	0.52
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.40*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.25*	
		For Soffit, Columns Or Beams >10' High, Add	*1.64*	
		For Horizontal Installation Up To 10' High, Add	*0.40*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Curved Wall, Add	*0.39*	
		For 12" On Center, Add	*0.33*	
		For 24" On Center, Deduct	*-0.33*	
		For Up To 100, Add	*0.66*	
		For >100 To 300, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.19	0.54
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.44*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.32*	
		For Soffit, Columns Or Beams >10' High, Add	*1.74*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Curved Wall, Add	*0.41*	
		For 12" On Center, Add	*0.37*	
		For 24" On Center, Deduct	*-0.37*	
		For Up To 100, Add	*0.71*	
		For >100 To 300, Add	*0.36*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.34	0.57
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.47*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.39*	
		For Soffit, Columns Or Beams >10' High, Add	*1.82*	
		For Horizontal Installation Up To 10' High, Add	*0.45*	
		For Horizontal Installation >10' High, Add	*0.59*	
		For Curved Wall, Add	*0.43*	
		For 12" On Center, Add	*0.40*	
		For 24" On Center, Deduct	*-0.40*	
		For Up To 100, Add	*0.76*	
		For >100 To 300, Add	*0.38*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.62	0.60
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.48*	
		For Soffit, Columns Or Beams >10' High, Add	*1.93*	
		For Horizontal Installation Up To 10' High, Add	*0.49*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Curved Wall, Add	*0.46*	
		For 12" On Center, Add	*0.45*	
		For 24" On Center, Deduct	*-0.45*	
		For Up To 100, Add	*0.83*	
		For >100 To 300, Add	*0.41*	

09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.12	0.51
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.42*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.24*	
		For Soffit, Columns Or Beams >10' High, Add	*1.62*	
		For Horizontal Installation Up To 10' High, Add	*0.40*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Curved Wall, Add	*0.38*	
		For 12" On Center, Add	*0.36*	
		For 24" On Center, Deduct	*-0.36*	
		For Up To 100, Add	*0.68*	
		For >100 To 300, Add	*0.34*	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.34	0.54
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.47*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.31*	
		For Soffit, Columns Or Beams >10' High, Add	*1.72*	
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Curved Wall, Add	*0.41*	
		For 12" On Center, Add	*0.40*	
		For 24" On Center, Deduct	*-0.40*	
		For Up To 100, Add	*0.74*	
		For >100 To 300, Add	*0.37*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.58	0.56
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.39*	
		For Soffit, Columns Or Beams >10' High, Add	*1.81*	
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Curved Wall, Add	*0.42*	
		For 12" On Center, Add	*0.45*	
		For 24" On Center, Deduct	*-0.45*	
		For Up To 100, Add	*0.80*	
		For >100 To 300, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners	2.75	0.59
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.55*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.46*	
		For Soffit, Columns Or Beams >10' High, Add	*1.90*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.48*	
		For 24" On Center, Deduct	*-0.48*	
		For Up To 100, Add	*0.85*	
		For >100 To 300, Add	*0.42*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.82	0.62
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.76*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.62*	
		For Soffit, Columns Or Beams >10' High, Add	*2.09*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.77*	
		For Curved Wall, Add	*0.47*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
		For Up To 100, Add	*1.07*	
		For >100 To 300, Add	*0.54*	

09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.23	0.54
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.65*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.43*	
		For Soffit, Columns Or Beams >10' High, Add	*1.84*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*0.67*	
		For Curved Wall, Add	*0.41*	
		For 12" On Center, Add	*0.58*	
		For 24" On Center, Deduct	*-0.58*	
		For Up To 100, Add	*0.92*	
		For >100 To 300, Add	*0.46*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.57	0.57
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.71*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.52*	
		For Soffit, Columns Or Beams >10' High, Add	*1.95*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.72*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.64*	
		For 24" On Center, Deduct	*-0.64*	
		For Up To 100, Add	*1.00*	
		For >100 To 300, Add	*0.50*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.83	0.60
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.77*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.60*	
		For Soffit, Columns Or Beams >10' High, Add	*2.06*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.46*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
		For Up To 100, Add	*1.07*	
		For >100 To 300, Add	*0.54*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.00	0.63
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.00*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.78*	
		For Soffit, Columns Or Beams >10' High, Add	*2.26*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*0.90*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.92*	
		For 24" On Center, Deduct	*-0.92*	
		For Up To 100, Add	*1.32*	
		For >100 To 300, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.43	0.67
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.09*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.88*	
		For Soffit, Columns Or Beams >10' High, Add	*2.38*	
		For Horizontal Installation Up To 10' High, Add	*0.79*	
		For Horizontal Installation >10' High, Add	*0.96*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*1.00*	
		For 24" On Center, Deduct	*-1.00*	
		For Up To 100, Add	*1.42*	
		For >100 To 300, Add	*0.71*	
09 22 16 13-0019		16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*		
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.42	0.56
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.68*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.47*	
		For Soffit, Columns Or Beams >10' High, Add	*1.89*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Curved Wall, Add	*0.42*	
		For 12" On Center, Add	*0.61*	
		For 24" On Center, Deduct	*-0.61*	
		For Up To 100, Add	*0.97*	
		For >100 To 300, Add	*0.48*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.03	0.59
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.81*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.59*	
		For Soffit, Columns Or Beams >10' High, Add	*2.03*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.77*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.73*	
		For 24" On Center, Deduct	*-0.73*	
		For Up To 100, Add	*1.10*	
		For >100 To 300, Add	*0.55*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.26	0.62
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.85*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.67*	
		For Soffit, Columns Or Beams >10' High, Add	*2.13*	
		For Horizontal Installation Up To 10' High, Add	*0.66*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Curved Wall, Add	*0.47*	
		For 12" On Center, Add	*0.77*	
		For 24" On Center, Deduct	*-0.77*	
		For Up To 100, Add	*1.16*	
		For >100 To 300, Add	*0.58*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.38	0.65
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.08*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.84*	
		For Soffit, Columns Or Beams >10' High, Add	*2.33*	
		For Horizontal Installation Up To 10' High, Add	*0.78*	
		For Horizontal Installation >10' High, Add	*0.95*	
		For Curved Wall, Add	*0.49*	
		For 12" On Center, Add	*0.99*	
		For 24" On Center, Deduct	*-0.99*	
		For Up To 100, Add	*1.40*	
		For >100 To 300, Add	*0.70*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.93	0.68
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.19*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.96*	
		For Soffit, Columns Or Beams >10' High, Add	*2.47*	
		For Horizontal Installation Up To 10' High, Add	*0.85*	
		For Horizontal Installation >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.51*	
		For 12" On Center, Add	*1.10*	
		For 24" On Center, Deduct	*-1.10*	
		For Up To 100, Add	*1.53*	
		For >100 To 300, Add	*0.76*	

09 22 26 Suspension Systems *(09 22)*

09 22 26 23 Metal Suspension Systems *(09 22 26)*

09 22 26 23-0001 Suspended Ceiling Support System *(09 22 26 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 26 23-0002	SF	Suspended Ceiling Support System, 1-1/2" Main, 48" On Center With 3/4" Furred Channel, 12" On Center With Clips And Rods	3.22	0.88
		For Ceilings >10' High, Add	*0.30*	
09 22 26 23-0003	SF	Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1" x 1/8" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center	3.51	0.88
		For Ceilings >10' High, Add	*0.40*	
09 22 26 23-0004	SF	Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1/4" Threaded Rod And 3" x 3" x 3/16" Steel Angles 4' On Center (GAT System)	3.44	0.88
		For Ceilings >10' High, Add	*0.40*	
09 22 26 23-0005	SF	Aluminum Metal Pan Suspended Ceiling Support System, 1-1/2" x 3/4" Galvanized Steel Channel Mains, 48" On Center Suspended By 1" x 3/16" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center	3.92	0.88
		For Ceilings >10' High, Add	*0.41*	

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	0.98	0.33
		For Walls >10' High, Add	*0.08*	
		For Up To 100, Add	*0.33*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.34	0.38
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.70	0.44
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.44*	
		For >100 To 500, Add	*0.22*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.26	0.46
		For Ceilings >10' High, Add	*0.14*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.66	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.06	0.62
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	1.52	0.60
		For Columns And Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	1.97	0.69
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.41	0.79
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.79*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	

09 22 36 13-0011 Firestop Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.35	0.33
		For Walls >10' High, Add	*0.08*	
		For Up To 100, Add	*0.33*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.57	0.38
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	1.63	0.46
		For Ceilings >10' High, Add	*0.14*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	1.89	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	1.89	0.60
		For Columns And Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.20	0.69
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0018		Foil Back Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.35	0.33
		For Walls >10' High, Add	*0.08*	
		For Up To 100, Add	*0.33*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.57	0.38
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.38*	
		For >100 To 500, Add	*0.19*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.63	0.46
		For Ceilings >10' High, Add	*0.14*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.89	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	1.89	0.60
		For Columns And Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.20	0.69
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		Flat Diamond, Expanded Metal Lath *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.58	0.46
		For Walls >10' High, Add	*0.13*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
09 22 36 23-0003	SF	2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.66	0.46
		For Walls >10' High, Add	*0.13*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
09 22 36 23-0004	SF	2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.73	0.46
		For Walls >10' High, Add	*0.13*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
09 22 36 23-0005	SF	3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.99	0.49
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0006	SF	1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.73	0.52
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0007	SF	2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.81	0.52
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0008	SF	2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.88	0.52
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0009	SF	3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.07	0.52
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0010	SF	1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.28	0.73
		For Columns And Beams >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0011	SF	2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.35	0.73
		For Columns And Beams >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0012	SF	2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.42	0.73
		For Columns And Beams >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0013	SF	3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.02	0.93
		For Columns And Beams >10' High, Add	*0.31*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	

09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.65	0.49
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0016	SF	2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.73	0.49
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0017	SF	2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.80	0.49
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0018	SF	3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.99	0.49
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0019	SF	1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.69	0.93
		For Columns And Beams >10' High, Add	*0.31*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0020	SF	2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.76	0.93
		For Columns And Beams >10' High, Add	*0.31*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0021	SF	2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.83	0.93
		For Columns And Beams >10' High, Add	*0.31*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0022	SF	3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.31	1.06
		For Columns And Beams >10' High, Add	*0.35*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.17*	
		For >100 To 500, Add	*0.59*	
		For >5,000, Deduct	*-0.23*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024	SF	2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	1.94	0.52
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 22 36 23-0025	SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.05	0.52
			For Ceilings >10' High, Add	*0.18*	
			For Up To 100, Add	*0.59*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
	09 22 36 23-0026	SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.12	0.52
			For Ceilings >10' High, Add	*0.18*	
			For Up To 100, Add	*0.59*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
	09 22 36 23-0027	SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.24	0.52
			For Ceilings >10' High, Add	*0.18*	
			For Up To 100, Add	*0.59*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

	09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.11	0.52
			For Ceilings >10' High, Add	*0.18*	
			For Up To 100, Add	*0.59*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
	09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.25	0.52
			For Ceilings >10' High, Add	*0.18*	
			For Up To 100, Add	*0.59*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
	09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	2.03	0.49
			For Walls >10' High, Add	*0.14*	
			For Up To 100, Add	*0.55*	
			For >100 To 500, Add	*0.28*	
			For >5,000, Deduct	*-0.11*	
	09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	2.17	0.49
			For Walls >10' High, Add	*0.14*	
			For Up To 100, Add	*0.55*	
			For >100 To 500, Add	*0.28*	
			For >5,000, Deduct	*-0.11*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

	09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	3.03	0.73
	09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	3.04	0.73
	09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	3.10	0.73
	09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	2.92	0.73
	09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	2.89	0.73

09 23 13 00-0007 Trim *(09 23 13)*

	09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	3.16	0.73
			For Vinyl Instead Of Galvanized, Add	*0.15*	
			For Zinc Instead Of Galvanized, Add	*1.03*	
	09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	3.16	0.73
			For Vinyl Instead Of Galvanized, Add	*0.15*	
			For Zinc Instead Of Galvanized, Add	*1.03*	
	09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	3.16	0.73
			For Vinyl Instead Of Galvanized, Add	*0.15*	
			For Zinc Instead Of Galvanized, Add	*1.03*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

	09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications	3.55	0.73

09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

	09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	0.91	
			For Walls >10' High, Add	*0.07*	
			For Horizontal Installation Up To 10' High, Add	*0.10*	
			For Horizontal Installation >10' High, Add	*0.21*	
			For Columns Or Beams Up To 10' High, Add	*0.21*	
			For Columns Or Beams >10' High, Add	*0.32*	
			For Up To 100, Add	*0.35*	
			For >100 To 500, Add	*0.17*	
			For >5,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.67	
		For Walls >10' High, Add	*0.05*	
		For Horizontal Installation Up To 10' High, Add	*0.08*	
		For Horizontal Installation >10' High, Add	*0.15*	
		For Columns Or Beams Up To 10' High, Add	*0.16*	
		For Columns Or Beams >10' High, Add	*0.23*	
		For Up To 100, Add	*0.25*	
		For >100 To 500, Add	*0.13*	
		For >5,000, Deduct	*-0.10*	

09 23 13 00-0016 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	4.22	2.31
		For Walls >10' High, Add	*0.38*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*1.14*	
		For Columns Or Beams Up To 10' High, Add	*1.18*	
		For Columns Or Beams >10' High, Add	*1.75*	
		For Up To 100, Add	*1.91*	
		For >100 To 500, Add	*0.95*	
		For >5,000, Deduct	*-0.76*	
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	4.44	2.19
		For Walls >10' High, Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Columns Or Beams Up To 10' High, Add	*1.10*	
		For Columns Or Beams >10' High, Add	*1.64*	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.89*	
		For >5,000, Deduct	*-0.71*	
09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	4.65	2.19
		For Walls >10' High, Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Columns Or Beams Up To 10' High, Add	*1.10*	
		For Columns Or Beams >10' High, Add	*1.64*	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.89*	
		For >5,000, Deduct	*-0.71*	

09 23 13 00-0020 Three Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	5.15	2.80
		For Walls >10' High, Add	*0.46*	
		For Horizontal Installation Up To 10' High, Add	*0.68*	
		For Horizontal Installation >10' High, Add	*1.37*	
		For Columns Or Beams Up To 10' High, Add	*1.41*	
		For Columns Or Beams >10' High, Add	*2.09*	
		For Up To 100, Add	*2.28*	
		For >100 To 500, Add	*1.14*	
		For >5,000, Deduct	*-0.91*	
09 23 13 00-0022	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	5.27	2.55
		For Walls >10' High, Add	*0.42*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*1.26*	
		For Columns Or Beams Up To 10' High, Add	*1.31*	
		For Columns Or Beams >10' High, Add	*1.94*	
		For Up To 100, Add	*2.11*	
		For >100 To 500, Add	*1.05*	
		For >5,000, Deduct	*-0.84*	
09 23 13 00-0023	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	4.88	2.55
		For Walls >10' High, Add	*0.42*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*1.26*	
		For Columns Or Beams Up To 10' High, Add	*1.30*	
		For Columns Or Beams >10' High, Add	*1.93*	
		For Up To 100, Add	*2.10*	
		For >100 To 500, Add	*1.05*	
		For >5,000, Deduct	*-0.84*	

09 23 13 00-0024 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0025	SF	1 Coat, Brush/Roller Plaster Bonding Agent	0.46	
		For Walls >10' High, Add	*0.04*	
		For Columns Or Beams Up To 10' High, Add	*0.11*	
		For Columns Or Beams >10' High, Add	*0.16*	
		For Ceiling Application Up To 10' High, Add	*0.05*	
		For Ceiling Application >10' High, Add	*0.08*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	3.45	1.56
		For Walls >10' High, Add	*0.25*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.75*	
		For Columns Or Beams Up To 10' High, Add	*0.77*	
		For Columns Or Beams >10' High, Add	*1.15*	
		For Up To 100, Add	*1.25*	
		For >100 To 500, Add	*0.62*	
		For >5,000, Deduct	*-0.50*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	5.16	2.43
		For Walls >10' High, Add	*0.40*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*1.19*	
		For Columns Or Beams Up To 10' High, Add	*1.22*	
		For Columns Or Beams >10' High, Add	*1.82*	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.79*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	5.83	2.74
		For Walls >10' High, Add	*0.45*	
		For Horizontal Installation Up To 10' High, Add	*0.67*	
		For Horizontal Installation >10' High, Add	*1.34*	
		For Columns Or Beams Up To 10' High, Add	*1.38*	
		For Columns Or Beams >10' High, Add	*2.05*	
		For Up To 100, Add	*2.23*	
		For >100 To 500, Add	*1.12*	
		For >5,000, Deduct	*-0.89*	

09 24 23 Cement Stucco *(09 24)*

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	6.29	1.93
		For Walls >10' High, Add	*0.53*	
		For Horizontal Installation Up To 10' High, Add	*0.79*	
		For Horizontal Installation >10' High, Add	*1.58*	
		For Columns Or Beams Up To 10' High, Add	*1.64*	
		For Columns Or Beams >10' High, Add	*2.43*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.11*	
		For Up To 100, Add	*2.64*	
		For >100 To 500, Add	*1.32*	
		For >5,000, Deduct	*-1.06*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	2.81	0.93
		For Walls >10' High, Add	*0.19*	
		For Horizontal Installation Up To 10' High, Add	*0.29*	
		For Horizontal Installation >10' High, Add	*0.58*	
		For Columns Or Beams Up To 10' High, Add	*0.60*	
		For Columns Or Beams >10' High, Add	*0.89*	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.48*	
		For >5,000, Deduct	*-0.39*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.16	0.93
		For Walls >10' High, Add	*0.34*	
		For Horizontal Installation Up To 10' High, Add	*0.51*	
		For Horizontal Installation >10' High, Add	*1.03*	
		For Columns Or Beams Up To 10' High, Add	*1.06*	
		For Columns Or Beams >10' High, Add	*1.58*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.94*	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*0.86*	
		For >5,000, Deduct	*-0.69*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	2.62	0.63
		For Walls >10' High, Add	*0.25*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.75*	
		For Columns Or Beams Up To 10' High, Add	*0.77*	
		For Columns Or Beams >10' High, Add	*1.15*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.94*	
		For Up To 100, Add	*1.25*	
		For >100 To 500, Add	*0.62*	
		For >5,000, Deduct	*-0.50*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	3.27
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	4.18
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	5.21

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 28 Backing Boards And Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	3.07	0.48
		For Up To 50, Add	*2.20*	
		For >50 To 250, Add	*0.38*	
		For >1,000, Deduct	*-0.19*	
		For Installation On Wall, Add	*0.38*	
		For Installation On Ceiling, Add	*0.96*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	3.50	0.57
		For Up To 50, Add	*2.60*	
		For >50 To 250, Add	*0.46*	
		For >1,000, Deduct	*-0.23*	
		For Installation On Wall, Add	*0.46*	
		For Installation On Ceiling, Add	*1.15*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	4.37	0.66
		For Up To 50, Add	*3.10*	
		For >50 To 250, Add	*0.54*	
		For >1,000, Deduct	*-0.27*	
		For Installation On Wall, Add	*0.54*	
		For Installation On Ceiling, Add	*1.34*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	2.20	0.53
		For Up To 50, Add	*1.59*	
		For >50 To 250, Add	*0.28*	
		For >1,000, Deduct	*-0.14*	
		For Installation On Wall, Add	*0.28*	
		For Installation On Ceiling, Add	*0.69*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	2.94	0.61
		For Up To 50, Add	*1.88*	
		For >50 To 250, Add	*0.31*	
		For >1,000, Deduct	*-0.15*	
		For Installation On Wall, Add	*0.31*	
		For Installation On Ceiling, Add	*0.77*	

09 29 Gypsum Board *(09 20)*

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	0.96	0.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.14*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.31*	
		For >128 To 320, Add	*0.19*	
		For >1,536, Deduct	*-0.08*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.03	0.34
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.16*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.34*	
		For >128 To 320, Add	*0.21*	
		For >1,536, Deduct	*-0.09*	
09 29 10 00-0005	SF	1/2" Gypsum Board	1.15	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.27*	
		For Horizontal Installation >10' High, Add	*0.40*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.39*	
		For >128 To 320, Add	*0.24*	
		For >1,536, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0006	SF	5/8" Gypsum Board	1.35	0.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.45*	
		For >128 To 320, Add	*0.27*	
		For >1,536, Deduct	*-0.11*	
09 29 10 00-0007		Fire Rated Gypsum Board Application *(09 29 10 00-0001)*		
09 29 10 00-0008		Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*		
09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	1.43	0.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.49*	
		For >128 To 320, Add	*0.29*	
		For >1,536, Deduct	*-0.11*	
09 29 10 00-0010		Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*		
09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	1.32	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.20*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.44*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.44*	
		For >128 To 320, Add	*0.26*	
		For >1,536, Deduct	*-0.11*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	1.48	0.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.50*	
		For >128 To 320, Add	*0.30*	
		For >1,536, Deduct	*-0.12*	
09 29 10 00-0013		Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*		
09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	2.08	0.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.36*	
		For >1,536, Deduct	*-0.21*	
09 29 10 00-0015		Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Water-resistant gypsum core.		
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	1.27	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.27*	
		For Horizontal Installation >10' High, Add	*0.40*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.41*	
		For >128 To 320, Add	*0.25*	
		For >1,536, Deduct	*-0.11*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	1.65	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.51*	
		For >128 To 320, Add	*0.30*	
		For >1,536, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0018		**Vinyl Faced Gypsum Board Application** *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	2.45	0.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.63*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.30*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	2.57	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.20*	
		For Horizontal Installation Up To 10' High, Add	*0.27*	
		For Horizontal Installation >10' High, Add	*0.40*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.67*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.31*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	2.68	0.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.72*	
		For >128 To 320, Add	*0.40*	
		For >1,536, Deduct	*-0.31*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	2.98	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.44*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.77*	
		For >128 To 320, Add	*0.43*	
		For >1,536, Deduct	*-0.36*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.62	0.45
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*1.12*	
		For >128 To 320, Add	*0.61*	
		For >1,536, Deduct	*-0.59*	
09 29 10 00-0024		**Moisture And Mold Resistant Gypsum Board Application** *(09 29 10 00-0001)*		
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.50	0.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.27*	
		For Horizontal Installation >10' High, Add	*0.40*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.46*	
		For >128 To 320, Add	*0.27*	
		For >1,536, Deduct	*-0.15*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.77	0.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.54*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.17*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	1.77	0.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.44*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.53*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	1.98	0.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.60*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.20*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0029		**Impact Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	2.45	0.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.67*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0031		**Abuse Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	1.82	0.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.55*	
		For >128 To 320, Add	*0.32*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0033		**Noise Reducing Gypsum Board** *(09 29 10 00-0001)*		
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	3.61	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.91*	
		For >128 To 320, Add	*0.50*	
		For >1,536, Deduct	*-0.45*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	4.42	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*1.07*	
		For >128 To 320, Add	*0.58*	
		For >1,536, Deduct	*-0.57*	
09 29 10 00-0036		**Finishing Gypsum Board Applications** *(09 29 10)*		
		Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 10 00-0037		**Finish Gypsum Board Walls, ASTM C840 Level 4** *(09 29 10 00-0036)*		
09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.47	
		For Up To 128, Add	*0.18*	
		For >128 To 320, Add	*0.11*	
		For >5,400, Deduct	*-0.05*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.22*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.11*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.04*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.35*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.63	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.24*	
		For >128 To 320, Add	*0.15*	
		For >5,400, Deduct	*-0.06*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.30*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.15*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.06*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.47*	

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			MINOR		TOTAL DIRECT	DEMOLITION
	CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 29 10 00-0040			**Finish Gypsum Board Ceilings, ASTM C840 Level 4** *(09 29 10 00-0036)*			
09 29 10 00-0041	SF		Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board		0.61	
			For Up To 128, Add		*0.23*	
			For >128 To 320, Add		*0.15*	
			For >5,400, Deduct		*-0.06*	
			For ASTM C840 Level 1 Finish, Deduct		*-0.29*	
			For ASTM C840 Level 2 Finish, Deduct		*-0.15*	
			For ASTM C840 Level 3 Finish, Deduct		*-0.06*	
			For ASTM C840 Level 5 High Quality Finish, Add		*0.45*	
09 29 10 00-0042	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board		0.83	
			Note: Use this task for the entire wall area when the wall is >10' high.			
			For Up To 128, Add		*0.32*	
			For >128 To 320, Add		*0.20*	
			For >5,400, Deduct		*-0.08*	
			For ASTM C840 Level 1 Finish, Deduct		*-0.40*	
			For ASTM C840 Level 2 Finish, Deduct		*-0.20*	
			For ASTM C840 Level 3 Finish, Deduct		*-0.08*	
			For ASTM C840 Level 5 High Quality Finish, Add		*0.62*	
09 29 10 00-0043			**Finish Gypsum Board Vertical Corners, ASTM C840 Level 4** *(09 29 10 00-0036)*			
			Note: Inside or outside gypsum board corners.			
09 29 10 00-0044	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board		0.96	
			For ASTM C840 Level 1 Finish, Deduct		*-0.44*	
			For ASTM C840 Level 2 Finish, Deduct		*-0.22*	
			For ASTM C840 Level 3 Finish, Deduct		*-0.09*	
			For ASTM C840 Level 5 High Quality Finish, Add		*0.70*	
09 29 10 00-0045	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board		1.14	
			Note: Use this task for the entire wall area when the wall is >10' high.			
			For ASTM C840 Level 1 Finish, Deduct		*-0.53*	
			For ASTM C840 Level 2 Finish, Deduct		*-0.27*	
			For ASTM C840 Level 3 Finish, Deduct		*-0.11*	
			For ASTM C840 Level 5 High Quality Finish, Add		*0.84*	
09 29 10 00-0046			**Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)*			
			Note: Inside or outside gypsum board corners.			
09 29 10 00-0047	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board		1.11	
			For ASTM C840 Level 1 Finish, Deduct		*-0.52*	
			For ASTM C840 Level 2 Finish, Deduct		*-0.26*	
			For ASTM C840 Level 3 Finish, Deduct		*-0.10*	
			For ASTM C840 Level 5 High Quality Finish, Add		*0.81*	
09 29 10 00-0048	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board		1.33	
			Note: Use this task for the entire wall area when the wall is >10' high.			
			For ASTM C840 Level 1 Finish, Deduct		*-0.63*	
			For ASTM C840 Level 2 Finish, Deduct		*-0.31*	
			For ASTM C840 Level 3 Finish, Deduct		*-0.13*	
			For ASTM C840 Level 5 High Quality Finish, Add		*0.98*	
09 29 10 00-0049			**Casing And Corner Beads** *(09 29 10)*			
09 29 10 00-0050	LF		Casing, Galvanized Steel J-Bead For Gypsum Board		2.80	0.76
09 29 10 00-0051	LF		Corner Bead, Galvanized Steel For Gypsum Board		2.68	0.76
09 29 10 00-0052			**Preformed Architectural Profiles** *(09 29 10)*			
09 29 10 00-0053			**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*			
09 29 10 00-0054	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		3.75	0.92
09 29 10 00-0055	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		3.78	0.92
09 29 10 00-0056	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		3.90	0.92
09 29 10 00-0057	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		3.96	0.92
09 29 10 00-0058	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.11	0.92
09 29 10 00-0059	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.26	0.92
09 29 10 00-0060	LF		1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.40	0.92
09 29 10 00-0061	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.88	0.92
09 29 10 00-0062	LF		2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		5.35	0.92
09 29 10 00-0063	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		3.85	1.00
09 29 10 00-0064	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		3.85	1.00
09 29 10 00-0065	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.18	1.00
09 29 10 00-0066	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.24	1.00
09 29 10 00-0067	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.45	1.00
09 29 10 00-0068	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.53	1.00
09 29 10 00-0069	LF		1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		4.65	1.00
09 29 10 00-0070	LF		1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		5.19	1.00
09 29 10 00-0071	LF		2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		5.72	1.00
09 29 10 00-0072	LF		3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		7.86	1.15
09 29 10 00-0073	LF		4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board		8.75	1.15
09 29 10 00-0074			**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*			
09 29 10 00-0075	LF		1/2" Aluminum Extrusions, Edge Trim For Gypsum Board		3.45	0.96
09 29 10 00-0076	LF		5/8" Aluminum Extrusions, Edge Trim For Gypsum Board		3.69	0.96
09 29 10 00-0077	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board		4.31	1.06
09 29 10 00-0078	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board		4.53	1.15
09 29 10 00-0079	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board		6.41	0.96
09 29 10 00-0080	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board		6.64	0.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.27	1.06
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.49	1.15
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	3.69	0.96
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	4.22	1.06
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	5.03	1.15
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	3.60	0.61
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	3.65	0.68
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.19	0.76
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.45	0.84
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.70	0.92
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.79	0.92
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.05	0.92
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.56	0.92
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.73	0.92
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.45	1.00
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.50	1.00
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.83	1.00
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.98	1.00
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.10	1.00
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.24	1.00
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.45	1.00
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.98	1.00
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.43	1.00
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.85	1.00
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.57	1.00
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.31	1.00
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.55	1.00
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	8.35	1.00
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	8.44	1.00
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	9.59	1.00
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	7.88	1.00
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	5.54	1.38
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	6.35	1.53
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	7.23	1.83
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	7.35	1.98
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.17	0.92
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.23	0.92
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.29	0.92
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.29	0.92
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.56	0.92
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.68	0.91
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.79	0.92
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.06	0.92
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.50	0.92
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.98	0.92
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.48	1.00
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.54	1.00
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.66	1.00
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.92	1.00
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.04	1.00
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.13	1.00
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.43	1.00
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.90	1.00
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.37	1.00
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.65	1.00
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.31	1.00
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.16	1.09
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.55	1.33
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.94	1.33
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	9.23	0.91
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	8.57	1.33
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	6.15	0.91
09 29 10 00-0148		**Special Conditions Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0149		**Radius Conditions** *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	73.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	73.96	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	73.96	
09 29 10 00-0153		Knee Brace Kit *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	161.09	9.55
09 29 10 00-0155		Wall Bumper Rail *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	22.43	3.81
09 29 10 00-0157		Corners For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	4.79	0.92
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.13	1.00
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.68	1.04
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	6.34	1.09
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	7.68	1.33
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.90	1.49
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.81	1.70
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.12	1.99
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.02	2.65
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	4.79	0.89
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.78	1.20
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	6.32	1.20
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	11.38	1.20
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	16.17	1.49
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	15.52	1.49
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	4.70	1.04
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	4.74	1.00
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	4.76	0.92
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	5.01	1.00
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	6.73	1.09
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	5.91	0.92
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	6.25	1.00
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	9.15	1.09
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	10.05	0.92
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	17.29	1.99
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	18.48	1.99
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	34.20	3.31
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	56.73	4.70
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	5.71	1.03
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.52	1.07
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	7.83	1.31
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.61	1.47
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.62	1.68
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	14.72	1.96
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.72	2.62
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.64	1.96
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.78	1.96
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.73	1.96
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	12.03	1.96
09 29 82		**Gypsum Board Fire Protection** *(09 29)*		
09 29 82 00-0001		Shaft Wall *(09 29 82)* See CSI section 09 29 10 00-0036 for finishing drywall.		
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	5.32	1.91
		For Horizontal Installation Up To 10' High, Add	*1.30*	
		For Horizontal Installation >10' High, Add	*1.91*	
		For Walls >10' High, Add	*0.31*	
		For Up To 128, Add	*1.83*	
		For >128 To 320, Add	*1.11*	
		For >1,536, Deduct	*-0.42*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	6.10	2.30
		For Horizontal Installation Up To 10' High, Add	*1.56*	
		For Horizontal Installation >10' High, Add	*2.29*	
		For Walls >10' High, Add	*0.37*	
		For Up To 128, Add	*2.14*	
		For >128 To 320, Add	*1.30*	
		For >1,536, Deduct	*-0.46*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.06	1.47
		For Horizontal Installation Up To 10' High, Add	*1.00*	
		For Horizontal Installation >10' High, Add	*1.47*	
		For Walls >10' High, Add	*0.24*	
		For Up To 128, Add	*1.60*	
		For >128 To 320, Add	*0.95*	
		For Glass Mat Surfaces, Add	*0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.40	1.54
		For Horizontal Installation Up To 10' High, Add	*1.05*	
		For Horizontal Installation >10' High, Add	*1.55*	
		For Walls >10' High, Add	*0.25*	
		For Up To 128, Add	*1.70*	
		For >128 To 320, Add	*1.00*	
		For Glass Mat Surfaces, Add	*0.25*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.91	1.54
		For Horizontal Installation Up To 10' High, Add	*1.05*	
		For Horizontal Installation >10' High, Add	*1.55*	
		For Walls >10' High, Add	*0.25*	
		For Up To 128, Add	*1.80*	
		For >128 To 320, Add	*1.05*	
		For Glass Mat Surfaces, Add	*0.25*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	6.27	1.62
		For Horizontal Installation Up To 10' High, Add	*1.10*	
		For Horizontal Installation >10' High, Add	*1.62*	
		For Walls >10' High, Add	*0.26*	
		For Up To 128, Add	*1.90*	
		For >128 To 320, Add	*1.11*	
		For Glass Mat Surfaces, Add	*0.25*	

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	10.92	2.29
		For Up To 50, Add	*6.17*	
		For >50 To 250, Add	*0.92*	
		For >1,000, Deduct	*-0.46*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.86*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.96*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	11.05	2.29
		For Up To 50, Add	*6.20*	
		For >50 To 250, Add	*0.92*	
		For >1,000, Deduct	*-0.46*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.86*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.96*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	12.19	1.42
		For Up To 50, Add	*7.34*	
		For >50 To 250, Add	*1.14*	
		For >1,000, Deduct	*-0.57*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.03*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.13*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	11.89	2.77
		For Up To 50, Add	*7.14*	
		For >50 To 250, Add	*1.11*	
		For >1,000, Deduct	*-0.56*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.10*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	12.02	2.77
		For Up To 50, Add	*7.17*	
		For >50 To 250, Add	*1.11*	
		For >1,000, Deduct	*-0.56*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.10*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	13.48	1.76
		For Up To 50, Add	*8.63*	
		For >50 To 250, Add	*1.40*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.22*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	16.08	4.81
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.61*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.71*	
		For Up To 50, Add	*11.23*	
		For >50 To 250, Add	*1.92*	
		For >1,000, Deduct	*-0.96*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	18.01	2.88
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.90*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.00*	
		For Up To 50, Add	*13.16*	
		For >50 To 250, Add	*2.31*	
		For >1,000, Deduct	*-1.15*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	9.61	2.00
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.28*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.33*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	13.59	2.00
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.28*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.33*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	15.11	2.00
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.28*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.33*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	11.07	0.44

09 30 13 00-0014 Residential Ceramic Tiling *(09 30 13)*

09 30 13 00-0015	SF	Mounted Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	8.66	2.29
		For Up To 50, Add	*5.60*	
		For >50 To 250, Add	*0.92*	
		For >1,000, Deduct	*-0.46*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.86*	
09 30 13 00-0016	SF	Mounted Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	9.63	2.77
		For Up To 50, Add	*6.57*	
		For >50 To 250, Add	*1.11*	
		For >1,000, Deduct	*-0.56*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.00*	
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	7.99	2.29
		For Up To 50, Add	*5.43*	
		For >50 To 250, Add	*0.92*	
		For >1,000, Deduct	*-0.46*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.86*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	9.27	1.61
		For Up To 50, Add	*7.12*	
		For >50 To 250, Add	*1.28*	
		For >1,000, Deduct	*-0.64*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.13*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.23*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	18.14	1.61
		For Up To 50, Add	*9.34*	
		For >50 To 250, Add	*1.28*	
		For >1,000, Deduct	*-0.64*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.13*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.23*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile Note: With or without embedded abrasive grit.	10.56	1.91
		For Up To 50, Add	*8.41*	
		For >50 To 250, Add	*1.54*	
		For >1,000, Deduct	*-0.77*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.42*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	19.43	1.91
		For Up To 50, Add	*10.63*	
		For >50 To 250, Add	*1.54*	
		For >1,000, Deduct	*-0.77*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.42*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	12.95	2.12
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.40*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	27.48	2.12
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.40*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 31 13			**Thin-Set Ceramic Tiling** *(09 31)*		
09 31 13 00-0001			Thin-Set Ceramic Tiling *(09 31 13)*		
09 31 13 00-0002		SF	Thin Set - Latex Portland Cement Mortar	1.42	0.76
			For Up To 50, Add	*1.21*	
			For >50 To 250, Add	*0.23*	
			For >1,000, Deduct	*-0.11*	
09 31 13 00-0003		SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.73	
			For Up To 50, Add	*0.73*	
			For >50 To 250, Add	*0.15*	
			For >1,000, Deduct	*-0.07*	
09 32			Mortar-Bed Tiling *(09 30)*		
			Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 32 13			**Mortar-Bed Ceramic Tiling** *(09 32)*		
09 32 13 00-0001			Mortar-Bed Ceramic Tiling *(09 32 13)*		
09 32 13 00-0002		SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.37	1.53
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			For Up To 50, Add	*2.56*	
			For >50 To 250, Add	*0.46*	
			For >1,000, Deduct	*-0.23*	
			For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003		SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.92	2.04
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			For Up To 50, Add	*3.52*	
			For >50 To 250, Add	*0.61*	
			For >1,000, Deduct	*-0.31*	
			For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004		SF	3/4" Portland Cement Plaster Scratch Coat for Walls	10.65	4.58
			Note: Includes 15 LB felt and expanded metal lath.		
			For Up To 50, Add	*9.53*	
			For >50 To 250, Add	*1.83*	
			For >1,000, Deduct	*-0.92*	
			For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
			For Installation Without Felt And Metal Lath, Deduct	*-1.89*	
09 34			Waterproofing-Membrane Tiling *(09 30)*		
09 34 00 00-0001			Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*		
09 34 00 00-0002			Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*		
			Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
09 34 00 00-0003		EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	869.13	
09 34 00 00-0004		EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	997.86	
09 34 00 00-0005		EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,464.24	
09 34 00 00-0006			Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*		
			Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007		EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	105.69	
09 34 00 00-0008		EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	99.71	
09 34 00 00-0009			Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*		
			Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010		EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	206.29	
09 34 00 00-0011		EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	409.65	
09 34 00 00-0012		EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	504.55	
09 34 00 00-0013		EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	368.98	
09 34 00 00-0014		EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	409.65	
09 34 00 00-0015		EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	436.76	
09 34 00 00-0016			Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*		
			Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017		EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	180.25	
09 34 00 00-0018		EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	180.25	
09 34 00 00-0019		EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	275.16	
09 34 00 00-0020			Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*		
09 34 00 00-0021		SF	1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	3.22	
09 34 00 00-0022		SF	5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	3.69	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0023		**Bonded Waterproof Underlayment Membranes (Schluter® KERDI)** *(09 34 00 00-0001)*		
09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	2.86	

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001		**Chemical-Resistant Ceramic Tiling** *(09 35 13)*		
09 35 13 00-0002	SF	Thin Set - Epoxy Mortar Note: Impact and chemical resistant.	3.79	1.00
		For Up To 50, Add	*2.10*	
		For >50 To 250, Add	*0.31*	
		For >1,000, Deduct	*-0.15*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001		**Tile Substrate (Schluter® KERDI BOARD)** *(09 39)*		
09 39 00 00-0002	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.60	0.53
09 39 00 00-0003	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	6.29	0.61
09 39 00 00-0004		**Floor Edge Protection And Transition Profiles For Tile** *(09 39)*		
09 39 00 00-0005	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.65	
09 39 00 00-0006	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.71	
09 39 00 00-0007	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.79	
09 39 00 00-0008	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.92	
09 39 00 00-0009	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.42	
09 39 00 00-0010	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.51	
09 39 00 00-0011	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.59	
09 39 00 00-0012	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.66	
09 39 00 00-0013	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	2.76	
09 39 00 00-0014	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	3.66	
09 39 00 00-0015	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.43	
09 39 00 00-0016	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.59	
09 39 00 00-0017	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.75	
09 39 00 00-0018	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.47	
09 39 00 00-0019	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.54	
09 39 00 00-0020	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.70	
09 39 00 00-0021	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	4.43	
09 39 00 00-0022		**Outside Wall Edge Protection And Transition Profiles For Tile** *(09 39)*		
09 39 00 00-0023	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.52	
09 39 00 00-0024	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.69	
09 39 00 00-0025	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.94	
09 39 00 00-0026	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	4.20	
09 39 00 00-0027	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.86	
09 39 00 00-0028	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.19	
09 39 00 00-0029	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.51	
09 39 00 00-0030	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	5.07	

09 50 Ceilings *(09)*

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001		**Fiberglass Panels** *(09 51 13)*		
09 51 13 00-0002		**Fiberglass Acoustical Panels** *(09 51 13 00-0001)* Note: Includes square edge and class A fire rating.		
09 51 13 00-0003	SF	2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	4.84	0.30
		For Up To 50, Add	*1.07*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.66*	
		For Ceilings >10' High, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0004	SF	2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	5.01	0.30
		For Up To 50, Add	*1.10*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0005	SF	2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	5.35	0.30
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0006	SF	2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	5.31	0.30
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.71*	
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0007	SF	2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.97	0.30
		For Up To 50, Add	*2.29*	
		For >50 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.69*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.47*	
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0008	SF	2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.97	0.30
		For Up To 50, Add	*2.29*	
		For >50 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.69*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.47*	
		For Ceilings >10' High, Add	*0.07*	

09 51 13 00-0009 Mineral Fiber Panels *(09 51 13)*

09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0009)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0011	SF	2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.21	0.30
		For Up To 50, Add	*0.73*	
		For >50 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.15*	
		For Individual Room Quantities <495, Add	*0.42*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0012	SF	2' x 4' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.02	0.30
		For Up To 50, Add	*0.70*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
		For Individual Room Quantities <495, Add	*0.40*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0013	SF	2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.50	0.30
		For Up To 50, Add	*0.78*	
		For >50 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.45*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.41	0.30
		For Up To 50, Add	*0.76*	
		For >50 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.44*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0015	SF	2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.90	0.30
		For Up To 50, Add	*0.99*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.22*	
		For Individual Room Quantities <495, Add	*0.59*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.03	0.30
		For Up To 50, Add	*0.85*	
		For >50 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.50*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0017	SF	2' x 2' x 3/4" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.26	0.30
		For Up To 50, Add	*0.89*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.53*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0018	SF	2' x 4' x 3/4" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.86	0.30
		For Up To 50, Add	*0.83*	
		For >50 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.17*	
		For Individual Room Quantities <495, Add	*0.49*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0019	SF	2' x 2' x 3/4" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.29	0.30
		For Up To 50, Add	*1.04*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.63*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0020	SF	2' x 4' x 3/4" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.28	0.30
		For Up To 50, Add	*1.04*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.63*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0021	SF	2' x 2' x 3/4" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	5.84	0.30
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.78*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0022	SF	2' x 4' x 3/4" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	6.44	0.30
		For Up To 50, Add	*1.37*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.84*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0023	SF	2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.58	0.30
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.76*	
		For Vertical Application, Add	*0.45*	
		For Ceilings >10' High, Add	*0.08*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0024		SF	2' x 4' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.55	0.30
			For Up To 50, Add	*1.23*	
			For >50 To 200, Add	*0.76*	
			For >200 To 500, Add	*0.33*	
			For >2,500 To 4,000, Deduct	*-0.12*	
			For >4,000 To 5,000, Deduct	*-0.19*	
			For >5,000, Deduct	*-0.28*	
			For Individual Room Quantities <495, Add	*0.76*	
			For Vertical Application, Add	*0.45*	
			For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0025		SF	20" x 60" x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617)	2.16	0.30
09 51 13 00-0026		SF	20" x 60" x 5/8" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627)	2.40	0.30

09 51 13 00-0027 Clean Room, Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0009)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0028		SF	2' x 2' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL Unperforated)	5.03	0.46
			For Up To 50, Add	*1.10*	
			For >50 To 200, Add	*0.68*	
			For >200 To 500, Add	*0.30*	
			For >2,500 To 4,000, Deduct	*-0.10*	
			For >4,000 To 5,000, Deduct	*-0.17*	
			For >5,000, Deduct	*-0.25*	
			For Individual Room Quantities <495, Add	*0.68*	
			For Vertical Application, Add	*0.39*	
			For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0029		SF	2' x 4' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL Unperforated)	4.98	0.46
			For Up To 50, Add	*1.09*	
			For >50 To 200, Add	*0.67*	
			For >200 To 500, Add	*0.29*	
			For >2,500 To 4,000, Deduct	*-0.10*	
			For >4,000 To 5,000, Deduct	*-0.17*	
			For >5,000, Deduct	*-0.25*	
			For Individual Room Quantities <495, Add	*0.67*	
			For Vertical Application, Add	*0.38*	
			For Ceilings >10' High, Add	*0.06*	
09 51 13 00-0030		SF	2' x 2' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	8.66	0.46
			For Up To 50, Add	*1.65*	
			For >50 To 200, Add	*1.04*	
			For >200 To 500, Add	*0.48*	
			For >2,500 To 4,000, Deduct	*-0.18*	
			For >4,000 To 5,000, Deduct	*-0.28*	
			For >5,000, Deduct	*-0.40*	
			For Individual Room Quantities <495, Add	*1.04*	
			For Vertical Application, Add	*0.39*	
			For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0031		SF	2' x 4' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	8.64	0.46
			For Up To 50, Add	*1.64*	
			For >50 To 200, Add	*1.03*	
			For >200 To 500, Add	*0.47*	
			For >2,500 To 4,000, Deduct	*-0.18*	
			For >4,000 To 5,000, Deduct	*-0.28*	
			For >5,000, Deduct	*-0.40*	
			For Individual Room Quantities <495, Add	*1.03*	
			For Vertical Application, Add	*0.38*	
			For Ceilings >10' High, Add	*0.06*	
09 51 13 00-0032		SF	2' x 2' x 3/4" Clean Room, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	8.66	0.46
			For Up To 50, Add	*1.65*	
			For >50 To 200, Add	*1.04*	
			For >200 To 500, Add	*0.48*	
			For >2,500 To 4,000, Deduct	*-0.18*	
			For >4,000 To 5,000, Deduct	*-0.28*	
			For >5,000, Deduct	*-0.40*	
			For Individual Room Quantities <495, Add	*1.04*	
			For Vertical Application, Add	*0.39*	
			For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0033		SF	2' x 4' x 3/4" Clean Room, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	8.64	0.46
			For Up To 50, Add	*1.64*	
			For >50 To 200, Add	*1.03*	
			For >200 To 500, Add	*0.47*	
			For >2,500 To 4,000, Deduct	*-0.18*	
			For >4,000 To 5,000, Deduct	*-0.28*	
			For >5,000, Deduct	*-0.40*	
			For Individual Room Quantities <495, Add	*1.03*	
			For Vertical Application, Add	*0.38*	
			For Ceilings >10' High, Add	*0.06*	

09 51 13 00-0034 Vinyl Faced, Gypsum Core Panels *(09 51 13)*

Note: National Gypsum Gold Bond Gridstone.

09 51 13 00-0035		SF	2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	3.66	0.30
			For Up To 50, Add	*0.89*	
			For >50 To 200, Add	*0.54*	
			For >200 To 500, Add	*0.23*	
			For >2,500 To 4,000, Deduct	*-0.08*	
			For >4,000 To 5,000, Deduct	*-0.13*	
			For >5,000, Deduct	*-0.20*	
			For Individual Room Quantities <495, Add	*0.54*	
			For Ceilings >10' High, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0036	SF	2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	3.57	0.30
		For Up To 50, Add	*0.88*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.53*	
		For Ceilings >10' High, Add	*0.06*	

09 51 13 00-0037 Wood Fiber Panels *(09 51 13)*

09 51 13 00-0038	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	3.82	0.46
		For Up To 50, Add	*1.12*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.66*	
		For Ceilings >10' High, Add	*0.10*	
09 51 13 00-0039	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	3.67	0.46
		For Up To 50, Add	*1.04*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.22*	
		For Individual Room Quantities <495, Add	*0.61*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0040	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	4.91	0.46
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.77*	
		For Ceilings >10' High, Add	*0.10*	
09 51 13 00-0041	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	4.76	0.46
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.72*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0042	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	5.96	0.46
		For Up To 50, Add	*1.44*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.87*	
		For Ceilings >10' High, Add	*0.10*	
09 51 13 00-0043	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	5.81	0.46
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.83*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0044	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	4.46	0.46
		For Up To 50, Add	*1.22*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.72*	
		For Ceilings >10' High, Add	*0.10*	
09 51 13 00-0045	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	4.31	0.46
		For Up To 50, Add	*1.13*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.68*	
		For Ceilings >10' High, Add	*0.09*	

09 51 13 00-0046 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0047	SF	Removal And Reinstallation Of Acoustical Panels Only	0.73	
		For Up To 50, Add	*0.40*	
		For >50 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.07*	
		For >2,500 To 4,000, Deduct	*-0.02*	
		For >4,000 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.07*	
		For Ceilings >10' High, Add	*0.05*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	3.76	0.84
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.28*	
		For >2,500, Deduct	*-0.19*	
		For Ceilings >10' High, Add	*0.14*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	4.45	0.84
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500, Deduct	*-0.22*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.28*	
		For Ceilings >10' High, Add	*0.14*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	5.00	0.84
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.51*	
		For >50 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
		For >2,500, Deduct	*-0.25*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.28*	
		For Ceilings >10' High, Add	*0.14*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	3.47	0.84
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500, Deduct	*-0.17*	
		For Ceilings >10' High, Add	*0.14*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001 Acoustical Snap-In Metal Pan Ceilings *(09 51 33 13)*

09 51 33 13-0002 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13-0001)*

09 51 33 13-0003	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	13.50	0.66
		For Up To 50, Add	*2.56*	
		For >50 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.74*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.62*	
		For Ceilings >10' High, Add	*0.10*	
09 51 33 13-0004	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	14.44	0.66
		For Up To 50, Add	*2.70*	
		For >50 To 200, Add	*1.71*	
		For >200 To 500, Add	*0.79*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.66*	
		For Ceilings >10' High, Add	*0.10*	

09 51 33 13-0005 Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13-0001)*

09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.08	0.76
		For Up To 50, Add	*2.12*	
		For >50 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.58*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.50*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.07	0.76
		For Up To 50, Add	*3.17*	
		For >50 To 200, Add	*2.01*	
		For >200 To 500, Add	*0.93*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.77*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.35	0.76
		For Up To 50, Add	*5.61*	
		For >50 To 200, Add	*3.64*	
		For >200 To 500, Add	*1.74*	
		For >2,500 To 4,000, Deduct	*-0.67*	
		For >4,000 To 5,000, Deduct	*-1.03*	
		For >5,000, Deduct	*-1.43*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0009	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.13	0.76
		For Up To 50, Add	*2.88*	
		For >50 To 200, Add	*1.82*	
		For >200 To 500, Add	*0.83*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.70*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.64	0.76
		For Up To 50, Add	*2.21*	
		For >50 To 200, Add	*1.37*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.63	0.76
		For Up To 50, Add	*3.11*	
		For >50 To 200, Add	*1.97*	
		For >200 To 500, Add	*0.91*	
		For >2,500 To 4,000, Deduct	*-0.34*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.76*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.11	0.76
		For Up To 50, Add	*5.58*	
		For >50 To 200, Add	*3.62*	
		For >200 To 500, Add	*1.73*	
		For >2,500 To 4,000, Deduct	*-0.67*	
		For >4,000 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.42*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0013	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.01	0.76
		For Up To 50, Add	*2.86*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.83*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.69*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.70	0.76
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.68*	
		For >200 To 500, Add	*0.76*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.64*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.00	0.76
		For Up To 50, Add	*3.31*	
		For >50 To 200, Add	*2.11*	
		For >200 To 500, Add	*0.98*	
		For >2,500 To 4,000, Deduct	*-0.37*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.81*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.79	0.76
		For Up To 50, Add	*6.13*	
		For >50 To 200, Add	*3.99*	
		For >200 To 500, Add	*1.92*	
		For >2,500 To 4,000, Deduct	*-0.74*	
		For >4,000 To 5,000, Deduct	*-1.13*	
		For >5,000, Deduct	*-1.56*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0017	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.82	0.76
		For Up To 50, Add	*3.29*	
		For >50 To 200, Add	*2.09*	
		For >200 To 500, Add	*0.97*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.80*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.51	0.76
		For Up To 50, Add	*2.79*	
		For >50 To 200, Add	*1.76*	
		For >200 To 500, Add	*0.80*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.67*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.44	0.76
		For Up To 50, Add	*3.38*	
		For >50 To 200, Add	*2.15*	
		For >200 To 500, Add	*1.00*	
		For >2,500 To 4,000, Deduct	*-0.38*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.83*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	38.03	0.76
		For Up To 50, Add	*6.32*	
		For >50 To 200, Add	*4.11*	
		For >200 To 500, Add	*1.98*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.61*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0021	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.25	0.76
		For Up To 50, Add	*3.35*	
		For >50 To 200, Add	*2.13*	
		For >200 To 500, Add	*0.99*	
		For >2,500 To 4,000, Deduct	*-0.37*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.82*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.39	0.76
		For Up To 50, Add	*2.47*	
		For >50 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.59*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.25	0.76
		For Up To 50, Add	*3.65*	
		For >50 To 200, Add	*2.33*	
		For >200 To 500, Add	*1.09*	
		For >2,500 To 4,000, Deduct	*-0.41*	
		For >4,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.90*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	35.98	0.76
		For Up To 50, Add	*6.01*	
		For >50 To 200, Add	*3.90*	
		For >200 To 500, Add	*1.88*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.53*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0025	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.38	0.76
		For Up To 50, Add	*3.22*	
		For >50 To 200, Add	*2.04*	
		For >200 To 500, Add	*0.95*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.79*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.32	0.76
		For Up To 50, Add	*2.61*	
		For >50 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.74*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.62*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.50	0.76
		For Up To 50, Add	*3.69*	
		For >50 To 200, Add	*2.36*	
		For >200 To 500, Add	*1.10*	
		For >2,500 To 4,000, Deduct	*-0.42*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-0.91*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.29	0.76
		For Up To 50, Add	*6.21*	
		For >50 To 200, Add	*4.04*	
		For >200 To 500, Add	*1.94*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.15*	
		For >5,000, Deduct	*-1.58*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0029	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.94	0.76
		For Up To 50, Add	*3.30*	
		For >50 To 200, Add	*2.10*	
		For >200 To 500, Add	*0.97*	
		For >2,500 To 4,000, Deduct	*-0.37*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.81*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.82	0.76
		For Up To 50, Add	*2.09*	
		For >50 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.57*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.48*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.06	0.76
		For Up To 50, Add	*2.87*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.83*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.69*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.28	0.76
		For Up To 50, Add	*5.30*	
		For >50 To 200, Add	*3.43*	
		For >200 To 500, Add	*1.64*	
		For >2,500 To 4,000, Deduct	*-0.63*	
		For >4,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.34*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0033	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.31	0.76
		For Up To 50, Add	*2.76*	
		For >50 To 200, Add	*1.74*	
		For >200 To 500, Add	*0.79*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.66*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.44	0.76
		For Up To 50, Add	*2.18*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.51*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.93	0.76
		For Up To 50, Add	*2.85*	
		For >50 To 200, Add	*1.80*	
		For >200 To 500, Add	*0.82*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.69*	
		For Ceilings >10' High, Add	*0.11*	
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.35	0.76
		For Up To 50, Add	*5.31*	
		For >50 To 200, Add	*3.44*	
		For >200 To 500, Add	*1.64*	
		For >2,500 To 4,000, Deduct	*-0.63*	
		For >4,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.35*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0037	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.31	0.76
		For Up To 50, Add	*2.76*	
		For >50 To 200, Add	*1.74*	
		For >200 To 500, Add	*0.79*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.66*	
		For Ceilings >10' High, Add	*0.11*	

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	10.51	0.57
		For Up To 50, Add	*2.04*	
		For >50 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.58*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.49*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	11.91	0.57
		For Up To 50, Add	*2.25*	
		For >50 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.65*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.53	0.57
		For Up To 50, Add	*3.09*	
		For >50 To 200, Add	*1.98*	
		For >200 To 500, Add	*0.93*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.77*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	14.88	0.57
		For Up To 50, Add	*2.69*	
		For >50 To 200, Add	*1.72*	
		For >200 To 500, Add	*0.80*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.66*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.97	0.57
		For Up To 50, Add	*2.86*	
		For >50 To 200, Add	*1.83*	
		For >200 To 500, Add	*0.86*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.71*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.17	0.57
		For Up To 50, Add	*4.24*	
		For >50 To 200, Add	*2.75*	
		For >200 To 500, Add	*1.32*	
		For >2,500 To 4,000, Deduct	*-0.51*	
		For >4,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.08*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.73	0.57
		For Up To 50, Add	*2.82*	
		For >50 To 200, Add	*1.80*	
		For >200 To 500, Add	*0.84*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.70*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.52	0.57
		For Up To 50, Add	*3.39*	
		For >50 To 200, Add	*2.18*	
		For >200 To 500, Add	*1.03*	
		For >2,500 To 4,000, Deduct	*-0.40*	
		For >4,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.85*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.81	0.57
		For Up To 50, Add	*2.83*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.85*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.70*	
		For Ceilings >10' High, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.64	0.57
		For Up To 50, Add	*3.41*	
		For >50 To 200, Add	*2.19*	
		For >200 To 500, Add	*1.04*	
		For >2,500 To 4,000, Deduct	*-0.40*	
		For >4,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.85*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.89	0.57
		For Up To 50, Add	*2.84*	
		For >50 To 200, Add	*1.82*	
		For >200 To 500, Add	*0.85*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.70*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.56	0.57
		For Up To 50, Add	*3.39*	
		For >50 To 200, Add	*2.19*	
		For >200 To 500, Add	*1.04*	
		For >2,500 To 4,000, Deduct	*-0.40*	
		For >4,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.85*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.89	0.57
		For Up To 50, Add	*2.84*	
		For >50 To 200, Add	*1.82*	
		For >200 To 500, Add	*0.85*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.70*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.71	0.57
		For Up To 50, Add	*3.42*	
		For >50 To 200, Add	*2.20*	
		For >200 To 500, Add	*1.04*	
		For >2,500 To 4,000, Deduct	*-0.40*	
		For >4,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.86*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0017		Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*		
09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	13.58	0.57
		For Up To 50, Add	*2.50*	
		For >50 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.74*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.61*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.20	0.57
		For Up To 50, Add	*2.89*	
		For >50 To 200, Add	*1.85*	
		For >200 To 500, Add	*0.87*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.72*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.39	0.57
		For Up To 50, Add	*3.07*	
		For >50 To 200, Add	*1.97*	
		For >200 To 500, Add	*0.93*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.76*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.33	0.57
		For Up To 50, Add	*2.91*	
		For >50 To 200, Add	*1.86*	
		For >200 To 500, Add	*0.87*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.72*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.76	0.57
		For Up To 50, Add	*2.97*	
		For >50 To 200, Add	*1.91*	
		For >200 To 500, Add	*0.90*	
		For >2,500 To 4,000, Deduct	*-0.34*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.74*	
		For Ceilings >10' High, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.76	0.57
		For Up To 50, Add	*3.12*	
		For >50 To 200, Add	*2.01*	
		For >200 To 500, Add	*0.95*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.78*	
		For Ceilings >10' High, Add	*0.09*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.90	0.57
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.47*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.15	0.57
		For Up To 50, Add	*2.13*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.76	0.57
		For Up To 50, Add	*2.82*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.85*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.70*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.27	0.57
		For Up To 50, Add	*2.15*	
		For >50 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.77	0.57
		For Up To 50, Add	*2.38*	
		For >50 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.58*	
		For Ceilings >10' High, Add	*0.09*	
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.20	0.57
		For Up To 50, Add	*3.04*	
		For >50 To 200, Add	*1.95*	
		For >200 To 500, Add	*0.92*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.76*	
		For Ceilings >10' High, Add	*0.09*	

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	3.17	0.38
		For Fastening To Concrete, Add	*0.99*	
		For Fastening To Steel, Add	*1.05*	
		For Vertical Application, Add	*1.45*	
		For Individual Room Quantities <495, Add	*0.32*	
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.18*	
		For Ceilings >10' High, Add	*0.12*	
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.53	0.38
		For UL Listed (Fire Guard), Add	*0.17*	
		For 1-1/2" Wide Faced Grid, Add	*0.32*	
		For Fastening To Concrete, Add	*0.96*	
		For Fastening To Steel, Add	*1.02*	
		For Vertical Application, Add	*1.22*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.27*	
		For Aluminum T-Bar System, Add	*0.51*	
		For Up To 50, Add	*0.94*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.15*	
		For Ceilings >10' High, Add	*0.10*	
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.08	0.38
		For UL Listed (Fire Guard), Add	*0.12*	
		For 1-1/2" Wide Faced Grid, Add	*0.22*	
		For Fastening To Concrete, Add	*0.95*	
		For Fastening To Steel, Add	*1.01*	
		For Vertical Application, Add	*1.12*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.23*	
		For Aluminum T-Bar System, Add	*0.36*	
		For Up To 50, Add	*0.82*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Ceilings >10' High, Add	*0.10*	
		For Concealed Spline Grid, Add	*0.33*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	1.70	0.38
		For UL Listed (Fire Guard), Add	*0.09*	
		For 1-1/2" Wide Faced Grid, Add	*0.18*	
		For Fastening To Concrete, Add	*0.93*	
		For Fastening To Steel, Add	*0.99*	
		For Vertical Application, Add	*1.07*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.19*	
		For Aluminum T-Bar System, Add	*0.28*	
		For Up To 50, Add	*0.68*	
		For >50 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	
		For Ceilings >10' High, Add	*0.08*	
		For Concealed Spline Grid, Add	*0.26*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	1.49	0.38
		For UL Listed (Fire Guard), Add	*0.09*	
		For 1-1/2" Wide Faced Grid, Add	*0.16*	
		For Fastening To Concrete, Add	*0.91*	
		For Fastening To Steel, Add	*0.97*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.17*	
		For Aluminum T-Bar System, Add	*0.26*	
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.12*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.09*	
		For Ceilings >10' High, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	2.24	0.38
		For UL Listed (Fire Guard), Add	*0.14*	
		For Fastening To Concrete, Add	*0.95*	
		For Fastening To Steel, Add	*1.01*	
		For Vertical Application, Add	*1.12*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.24*	
		For Up To 50, Add	*0.85*	
		For >50 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Ceilings >10' High, Add	*0.10*	
		For Black Grid, Add	*0.12*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	1.82	0.38
		For UL Listed (Fire Guard), Add	*0.11*	
		For Fastening To Concrete, Add	*0.93*	
		For Fastening To Steel, Add	*0.99*	
		For Vertical Application, Add	*1.07*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.20*	
		For Up To 50, Add	*0.70*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.11*	
		For Ceilings >10' High, Add	*0.08*	
		For Black Grid, Add	*0.09*	

09 53 23 00-0009 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	0.91	
		For 304 Stainless Steel, Add	*1.08*	
		For 316 Stainless Steel, Add	*1.22*	
		For Aluminum, Add	*0.07*	
		For Galvanized Steel, Add	*0.24*	
09 53 23 00-0011	LF	1-1/2" Steel Running Channel	5.43	2.37
		For 304 Stainless Steel, Add	*4.22*	
		For 316 Stainless Steel, Add	*4.74*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.92*	
09 53 23 00-0012	EA	Suspended Support Bar For 1-1/2" Channel, Installed 4'-0" On Center Maximum Note: Includes 3" x 3" x 1/8" steel angle, 1" x 1/8" steel flat bar up to 4', drop clips, and 3/8" diameter bolts with nuts and washers.	38.59	13.04
		For 304 Stainless Steel, Add	*34.97*	
		For 316 Stainless Steel, Add	*39.26*	
		For Aluminum, Add	*2.21*	
		For Galvanized Steel, Add	*7.61*	
09 53 23 00-0013	EA	Suspended Support Rod For 1-1/2" Channel, Installed 4'-0" On Center Maximum Note: Includes 3" x 3" x 1/8" steel angle, 1/4" galvanized rod, and gat clip.	21.18	7.11
		For 304 Stainless Steel, Add	*19.81*	
		For 316 Stainless Steel, Add	*22.24*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.31*	
09 53 23 00-0014	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.14	1.07
		For 304 Stainless Steel, Add	*1.54*	
		For 316 Stainless Steel, Add	*1.73*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.33*	
09 53 23 00-0015	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.06	1.15
		For 304 Stainless Steel, Add	*2.37*	
		For 316 Stainless Steel, Add	*2.66*	
		For Aluminum, Add	*0.15*	
		For Galvanized Steel, Add	*0.51*	
09 53 23 00-0016	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	4.18	1.22
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
09 53 23 00-0017	LF	1-1/2" Steel T-Bar Channel	4.81	2.37
		For 304 Stainless Steel, Add	*2.45*	
		For 316 Stainless Steel, Add	*2.75*	
		For Aluminum, Add	*0.15*	
		For Galvanized Steel, Add	*0.53*	
09 53 23 00-0018	LF	1/2" Lay-In Ceiling Angles Note: Use for supporting cove lighting grille in areas without a suspended ceiling system.	2.01	0.68
		For Ceilings >10' High, Add	*0.11*	
09 53 23 00-0019	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	4.96	0.22
09 53 23 00-0020	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	63.52	15.53
09 53 23 00-0021	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	65.99	15.82
09 53 23 00-0022	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	74.94	15.82

09 53 23 00-0023 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0024	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	1.32	
		Note: Suspension system tie wire, wall angles and bracing to remain in place.		
		For Up To 50, Add	*0.73*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.10*	
		For Ceilings >10' High, Add	*0.10*	
09 53 23 00-0025	SF	Removal And Reinstallation Of Grid System Only	0.76	
		Note: Suspension system tie wire, wall angles and bracing to remain in place.		
		For Up To 50, Add	*0.42*	
		For >50 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.08*	
		For >2,500 To 4,000, Deduct	*-0.02*	
		For >4,000 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.06*	
		For Ceilings >10' High, Add	*0.06*	

09 53 33 Plastic Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 33 00-0001 Fiberglass Reinforced Plastic Ceiling Suspension Systems *(09 53 33)*

Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.

09 53 33 00-0002	SF	2' x 2', Fiberglass Reinforced Plastic Ceilings Suspension System	9.74	0.38
		Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		
		For Ceilings >10' High, Add	*0.14*	
09 53 33 00-0003	SF	2' x 4', Fiberglass Reinforced Plastic Ceilings Suspension System	8.56	0.38
		Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		
		For Ceilings >10' High, Add	*0.11*	

09 54 Specialty Ceilings *(09 50)*

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	13.39	1.55
		For Up To 50, Add	*3.49*	
		For >50 To 200, Add	*2.08*	
		For >200 To 500, Add	*0.86*	
		For >2,500, Deduct	*-0.67*	
		For Ceilings >10' High, Add	*0.28*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.39*	
		For Curved Ceilings, Add	*0.97*	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	10.84	1.55
		For Up To 50, Add	*3.08*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.72*	
		For >2,500, Deduct	*-0.54*	
		For Ceilings >10' High, Add	*0.27*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.20*	
		For Curved Ceilings, Add	*0.95*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	9.84	1.55
		For Up To 50, Add	*2.90*	
		For >50 To 200, Add	*1.70*	
		For >200 To 500, Add	*0.67*	
		For >2,500, Deduct	*-0.49*	
		For Ceilings >10' High, Add	*0.27*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-0.80*	
		For Curved Ceilings, Add	*0.94*	

09 54 53 Fiberglass Reinforced Panel Ceilings *(09 54)*

09 54 53 00-0001 Fiberglass Reinforced Plastic Ceiling Panels *(09 54 53)*

09 54 53 00-0002	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class A	4.35	0.38
		Note: Excludes suspension system.		
		For Up To 50, Add	*0.99*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.61*	
		For Ceilings >10' High, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 53 00-0003	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.12" Nominal Thickness, Fire Class A Note: Excludes suspension system.	5.79	0.38
		For Up To 50, Add	*1.22*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.75*	
		For Ceilings >10' High, Add	*0.07*	
09 54 53 00-0004	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class C Note: Excludes suspension system.	2.82	0.38
		For Up To 50, Add	*0.76*	
		For >50 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.45*	
		For Ceilings >10' High, Add	*0.06*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	1.97	1.53
09 61 13 00-0003	LF	2" Anti-Slip Tape	2.47	1.68
09 61 13 00-0004	LF	3" Anti-Slip Tape	2.96	1.85
09 61 13 00-0005	LF	4" Anti-Slip Tape	3.42	2.03
09 61 13 00-0006	LF	6" Anti-Slip Tape	4.32	2.23
09 61 13 00-0007	LF	12" Anti-Slip Tape	7.52	3.35
09 61 13 00-0008	LF	24" Anti-Slip Tape	10.67	5.03

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	24.82	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	28.22	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	15.24	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	18.33	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	16.62	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	20.72	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	17.95	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	23.14	7.80
		For Basket Weave Pattern, Add	*1.67*	
		For Herringbone Pattern, Add	*2.22*	
		For Epoxy Joints, Add	*4.50*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	12.49	4.40

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0001		**Wood Flooring Underlayment** *(09 64 13)*		
09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.39	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.39	
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.41	
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.45	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.41	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.44	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.53	
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.59	
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.61	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.73	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.78	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.93	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.95	
09 64 23		**Wood Parquet Flooring** *(09 64)*		
09 64 23 00-0001		**Hardwood Parquet Flooring** *(09 64 23)*		
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	7.75	0.76
		For Up To 20, Add	*3.31*	
		For >20 To 50, Add	*1.73*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29		**Wood Strip And Plank Flooring** *(09 64)*		
		Note: All wood strip flooring is unfinished, tongue and groove.		
09 64 29 00-0001		**Unfinished Fir, Wood Strip Flooring** *(09 64 29)*		
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	9.86	0.76
		For Factory Finish, Add	*0.64*	
		For Random Width Floor, Add	*2.29*	
		For Up To 20, Add	*3.02*	
		For >20 To 50, Add	*1.67*	
		For >50 To 100, Add	*0.84*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0003		**Unfinished Oak, Wood Strip Flooring** *(09 64 29)*		
09 64 29 00-0004		**Unfinished White Oak, Wood Strip Flooring** *(09 64 29 00-0003)*		
09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	7.84	0.76
		For Factory Finish, Add	*0.34*	
		For Random Width Floor, Add	*1.74*	
		For Up To 20, Add	*3.20*	
		For >20 To 50, Add	*1.68*	
		For >50 To 100, Add	*0.84*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	8.28	0.76
		For Factory Finish, Add	*0.38*	
		For Random Width Floor, Add	*1.85*	
		For Up To 20, Add	*3.26*	
		For >20 To 50, Add	*1.73*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	8.94	0.76
		For Factory Finish, Add	*0.45*	
		For Random Width Floor, Add	*2.01*	
		For Up To 20, Add	*3.36*	
		For >20 To 50, Add	*1.79*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	6.93	0.76
		For Factory Finish, Add	*0.35*	
		For Random Width Floor, Add	*1.56*	
		For Up To 20, Add	*2.58*	
		For >20 To 50, Add	*1.38*	
		For >50 To 100, Add	*0.69*	
		For >100 To 300, Add	*0.34*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	7.28	0.76
		For Factory Finish, Add	*0.39*	
		For Random Width Floor, Add	*1.65*	
		For Up To 20, Add	*2.64*	
		For >20 To 50, Add	*1.41*	
		For >50 To 100, Add	*0.71*	
		For >100 To 300, Add	*0.35*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	7.95	0.76
		For Factory Finish, Add	*0.45*	
		For Random Width Floor, Add	*1.82*	
		For Up To 20, Add	*2.74*	
		For >20 To 50, Add	*1.48*	
		For >50 To 100, Add	*0.74*	
		For >100 To 300, Add	*0.37*	
09 64 29 00-0011		**Unfinished Red Oak, Wood Strip Flooring** *(09 64 29 00-0003)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	7.92	0.76
			For Factory Finish, Add	*0.34*	
			For Random Width Floor, Add	*1.76*	
			For Up To 20, Add	*3.21*	
			For >20 To 50, Add	*1.69*	
			For >50 To 100, Add	*0.85*	
			For >100 To 300, Add	*0.42*	
	09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	8.35	0.76
			For Factory Finish, Add	*0.39*	
			For Random Width Floor, Add	*1.86*	
			For Up To 20, Add	*3.27*	
			For >20 To 50, Add	*1.73*	
			For >50 To 100, Add	*0.87*	
			For >100 To 300, Add	*0.43*	
	09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	9.01	0.76
			For Factory Finish, Add	*0.45*	
			For Random Width Floor, Add	*2.03*	
			For Up To 20, Add	*3.37*	
			For >20 To 50, Add	*1.80*	
			For >50 To 100, Add	*0.90*	
			For >100 To 300, Add	*0.45*	
	09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	7.00	0.76
			For Factory Finish, Add	*0.36*	
			For Random Width Floor, Add	*1.58*	
			For Up To 20, Add	*2.59*	
			For >20 To 50, Add	*1.39*	
			For >50 To 100, Add	*0.69*	
			For >100 To 300, Add	*0.35*	
	09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	7.44	0.76
			For Factory Finish, Add	*0.40*	
			For Random Width Floor, Add	*1.69*	
			For Up To 20, Add	*2.66*	
			For >20 To 50, Add	*1.43*	
			For >50 To 100, Add	*0.72*	
			For >100 To 300, Add	*0.36*	
	09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	8.02	0.76
			For Factory Finish, Add	*0.46*	
			For Random Width Floor, Add	*1.83*	
			For Up To 20, Add	*2.75*	
			For >20 To 50, Add	*1.49*	
			For >50 To 100, Add	*0.74*	
			For >100 To 300, Add	*0.37*	
	09 64 29 00-0018		Unfinished Maple, Wood Strip Flooring *(09 64 29)*		
	09 64 29 00-0019		25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*		
	09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	9.52	0.76
			For Factory Finish, Add	*0.50*	
			For Random Width Floor, Add	*2.16*	
			For Up To 20, Add	*3.45*	
			For >20 To 50, Add	*1.85*	
			For >50 To 100, Add	*0.93*	
			For >100 To 300, Add	*0.46*	
	09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	8.79	0.76
			For Factory Finish, Add	*0.43*	
			For Random Width Floor, Add	*1.97*	
			For Up To 20, Add	*3.34*	
			For >20 To 50, Add	*1.78*	
			For >50 To 100, Add	*0.89*	
			For >100 To 300, Add	*0.44*	
	09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	8.75	0.76
			For Factory Finish, Add	*0.53*	
			For Random Width Floor, Add	*2.02*	
			For Up To 20, Add	*2.86*	
			For >20 To 50, Add	*1.56*	
			For >50 To 100, Add	*0.78*	
			For >100 To 300, Add	*0.39*	
	09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	8.02	0.76
			For Factory Finish, Add	*0.46*	
			For Random Width Floor, Add	*1.83*	
			For Up To 20, Add	*2.75*	
			For >20 To 50, Add	*1.49*	
			For >50 To 100, Add	*0.74*	
			For >100 To 300, Add	*0.37*	
	09 64 29 00-0024		33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*		
	09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	11.09	0.76
			For Factory Finish, Add	*0.66*	
			For Random Width Floor, Add	*2.55*	
			For Up To 20, Add	*3.68*	
			For >20 To 50, Add	*2.01*	
			For >50 To 100, Add	*1.00*	
			For >100 To 300, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	10.11	0.76
		For Factory Finish, Add	*0.56*	
		For Random Width Floor, Add	*2.30*	
		For Up To 20, Add	*3.54*	
		For >20 To 50, Add	*1.91*	
		For >50 To 100, Add	*0.95*	
		For >100 To 300, Add	*0.48*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.42	0.76
		For Factory Finish, Add	*0.70*	
		For Random Width Floor, Add	*2.43*	
		For Up To 20, Add	*3.11*	
		For >20 To 50, Add	*1.73*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	9.45	0.76
		For Factory Finish, Add	*0.60*	
		For Random Width Floor, Add	*2.19*	
		For Up To 20, Add	*2.96*	
		For >20 To 50, Add	*1.63*	
		For >50 To 100, Add	*0.82*	
		For >100 To 300, Add	*0.41*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	10.28	0.76
		For Up To 20, Add	*2.89*	
		For >20 To 50, Add	*1.63*	
		For >50 To 100, Add	*0.81*	
		For >100 To 300, Add	*0.41*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	10.28	0.76
		For Up To 20, Add	*2.89*	
		For >20 To 50, Add	*1.63*	
		For >50 To 100, Add	*0.81*	
		For >100 To 300, Add	*0.41*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	9.96	0.76
		For Up To 20, Add	*2.84*	
		For >20 To 50, Add	*1.60*	
		For >50 To 100, Add	*0.80*	
		For >100 To 300, Add	*0.40*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	10.20	0.76
		For Up To 20, Add	*2.88*	
		For >20 To 50, Add	*1.62*	
		For >50 To 100, Add	*0.81*	
		For >100 To 300, Add	*0.41*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors *(09 64 66)*

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	11.17	3.81
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0003	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	14.96	4.96
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0004	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	15.89	4.96
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	17.91	4.96
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0006	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	16.99	4.96
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
09 64 66 00-0007	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	19.08	4.96
		For #1 Grade Material, Add	*0.50*	
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 66 00-0008			Prefinished Wood Exercise/Dance Floors *(09 64 66)* Note: Includes factory sanded, sealed and finished beech and vent cove base. Excludes concrete repairs to subbase and thresholds.		
09 64 66 00-0009		SF	Prefinished Floating 7/8" Beech Wood Exercise/Dance Floor System, One Layer Of 3/4" Exeraire Air Cushioning Suspension System With Clips (Exerflex Classic) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" Exeraire air cushioning suspension system and heavy duty spring tempered steel retaining clips.	28.80	3.81

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001			Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)* Note: Includes inside and outside corners.		
09 65 13 13-0002		LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	2.74	0.95
			For Up To 20, Add	*1.17*	
			For >20 To 40, Add	*0.65*	
			For >40 To 80, Add	*0.23*	
			For >240 To 960, Deduct	*-0.18*	
			For >960, Deduct	*-0.27*	
09 65 13 13-0003		LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.06	0.95
			For Up To 20, Add	*1.22*	
			For >20 To 40, Add	*0.69*	
			For >40 To 80, Add	*0.25*	
			For >240 To 960, Deduct	*-0.21*	
			For >960, Deduct	*-0.32*	
09 65 13 13-0004		LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.75	0.95
			For Up To 20, Add	*1.32*	
			For >20 To 40, Add	*0.76*	
			For >40 To 80, Add	*0.28*	
			For >240 To 960, Deduct	*-0.28*	
			For >960, Deduct	*-0.42*	
09 65 13 13-0005			Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)* Note: Includes inside and outside corners.		
09 65 13 13-0006		LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	2.95	0.95
			For Up To 20, Add	*1.20*	
			For >20 To 40, Add	*0.68*	
			For >40 To 80, Add	*0.24*	
			For >240 To 960, Deduct	*-0.20*	
			For >960, Deduct	*-0.30*	
09 65 13 13-0007		LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.19	0.95
			For Up To 20, Add	*1.24*	
			For >20 To 40, Add	*0.70*	
			For >40 To 80, Add	*0.25*	
			For >240 To 960, Deduct	*-0.22*	
			For >960, Deduct	*-0.34*	
09 65 13 13-0008		LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.85	0.95
			For Up To 20, Add	*1.34*	
			For >20 To 40, Add	*0.77*	
			For >40 To 80, Add	*0.29*	
			For >240 To 960, Deduct	*-0.29*	
			For >960, Deduct	*-0.44*	
09 65 13 13-0009		LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.78	0.95
			For Up To 20, Add	*1.48*	
			For >20 To 40, Add	*0.86*	
			For >40 To 80, Add	*0.33*	
			For >240 To 960, Deduct	*-0.38*	
			For >960, Deduct	*-0.57*	
09 65 13 13-0010		LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.99	0.95
			For Up To 20, Add	*1.51*	
			For >20 To 40, Add	*0.88*	
			For >40 To 80, Add	*0.34*	
			For >240 To 960, Deduct	*-0.40*	
			For >960, Deduct	*-0.61*	
09 65 13 13-0011		LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.03	0.95
			For Up To 20, Add	*1.66*	
			For >20 To 40, Add	*0.98*	
			For >40 To 80, Add	*0.40*	
			For >240 To 960, Deduct	*-0.51*	
			For >960, Deduct	*-0.76*	
09 65 13 13-0012		LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.10	0.95
			For Up To 20, Add	*1.98*	
			For >20 To 40, Add	*1.19*	
			For >40 To 80, Add	*0.50*	
			For >240 To 960, Deduct	*-0.72*	
			For >960, Deduct	*-1.07*	
09 65 13 13-0013			Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)* Note: Includes inside and outside corners.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0014	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.21	1.15
		For Up To 20, Add	*1.24*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.34*	
09 65 13 13-0015	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.22	0.95
		For Up To 20, Add	*1.24*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.34*	
09 65 13 13-0016	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.57	1.15
		For Up To 20, Add	*1.60*	
		For >20 To 40, Add	*0.91*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.34*	
		For >960, Deduct	*-0.51*	

09 65 13 23 Resilient Stair Treads And Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	11.37	1.53
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.23	1.64
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.76	1.75
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	10.75	1.53
		Note: Smooth surface.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	11.48	1.64
		Note: Smooth surface.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	13.84	1.76
		Note: Smooth surface.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	6.26	0.91

09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*

09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats	16.25	1.41
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats	19.37	1.53
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats	21.07	1.72
		Note: Smooth, raised disc or other patterned surface.		

09 65 13 23-0016 Vinyl Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0017 Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*

09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	11.30	1.39
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	12.48	1.53
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	14.94	1.65
		For Abrasive Strip, Add	*2.75*	

09 65 13 23-0021 Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*

09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	6.32	0.91

09 65 13 33 Resilient Accessories *(09 65 13)*

09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*

09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.29	0.76

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 33-0003		SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.95	0.76
09 65 13 33-0004			**Concrete Floor Prep** *(09 65 13 33)*		
09 65 13 33-0005		SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	0.95	
09 65 13 36			**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001			**Vinyl Transition Strip** *(09 65 13 36)*		
09 65 13 36-0002		LF	Vinyl Transition Strip, Brown Or Black	1.52	0.68
			For Up To 20, Add	*0.61*	
			For >20 To 40, Add	*0.34*	
			For >40 To 80, Add	*0.12*	
			For >240 To 960, Deduct	*-0.10*	
			For >960, Deduct	*-0.16*	
09 65 13 36-0003		LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	1.40	0.68
			For Up To 20, Add	*0.59*	
			For >20 To 40, Add	*0.33*	
			For >40 To 80, Add	*0.12*	
			For >240 To 960, Deduct	*-0.09*	
			For >960, Deduct	*-0.14*	
09 65 13 36-0004		LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.25	0.68
			For Up To 20, Add	*0.57*	
			For >20 To 40, Add	*0.32*	
			For >40 To 80, Add	*0.11*	
			For >240 To 960, Deduct	*-0.08*	
			For >960, Deduct	*-0.12*	
09 65 13 36-0005			**Vinyl, Wheeled Traffic Transitions** *(09 65 13 36)*		
09 65 13 36-0006		LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	2.68	0.95
			For Up To 20, Add	*1.01*	
			For >20 To 40, Add	*0.57*	
			For >40 To 80, Add	*0.21*	
			For >240 To 960, Deduct	*-0.19*	
			For >960, Deduct	*-0.29*	
09 65 13 36-0007		LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	2.68	0.95
			For Up To 20, Add	*1.01*	
			For >20 To 40, Add	*0.57*	
			For >40 To 80, Add	*0.21*	
			For >240 To 960, Deduct	*-0.19*	
			For >960, Deduct	*-0.29*	
09 65 13 36-0008		LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	3.19	0.95
			For Up To 20, Add	*1.09*	
			For >20 To 40, Add	*0.63*	
			For >40 To 80, Add	*0.24*	
			For >240 To 960, Deduct	*-0.24*	
			For >960, Deduct	*-0.36*	
09 65 13 36-0009		LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	5.00	0.95
			For Up To 20, Add	*1.36*	
			For >20 To 40, Add	*0.81*	
			For >40 To 80, Add	*0.33*	
			For >240 To 960, Deduct	*-0.42*	
			For >960, Deduct	*-0.64*	
09 65 13 36-0010		LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	5.01	0.95
			For Up To 20, Add	*1.36*	
			For >20 To 40, Add	*0.81*	
			For >40 To 80, Add	*0.33*	
			For >240 To 960, Deduct	*-0.42*	
			For >960, Deduct	*-0.64*	
09 65 13 36-0011		LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	3.46	0.95
			For Up To 20, Add	*1.13*	
			For >20 To 40, Add	*0.65*	
			For >40 To 80, Add	*0.25*	
			For >240 To 960, Deduct	*-0.27*	
			For >960, Deduct	*-0.40*	
09 65 13 36-0012		LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	4.88	0.95
			For Up To 20, Add	*1.34*	
			For >20 To 40, Add	*0.79*	
			For >40 To 80, Add	*0.32*	
			For >240 To 960, Deduct	*-0.41*	
			For >960, Deduct	*-0.62*	
09 65 13 36-0013		LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	5.05	0.95
			For Up To 20, Add	*1.37*	
			For >20 To 40, Add	*0.81*	
			For >40 To 80, Add	*0.33*	
			For >240 To 960, Deduct	*-0.43*	
			For >960, Deduct	*-0.64*	
09 65 13 36-0014		LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	4.32	0.95
			For Up To 20, Add	*1.26*	
			For >20 To 40, Add	*0.74*	
			For >40 To 80, Add	*0.29*	
			For >240 To 960, Deduct	*-0.36*	
			For >960, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	4.67	0.95
		For Up To 20, Add	*1.31*	
		For >20 To 40, Add	*0.77*	
		For >40 To 80, Add	*0.31*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.59*	
09 65 13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	5.05	0.95
		For Up To 20, Add	*1.37*	
		For >20 To 40, Add	*0.81*	
		For >40 To 80, Add	*0.33*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.64*	
09 65 13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	4.25	0.95
		For Up To 20, Add	*1.25*	
		For >20 To 40, Add	*0.73*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.52*	
09 65 13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	3.65	0.95
		For Up To 20, Add	*1.16*	
		For >20 To 40, Add	*0.67*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.43*	
09 65 13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	5.17	0.95
		For Up To 20, Add	*1.39*	
		For >20 To 40, Add	*0.82*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	6.54	0.95
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.96*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.58*	
		For >960, Deduct	*-0.87*	
09 65 13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	3.56	0.95
		For Up To 20, Add	*1.15*	
		For >20 To 40, Add	*0.66*	
		For >40 To 80, Add	*0.25*	
		For >240 To 960, Deduct	*-0.28*	
		For >960, Deduct	*-0.42*	
09 65 13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	3.61	0.95
		For Up To 20, Add	*1.15*	
		For >20 To 40, Add	*0.67*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.28*	
		For >960, Deduct	*-0.43*	
09 65 13 36-0023	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	4.04	0.95
		For Up To 20, Add	*1.22*	
		For >20 To 40, Add	*0.71*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.33*	
		For >960, Deduct	*-0.49*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®)	6.73	0.57
		For Up To 40, Add	*2.87*	
		For >40 To 100, Add	*1.43*	
		For >1,000, Deduct	*-0.56*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™)	5.54	0.57
		For Up To 40, Add	*2.63*	
		For >40 To 100, Add	*1.31*	
		For >1,000, Deduct	*-0.44*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®)	3.69	0.57
		For Up To 40, Add	*2.26*	
		For >40 To 100, Add	*1.13*	
		For >1,000, Deduct	*-0.25*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™)	4.72	0.57
		For Up To 40, Add	*2.47*	
		For >40 To 100, Add	*1.23*	
		For >1,000, Deduct	*-0.36*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®)	6.25	0.57
		For Up To 40, Add	*2.77*	
		For >40 To 100, Add	*1.39*	
		For >1,000, Deduct	*-0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®)	8.55	0.57
		For Up To 40, Add	*3.23*	
		For >40 To 100, Add	*1.62*	
		For >1,000, Deduct	*-0.74*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	5.29	
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	5.54	

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	12.70	

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	2.82	
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	2.57	
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	3.80	
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	2.12	

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	2.42	1.15
		For 3/32" Thick, Deduct	*-0.10*	
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*0.93*	
		For >20 To 40, Add	*0.52*	
		For >40 To 80, Add	*0.19*	
		For >1,000 To 3,000, Deduct	*-0.06*	
		For >3,000 To 6,000, Deduct	*-0.15*	
		For >6,000, Deduct	*-0.27*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	2.35	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*0.92*	
		For >20 To 40, Add	*0.52*	
		For >40 To 80, Add	*0.19*	
		For >1,000 To 3,000, Deduct	*-0.05*	
		For >3,000 To 6,000, Deduct	*-0.14*	
		For >6,000, Deduct	*-0.27*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	2.35	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*0.92*	
		For >20 To 40, Add	*0.52*	
		For >40 To 80, Add	*0.19*	
		For >1,000 To 3,000, Deduct	*-0.05*	
		For >3,000 To 6,000, Deduct	*-0.14*	
		For >6,000, Deduct	*-0.27*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	3.24	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.05*	
		For >20 To 40, Add	*0.61*	
		For >40 To 80, Add	*0.23*	
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.18*	
		For >6,000, Deduct	*-0.32*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	3.25	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.05*	
		For >20 To 40, Add	*0.61*	
		For >40 To 80, Add	*0.23*	
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.18*	
		For >6,000, Deduct	*-0.32*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	3.42	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.08*	
		For >20 To 40, Add	*0.62*	
		For >40 To 80, Add	*0.24*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.19*	
		For >6,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	3.45	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.08*	
		For >20 To 40, Add	*0.63*	
		For >40 To 80, Add	*0.24*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.19*	
		For >6,000, Deduct	*-0.33*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	3.55	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.10*	
		For >20 To 40, Add	*0.64*	
		For >40 To 80, Add	*0.25*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.19*	
		For >6,000, Deduct	*-0.34*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	4.52	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.24*	
		For >20 To 40, Add	*0.73*	
		For >40 To 80, Add	*0.30*	
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.23*	
		For >6,000, Deduct	*-0.40*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	4.90	1.15
		For Extra Stock, Material Only, Deduct	*-1.34*	
		For Up To 20, Add	*1.30*	
		For >20 To 40, Add	*0.77*	
		For >40 To 80, Add	*0.32*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.25*	
		For >6,000, Deduct	*-0.42*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	11.35	1.15
		For Extra Stock, Material Only, Deduct	*-2.26*	
		For Up To 20, Add	*2.65*	
		For >20 To 40, Add	*1.61*	
		For >40 To 80, Add	*0.69*	
		For >1,000 To 3,000, Deduct	*-0.24*	
		For >3,000 To 6,000, Deduct	*-0.54*	
		For >6,000, Deduct	*-0.90*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	5.57	1.15
		For Up To 20, Add	*1.62*	
		For >20 To 40, Add	*0.95*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.51*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	5.70	1.15
		For Up To 20, Add	*1.64*	
		For >20 To 40, Add	*0.96*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.52*	
09 65 19 23-0005	SF	1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	5.79	1.15
		For Up To 20, Add	*1.65*	
		For >20 To 40, Add	*0.97*	
		For >40 To 80, Add	*0.39*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.52*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	13.52	0.68
		For Up To 20, Add	*2.59*	
		For >20 To 40, Add	*1.63*	
		For >40 To 100, Add	*0.75*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 33-0004		SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	16.39	0.76
			For Up To 20, Add	*3.07*	
			For >20 To 40, Add	*1.95*	
			For >40 To 100, Add	*0.90*	
09 65 19 33-0005		SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	18.23	0.91
			For Up To 20, Add	*3.47*	
			For >20 To 40, Add	*2.19*	
			For >40 To 100, Add	*1.00*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*

Note: Any size.

09 65 19 43-0002		SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	3.28	1.15
			For Extra Stock, Material Only, Deduct	*-1.34*	
			For Up To 20, Add	*1.06*	
			For >20 To 40, Add	*0.61*	
			For >40 To 80, Add	*0.23*	
			For >1,000 To 3,000, Deduct	*-0.07*	
			For >3,000 To 6,000, Deduct	*-0.18*	
			For >6,000, Deduct	*-0.32*	
09 65 19 43-0003		SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	3.69	1.15
			For Extra Stock, Material Only, Deduct	*-1.34*	
			For Up To 20, Add	*1.12*	
			For >20 To 40, Add	*0.65*	
			For >40 To 80, Add	*0.26*	
			For >1,000 To 3,000, Deduct	*-0.08*	
			For >3,000 To 6,000, Deduct	*-0.20*	
			For >6,000, Deduct	*-0.35*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002		SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	4.59	1.15
			For Up To 20, Add	*1.47*	
			For >20 To 40, Add	*0.85*	
			For >40 To 100, Add	*0.33*	
09 65 43 00-0003		SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	3.37	0.57
			For Up To 20, Add	*0.97*	
			For >20 To 40, Add	*0.57*	
			For >40 To 100, Add	*0.23*	
			For 3.2mm Thickness, Add	*0.44*	
			For 2mm Thickness, Deduct	*-0.21*	
09 65 43 00-0004		LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	5.29	

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002		SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	4.58	0.53
			For Colors, Add	*0.76*	
09 65 66 00-0003		SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	5.34	0.66
			For Colors, Add	*0.88*	
09 65 66 00-0004		SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	6.30	1.07
			For Colors, Add	*0.95*	
09 65 66 00-0005		SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	9.06	1.30
			For Colors, Add	*1.44*	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0007		SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	23.64	0.53
			For Colors, Add	*2.86*	
09 65 66 00-0008		SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	34.13	0.53
			For Colors, Add	*4.17*	
09 65 66 00-0009		SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	24.96	0.53
			For Colors, Add	*3.03*	
09 65 66 00-0010		SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	30.68	0.53
			For Colors, Add	*3.74*	
09 65 66 00-0011		SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	25.66	0.53
			For Colors, Add	*3.11*	

09 65 66 00-0012 Polyurethane Floor Systems *(09 65 66)*

See CSI section 09 93 23 53-0015 for game lines.

09 65 66 00-0013		SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	15.18	1.53

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001 Floors Not Bonded To Concrete *(09 66 13 13)*

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	27.55	2.24
		For Venetian Type Terrazzo, Add	*7.78*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.78*	
		For Colors, Add	*3.89*	
		For Up To 100, Add	*6.35*	
		For >100 To 250, Add	*3.18*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	27.70	2.24
		For Venetian Type Terrazzo, Add	*7.86*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.86*	
		For Colors, Add	*3.93*	
		For Up To 100, Add	*6.37*	
		For >100 To 250, Add	*3.18*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping Note: Including Mesh And Felt	15.69	2.24
		For Venetian Type Terrazzo, Add	*5.67*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.67*	
		For Colors, Add	*2.83*	
		For Up To 100, Add	*2.88*	
		For >100 To 250, Add	*1.44*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	22.05	2.24
		For Venetian Type Terrazzo, Add	*6.42*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.42*	
		For Colors, Add	*3.21*	
		For Up To 100, Add	*4.97*	
		For >100 To 250, Add	*2.48*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	22.20	2.24
		For Venetian Type Terrazzo, Add	*6.50*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.50*	
		For Colors, Add	*3.25*	
		For Up To 100, Add	*4.98*	
		For >100 To 250, Add	*2.49*	

09 66 13 19-0004 Terrazzo Wainscot *(09 66 13 19)*

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	28.27	2.99
		For Venetian Type Terrazzo, Add	*4.16*	

09 66 13 19-0006 Terrazzo Base *(09 66 13 19)*

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	30.34	2.20
		For Venetian Type Terrazzo, Add	*9.07*	

09 66 13 19-0008 Terrazzo Curb *(09 66 13 19)*

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	72.99	14.64
		For Venetian Type Terrazzo, Add	*12.09*	

09 66 13 19-0010 Stairs Cast In Place *(09 66 13 19)*

Note: Topping applied to concrete or metal.

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	28.57	4.49
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	70.31	14.97
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	29.02	4.49
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0014		**Divider Strips** *(09 66 13 19)*		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	3.99	0.75
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	4.15	0.75
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	6.15	0.75
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	9.01	0.75
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	3.86	0.75
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	5.66	0.75
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	3.49	0.75

09 66 16 Terrazzo Floor Tile *(09 66)*

09 66 16 13 Portland Cement Terrazzo Floor Tile *(09 66 16)*

09 66 16 13-0001 **Flooring Tiles** *(09 66 16 13)*
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

09 66 16 13-0002 **Terrazzo Tiles With Non Slip Surface** *(09 66 16 13-0001)*

09 66 16 13-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	25.34	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	26.05	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	30.27	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	32.62	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	34.41	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0008 **Terrazzo Tile Thin Set** *(09 66 16 13-0001)*

09 66 16 13-0009	SF	Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	25.19	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed	26.97	2.20
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0011 **Thin Set Terrazzo Wainscot** *(09 66 16 13-0001)*

09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	37.35	4.40
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	42.48	4.40
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0014 **Thin Set Terrazzo Base, Gray Cement** *(09 66 16 13-0001)*

09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	12.67	2.20
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	14.32	2.20
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	14.87	2.20
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	15.69	2.20
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0019 **Terrazzo Curbs** *(09 66 16 13-0001)*

09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	24.53	2.93
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	23.70	2.93
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0022 **Precast Terrazzo Stair Treads 12" Wide** *(09 66 16 13-0001)*

09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	64.69	2.93
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	54.83	2.93
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	48.26	2.93
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	56.68	2.93

09 66 16 13-0027 **Stair Risers, 1" Thick To 6" High, Straight** *(09 66 16 13-0001)*

09 66 16 13-0028	LF	1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	28.87	2.20
09 66 16 13-0029	LF	1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	33.80	2.20

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	43.05	2.20
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	46.34	2.20
09 66 16 13-0033		Tread And Riser *(09 66 16 13)*		
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	71.53	5.86
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	86.52	5.86
09 66 16 13-0037		Structural Non-Slip Landings *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip	51.74	2.93
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non Slip	64.06	2.93
09 66 16 13-0040		Combined Tread And Riser *(09 66 16 13-0033)*		
09 66 16 13-0041		Straight Sections *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	114.54	5.86
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	137.55	5.86
09 66 16 13-0044		Curved Sections *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	144.36	5.86
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	183.79	5.86
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	21.27	2.24
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial	22.48	3.66
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial	41.48	3.66
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial	17.09	3.66
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial	30.07	3.66
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	19.03	3.66
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	37.21	3.66
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	28.09	3.66
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	31.65	3.66
09 67		Fluid-Applied Flooring *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		Epoxy Marble Chip Flooring *(09 67 16)*		
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	11.75	2.24
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	12.45	2.24
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
09 67 23		**Resinous Flooring** *(09 67)*		
09 67 23 00-0001		Epoxy Resin Flooring *(09 67 23)*		
		Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 23 00-0002	SF	3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	10.85	5.09
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.11*	
		For >500 To 1,000, Add	*1.33*	
		For >1,000 To 2,000, Add	*0.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0003		SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	16.72	5.09
			For Skid Resistant Abrasive Sand Finish, Add	*0.11*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.11*	
			For Up To 500, Add	*3.58*	
			For >500 To 1,000, Add	*2.21*	
			For >1,000 To 2,000, Add	*1.10*	
09 67 23 00-0004		SF	1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	12.25	5.69
			For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
			For Up To 500, Add	*2.38*	
			For >500 To 1,000, Add	*1.50*	
			For >1,000 To 2,000, Add	*0.75*	
09 67 23 00-0005		SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	18.98	5.69
			For Skid Resistant Abrasive Sand Finish, Add	*0.12*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.12*	
			For Up To 500, Add	*4.06*	
			For >500 To 1,000, Add	*2.50*	
			For >1,000 To 2,000, Add	*1.25*	
09 67 23 00-0006		SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	13.75	6.36
			For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
			For Up To 500, Add	*2.69*	
			For >500 To 1,000, Add	*1.69*	
			For >1,000 To 2,000, Add	*0.84*	
09 67 23 00-0007		SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	20.89	6.36
			For Skid Resistant Abrasive Sand Finish, Add	*0.13*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.13*	
			For Up To 500, Add	*4.47*	
			For >500 To 1,000, Add	*2.76*	
			For >1,000 To 2,000, Add	*1.38*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003		SY	18 Ounce, Non Patterned, Nylon Carpet Tile	33.20	4.62
			For >200 To 400, Deduct	*-0.44*	
			For >400 To 600, Deduct	*-0.66*	
			For >600 To 900, Deduct	*-1.26*	
			For >900 To 1,500, Deduct	*-1.87*	
			For >1,500 To 2,200, Deduct	*-2.75*	
			For >2,200 To 3,500, Deduct	*-3.58*	
			For >3,500, Deduct	*-4.41*	
			For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0004		SY	20 Ounce, Non Patterned, Nylon Carpet Tile	34.53	4.62
			For >200 To 400, Deduct	*-0.46*	
			For >400 To 600, Deduct	*-0.70*	
			For >600 To 900, Deduct	*-1.33*	
			For >900 To 1,500, Deduct	*-1.96*	
			For >1,500 To 2,200, Deduct	*-2.89*	
			For >2,200 To 3,500, Deduct	*-3.75*	
			For >3,500, Deduct	*-4.61*	
			For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0005		SY	22 Ounce, Non Patterned, Nylon Carpet Tile	38.74	4.62
			For >200 To 400, Deduct	*-0.55*	
			For >400 To 600, Deduct	*-0.82*	
			For >600 To 900, Deduct	*-1.54*	
			For >900 To 1,500, Deduct	*-2.26*	
			For >1,500 To 2,200, Deduct	*-3.31*	
			For >2,200 To 3,500, Deduct	*-4.28*	
			For >3,500, Deduct	*-5.25*	
			For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006		SY	24 Ounce, Non Patterned, Nylon Carpet Tile	42.85	4.62
			For >200 To 400, Deduct	*-0.63*	
			For >400 To 600, Deduct	*-0.95*	
			For >600 To 900, Deduct	*-1.75*	
			For >900 To 1,500, Deduct	*-2.55*	
			For >1,500 To 2,200, Deduct	*-3.72*	
			For >2,200 To 3,500, Deduct	*-4.79*	
			For >3,500, Deduct	*-5.86*	
			For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007		SY	26 Ounce, Non Patterned, Nylon Carpet Tile	45.25	4.62
			For >200 To 400, Deduct	*-0.68*	
			For >400 To 600, Deduct	*-1.02*	
			For >600 To 900, Deduct	*-1.87*	
			For >900 To 1,500, Deduct	*-2.71*	
			For >1,500 To 2,200, Deduct	*-3.96*	
			For >2,200 To 3,500, Deduct	*-5.09*	
			For >3,500, Deduct	*-6.22*	
			For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile	47.71	4.62
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-1.99*	
		For >900 To 1,500, Deduct	*-2.89*	
		For >1,500 To 2,200, Deduct	*-4.21*	
		For >2,200 To 3,500, Deduct	*-5.40*	
		For >3,500, Deduct	*-6.59*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile	48.43	4.62
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-2.94*	
		For >1,500 To 2,200, Deduct	*-4.28*	
		For >2,200 To 3,500, Deduct	*-5.49*	
		For >3,500, Deduct	*-6.70*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile	48.89	4.62
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.05*	
		For >900 To 1,500, Deduct	*-2.97*	
		For >1,500 To 2,200, Deduct	*-4.32*	
		For >2,200 To 3,500, Deduct	*-5.55*	
		For >3,500, Deduct	*-6.77*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile	49.28	4.62
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.07*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.36*	
		For >2,200 To 3,500, Deduct	*-5.59*	
		For >3,500, Deduct	*-6.83*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile	50.59	4.62
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.13*	
		For >900 To 1,500, Deduct	*-3.09*	
		For >1,500 To 2,200, Deduct	*-4.49*	
		For >2,200 To 3,500, Deduct	*-5.76*	
		For >3,500, Deduct	*-7.02*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile	53.19	4.62
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.26*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.75*	
		For >2,200 To 3,500, Deduct	*-6.08*	
		For >3,500, Deduct	*-7.41*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile	55.98	4.62
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.34*	
		For >600 To 900, Deduct	*-2.40*	
		For >900 To 1,500, Deduct	*-3.47*	
		For >1,500 To 2,200, Deduct	*-5.03*	
		For >2,200 To 3,500, Deduct	*-6.43*	
		For >3,500, Deduct	*-7.83*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0015	SY	42 Ounce, Non Patterned, Nylon Carpet Tile	61.33	4.62
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.67*	
		For >900 To 1,500, Deduct	*-3.84*	
		For >1,500 To 2,200, Deduct	*-5.57*	
		For >2,200 To 3,500, Deduct	*-7.10*	
		For >3,500, Deduct	*-8.63*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non Patterned Carpet Tiles	11.22	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	33.94	4.62
		For >200 To 400, Deduct	*-0.43*	
		For >400 To 600, Deduct	*-0.65*	
		For >600 To 900, Deduct	*-1.26*	
		For >900 To 1,500, Deduct	*-1.88*	
		For >1,500 To 2,200, Deduct	*-2.77*	
		For >2,200 To 3,500, Deduct	*-3.62*	
		For >3,500, Deduct	*-4.47*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	34.65	4.62
		For >200 To 400, Deduct	*-0.44*	
		For >400 To 600, Deduct	*-0.67*	
		For >600 To 900, Deduct	*-1.30*	
		For >900 To 1,500, Deduct	*-1.93*	
		For >1,500 To 2,200, Deduct	*-2.84*	
		For >2,200 To 3,500, Deduct	*-3.71*	
		For >3,500, Deduct	*-4.58*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	36.00	4.62
		For >200 To 400, Deduct	*-0.47*	
		For >400 To 600, Deduct	*-0.71*	
		For >600 To 900, Deduct	*-1.36*	
		For >900 To 1,500, Deduct	*-2.02*	
		For >1,500 To 2,200, Deduct	*-2.98*	
		For >2,200 To 3,500, Deduct	*-3.88*	
		For >3,500, Deduct	*-4.78*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	40.27	4.62
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.58*	
		For >900 To 1,500, Deduct	*-2.32*	
		For >1,500 To 2,200, Deduct	*-3.41*	
		For >2,200 To 3,500, Deduct	*-4.41*	
		For >3,500, Deduct	*-5.42*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	44.44	4.62
		For >200 To 400, Deduct	*-0.64*	
		For >400 To 600, Deduct	*-0.96*	
		For >600 To 900, Deduct	*-1.79*	
		For >900 To 1,500, Deduct	*-2.61*	
		For >1,500 To 2,200, Deduct	*-3.82*	
		For >2,200 To 3,500, Deduct	*-4.93*	
		For >3,500, Deduct	*-6.04*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	46.88	4.62
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.91*	
		For >900 To 1,500, Deduct	*-2.78*	
		For >1,500 To 2,200, Deduct	*-4.07*	
		For >2,200 To 3,500, Deduct	*-5.24*	
		For >3,500, Deduct	*-6.41*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	49.37	4.62
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-2.96*	
		For >1,500 To 2,200, Deduct	*-4.32*	
		For >2,200 To 3,500, Deduct	*-5.55*	
		For >3,500, Deduct	*-6.78*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	50.11	4.62
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.07*	
		For >900 To 1,500, Deduct	*-3.01*	
		For >1,500 To 2,200, Deduct	*-4.39*	
		For >2,200 To 3,500, Deduct	*-5.64*	
		For >3,500, Deduct	*-6.89*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	50.58	4.62
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.09*	
		For >900 To 1,500, Deduct	*-3.04*	
		For >1,500 To 2,200, Deduct	*-4.44*	
		For >2,200 To 3,500, Deduct	*-5.70*	
		For >3,500, Deduct	*-6.97*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	50.96	4.62
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.11*	
		For >900 To 1,500, Deduct	*-3.07*	
		For >1,500 To 2,200, Deduct	*-4.47*	
		For >2,200 To 3,500, Deduct	*-5.75*	
		For >3,500, Deduct	*-7.02*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	52.30	4.62
		For >200 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.20*	
		For >600 To 900, Deduct	*-2.18*	
		For >900 To 1,500, Deduct	*-3.16*	
		For >1,500 To 2,200, Deduct	*-4.61*	
		For >2,200 To 3,500, Deduct	*-5.92*	
		For >3,500, Deduct	*-7.22*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	54.93	4.62
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.31*	
		For >900 To 1,500, Deduct	*-3.35*	
		For >1,500 To 2,200, Deduct	*-4.87*	
		For >2,200 To 3,500, Deduct	*-6.24*	
		For >3,500, Deduct	*-7.62*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	57.77	4.62
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.36*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.55*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.60*	
		For >3,500, Deduct	*-8.04*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	63.20	4.62
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.72*	
		For >900 To 1,500, Deduct	*-3.93*	
		For >1,500 To 2,200, Deduct	*-5.70*	
		For >2,200 To 3,500, Deduct	*-7.28*	
		For >3,500, Deduct	*-8.86*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	12.86	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	68.42	4.62
		For >200 To 400, Deduct	*-1.12*	
		For >400 To 600, Deduct	*-1.68*	
		For >600 To 900, Deduct	*-2.99*	
		For >900 To 1,500, Deduct	*-4.29*	
		For >1,500 To 2,200, Deduct	*-6.22*	
		For >2,200 To 3,500, Deduct	*-7.93*	
		For >3,500, Deduct	*-9.64*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Pads *(09 68 16 00-0001)*

09 68 16 00-0003	SY	Foam Rubber Carpet Padding	5.25	2.16
09 68 16 00-0004	SY	Sponge Rubber Carpet Cushion	5.14	2.16
09 68 16 00-0005	SY	1/4" Thick, Urethane Carpet Cushion	6.05	2.16
09 68 16 00-0006	SY	3/8" Thick, Urethane Carpet Cushion	6.70	2.16
09 68 16 00-0007	SY	7/16" Thick, 6 LB/CF Bonded (Rebond), Polyurethane Foam Carpet Padding	6.17	2.16
09 68 16 00-0008	SY	3/8" Thick, 7 LB/CF Bonded (Rebond), Polyurethane Foam Carpet Padding	6.47	2.16
09 68 16 00-0009	SY	1/2" Thick, 8 LB/CF Bonded (Rebond), Polyurethane Foam Carpet Padding	6.89	2.16

09 68 16 00-0010 Residential Broadloom Carpet *(09 68 16)*

Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.

09 68 16 00-0011	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	29.29	5.76
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.62*	
		For Up To 15, Add	*2.96*	
		For >15 To 33, Add	*1.48*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.44*	
		For >600 To 900, Deduct	*-0.95*	
		For >900, Deduct	*-1.46*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0012	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	32.70	5.76
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.62*	
		For Up To 15, Add	*2.96*	
		For >15 To 33, Add	*1.48*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-1.12*	
		For >900, Deduct	*-1.70*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0013	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	37.40	5.76
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.62*	
		For Up To 15, Add	*2.96*	
		For >15 To 33, Add	*1.48*	
		For >200 To 400, Deduct	*-0.45*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.35*	
		For >900, Deduct	*-2.03*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0014	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	42.31	5.76
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.62*	
		For Up To 15, Add	*2.96*	
		For >15 To 33, Add	*1.48*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.60*	
		For >900, Deduct	*-2.37*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0015	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	43.16	5.76
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.62*	
		For Up To 15, Add	*2.96*	
		For >15 To 33, Add	*1.48*	
		For >200 To 400, Deduct	*-0.57*	
		For >400 To 600, Deduct	*-0.85*	
		For >600 To 900, Deduct	*-1.64*	
		For >900, Deduct	*-2.43*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0016	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	44.61	6.33
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.77*	
		For Up To 15, Add	*3.15*	
		For >15 To 33, Add	*1.58*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.87*	
		For >600 To 900, Deduct	*-1.68*	
		For >900, Deduct	*-2.49*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0017	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	46.07	6.33
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.77*	
		For Up To 15, Add	*3.15*	
		For >15 To 33, Add	*1.58*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.75*	
		For >900, Deduct	*-2.59*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0018	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	49.70	6.33
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.77*	
		For Up To 15, Add	*3.15*	
		For >15 To 33, Add	*1.58*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.93*	
		For >900, Deduct	*-2.85*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0019	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	50.13	6.33
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.77*	
		For Up To 15, Add	*3.15*	
		For >15 To 33, Add	*1.58*	
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.95*	
		For >900, Deduct	*-2.88*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0020	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	51.83	6.33
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.77*	
		For Up To 15, Add	*3.15*	
		For >15 To 33, Add	*1.58*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.04*	
		For >900, Deduct	*-3.00*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0021 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0022 Non-Patterned Broadloom Carpet *(09 68 16 00-0021)*

09 68 16 00-0023	SY	22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.13	18.95
		For Up To 15, Add	*2.53*	
		For >15 To 33, Add	*1.26*	
		For >200 To 400, Deduct	*-0.49*	
		For >400 To 600, Deduct	*-0.74*	
		For >600 To 900, Deduct	*-1.41*	
		For >900, Deduct	*-2.09*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0024	SY	24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.13	18.95
		For Up To 15, Add	*2.53*	
		For >15 To 33, Add	*1.26*	
		For >200 To 400, Deduct	*-0.49*	
		For >400 To 600, Deduct	*-0.74*	
		For >600 To 900, Deduct	*-1.41*	
		For >900, Deduct	*-2.09*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0025	SY	26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.13	18.95
		For Up To 15, Add	*2.53*	
		For >15 To 33, Add	*1.26*	
		For >200 To 400, Deduct	*-0.49*	
		For >400 To 600, Deduct	*-0.74*	
		For >600 To 900, Deduct	*-1.41*	
		For >900, Deduct	*-2.09*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0026	SY	28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	40.24	20.53
		For Up To 15, Add	*2.74*	
		For >15 To 33, Add	*1.37*	
		For >200 To 400, Deduct	*-0.53*	
		For >400 To 600, Deduct	*-0.80*	
		For >600 To 900, Deduct	*-1.53*	
		For >900, Deduct	*-2.27*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0027	SY	30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	40.99	20.53
		For Up To 15, Add	*2.74*	
		For >15 To 33, Add	*1.37*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.82*	
		For >600 To 900, Deduct	*-1.57*	
		For >900, Deduct	*-2.32*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0028	SY	32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	41.13	20.53
		For Up To 15, Add	*2.74*	
		For >15 To 33, Add	*1.37*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.82*	
		For >600 To 900, Deduct	*-1.58*	
		For >900, Deduct	*-2.33*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0029	SY	34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	45.17	22.11
		For Up To 15, Add	*2.95*	
		For >15 To 33, Add	*1.47*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.74*	
		For >900, Deduct	*-2.57*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0030	SY	36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	45.71	22.11
		For Up To 15, Add	*2.95*	
		For >15 To 33, Add	*1.47*	
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.93*	
		For >600 To 900, Deduct	*-1.77*	
		For >900, Deduct	*-2.61*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0031	SY	38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	46.37	22.11
		For Up To 15, Add	*2.95*	
		For >15 To 33, Add	*1.47*	
		For >200 To 400, Deduct	*-0.63*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.80*	
		For >900, Deduct	*-2.66*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0032 Patterned Broadloom Carpet *(09 68 16 00-0021)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0033	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.77	18.95
		For Up To 15, Add	*2.78*	
		For >15 To 33, Add	*1.39*	
		For >200 To 400, Deduct	*-0.50*	
		For >400 To 600, Deduct	*-0.75*	
		For >600 To 900, Deduct	*-1.45*	
		For >900, Deduct	*-2.16*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0034	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.77	18.95
		For Up To 15, Add	*2.78*	
		For >15 To 33, Add	*1.39*	
		For >200 To 400, Deduct	*-0.50*	
		For >400 To 600, Deduct	*-0.75*	
		For >600 To 900, Deduct	*-1.45*	
		For >900, Deduct	*-2.16*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0035	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.77	18.95
		For Up To 15, Add	*2.78*	
		For >15 To 33, Add	*1.39*	
		For >200 To 400, Deduct	*-0.50*	
		For >400 To 600, Deduct	*-0.75*	
		For >600 To 900, Deduct	*-1.45*	
		For >900, Deduct	*-2.16*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0036	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.02	20.53
		For Up To 15, Add	*3.01*	
		For >15 To 33, Add	*1.51*	
		For >200 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.81*	
		For >600 To 900, Deduct	*-1.57*	
		For >900, Deduct	*-2.34*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0037	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.78	20.53
		For Up To 15, Add	*3.01*	
		For >15 To 33, Add	*1.51*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.61*	
		For >900, Deduct	*-2.39*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0038	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.92	20.53
		For Up To 15, Add	*3.01*	
		For >15 To 33, Add	*1.51*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.62*	
		For >900, Deduct	*-2.40*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0039	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	47.10	22.11
		For Up To 15, Add	*3.24*	
		For >15 To 33, Add	*1.62*	
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.93*	
		For >600 To 900, Deduct	*-1.79*	
		For >900, Deduct	*-2.65*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	47.65	22.11
		For Up To 15, Add	*3.24*	
		For >15 To 33, Add	*1.62*	
		For >200 To 400, Deduct	*-0.63*	
		For >400 To 600, Deduct	*-0.94*	
		For >600 To 900, Deduct	*-1.82*	
		For >900, Deduct	*-2.69*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	48.32	22.11
		For Up To 15, Add	*3.24*	
		For >15 To 33, Add	*1.62*	
		For >200 To 400, Deduct	*-0.64*	
		For >400 To 600, Deduct	*-0.96*	
		For >600 To 900, Deduct	*-1.85*	
		For >900, Deduct	*-2.73*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0042 Removal And Reinstallation Of Carpet And Pad *(09 68 16)*

Note: Includes storage, cleaning and supply materials.

09 68 16 00-0043	SY	Removal And Reinstallation Of Carpet And Pad	26.66	

09 68 16 00-0044 Carpeting Support Functions *(09 68 16)*

09 68 16 00-0045 Relocate Partitions, Modular Work Stations *(09 68 16 00-0044)*

Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.

09 68 16 00-0046	EA	Relocate Modular Work Station	241.50	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0047		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0048	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	11.23	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.20*	
		For >15 To 33, Add	*1.10*	
09 68 16 00-0049	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	13.05	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.56*	
		For >15 To 33, Add	*1.28*	
09 68 16 00-0050	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	15.62	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.08*	
		For >15 To 33, Add	*1.54*	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001 Cork Wall Covering *(09 72 13)*

09 72 13 00-0002	SF	1/8" Cork Wall Covering	3.79	0.63
09 72 13 00-0003	SF	1/4" Cork Wall Covering	4.73	0.63
09 72 13 00-0004	SF	1/2" Cork Wall Covering	5.49	0.63
09 72 13 00-0005	SF	3/4" Cork Wall Covering	7.70	0.63

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 13 Flexible Vinyl Wall Coverings *(09 72 16)*

09 72 16 13-0001 Vinyl Wall Coverings *(09 72 16 13)*

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF	7-10 Oz/SY Vinyl Wall Covering	2.58	0.63
		For Owner Furnished Material, Deduct	*-1.59*	
09 72 16 13-0003	SF	11-14 Oz/SY Vinyl Wall Covering	3.38	0.63
		For Owner Furnished Material, Deduct	*-2.33*	
09 72 16 13-0004	SF	15-19 Oz/SY Vinyl Wall Covering	3.97	0.63
		For Owner Furnished Material, Deduct	*-2.92*	
09 72 16 13-0005	SF	20 To 25 Ounces/SY Vinyl Wall Covering	4.68	0.63
		For Owner Furnished Material, Deduct	*-3.36*	
09 72 16 13-0006	SF	26-32 Oz/SY Vinyl Wall Covering	5.47	0.63
		For Owner Furnished Material, Deduct	*-4.09*	
09 72 16 13-0007	SF	33-38 Oz/SY Vinyl Wall Covering	6.61	0.63
		For Owner Furnished Material, Deduct	*-5.17*	

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001 Carpet Wall Covering *(09 73)*

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	34.67	21.05
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	35.37	21.05
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	38.37	22.66
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	40.61	22.66
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	42.91	22.66
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	43.76	22.66
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	45.46	24.48
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	47.31	24.48

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.29	0.23
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.38	0.23
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.52	0.23
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.61	0.23
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.75	0.23
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.87	0.23
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.04	0.23
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.23	0.23

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.27	0.23

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81 16 00-0013			**Sound Attenuation Batts** *(09 81 16)* Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014		SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	0.79	0.30
09 81 16 00-0015		SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	0.85	0.30
09 81 16 00-0016		SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.88	0.30
09 81 16 00-0017		SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	0.98	0.30
09 81 16 00-0018		SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.01	0.30
09 81 16 00-0019		SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	1.00	0.30
09 81 16 00-0020		SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.03	0.30

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001			**Sound Absorbing Panels And Attenuation Blankets** *(09 84 13)* Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.		
09 84 13 00-0002		SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	8.17	1.53
09 84 13 00-0003			**Sound Absorbing Acoustical Wall Panel System** *(09 84 13)* See CSI section 06 11 16 00-0175 for wood furring.		
09 84 13 00-0004			**Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®)** *(09 84 13 00-0003)* Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0005		SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	8.86	1.72
09 84 13 00-0006		SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	8.22	1.72
09 84 13 00-0007		SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	10.25	1.72
09 84 13 00-0008		SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	10.26	1.72
09 84 13 00-0009		SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	11.29	1.72
09 84 13 00-0010		SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	11.29	1.72
09 84 13 00-0011			**Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®)** *(09 84 13 00-0003)* Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0012		SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	10.28	1.72
09 84 13 00-0013		SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	11.95	1.72
09 84 13 00-0014		SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	11.95	1.72
09 84 13 00-0015		SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	13.61	1.72
09 84 13 00-0016		SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	13.61	1.72
09 84 13 00-0017			**Sound Absorbing Panel, Eggcrate Style** *(09 84 13)* Note: Ceiling or wall hung back.		
09 84 13 00-0018		SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	7.87	
			For Pyramid Style, Add	*1.18*	
09 84 13 00-0019		SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	10.55	
			For Pyramid Style, Add	*1.18*	
09 84 13 00-0020		SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	13.96	
			For Pyramid Style, Add	*1.18*	
09 84 13 00-0021		SF	2" Thick Melamine Sound Wave (Eggcrate Style)	10.46	
			For Eggcrate Style With Hypalon Coating, Add	*1.97*	
			For Pyramid Style, Add	*2.05*	
			For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0022		SF	3" Thick Melamine Sound Wave (Eggcrate Style)	22.01	
			For Eggcrate Style With Hypalon Coating, Add	*1.97*	
			For Pyramid Style, Add	*0.42*	
			For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0023		SF	4" Thick Melamine Sound Wave (Eggcrate Style)	28.38	
			For Eggcrate Style With Hypalon Coating, Add	*1.97*	
			For Pyramid Style, Add	*0.42*	
			For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024			**Sound Deadening Fiberboard** *(09 84 13)*		
09 84 13 00-0025		SF	1/2" Sound Deadening Fiberboard	1.04	0.38
			For Horizontal Installation Up To 10' High, Add	*0.23*	
			For Horizontal Installation >10' High, Add	*0.35*	
			For Walls >10' High, Add	*0.06*	
			For Up To 128, Add	*0.35*	
			For >128 To 320, Add	*0.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 90 Painting And Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing exisiting wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	1.43	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

09 91 13 00-0012 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0013	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0014	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0015	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0016	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0017	SF	1 Coat Paint, Brush/Roller Work, Painit Exterior Concrete Walls	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0019	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.41	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 13 00-0020	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.37	
		For Oil Based Paint, Add	*0.02*	
		For Epoxy Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.07*	
09 91 13 00-0021	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

09 91 13 00-0022 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0024	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	0.82	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0025	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	0.94	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0026	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.65	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.67	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.74	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.32	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.53	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	0.59	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.14	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0022)*

09 91 13 00-0034	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0036	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0037	SF	Texture Coat, Brush Work, Paint Exterior Concrete Block Walls	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0038	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0039	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0040	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0041	SF	Texture Coat, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0042	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0043	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0044	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0045	SF	Texture Coat, Sprayed, Paint Exterior Concrete Block Walls	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0047	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0048	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0049	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0050	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0051	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.05*	
09 91 13 00-0052	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0053	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.41	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
		For Epoxy Paint, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0055	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.10*	

09 91 13 00-0056 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0057 Paint Exterior Galvanized Walls *(09 91 13 00-0056)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0058	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	0.76	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0059	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	0.84	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0060	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.55	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0061	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.58	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0062	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	0.66	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0063	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.24	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0064	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.49	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0065	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	0.64	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0066	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0067		Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0056)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0068	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	0.76	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0069	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	0.84	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0070	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.54	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0071	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.65	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0072	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.72	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0073	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.35	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0074	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.53	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0075	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.64	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0076	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0056)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0078	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack	10.07	
		For Work >15' To 20' Above Floor, Add	*1.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*3.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*4.88*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*6.84*	
		For >100 To 250, Add	*3.23*	
		For >250 To 500, Add	*1.39*	
		For >2,500 To 5,000, Deduct	*-0.50*	
		For >5,000 To 10,000, Deduct	*-1.01*	
		For >10,000 To 20,000, Deduct	*-1.51*	
		For >20,000, Deduct	*-2.01*	
09 91 13 00-0079	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack	11.20	
		For Work >15' To 20' Above Floor, Add	*1.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*3.95*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*5.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*7.60*	
		For >100 To 250, Add	*3.59*	
		For >250 To 500, Add	*1.55*	
		For >2,500 To 5,000, Deduct	*-0.56*	
		For >5,000 To 10,000, Deduct	*-1.12*	
		For >10,000 To 20,000, Deduct	*-1.68*	
		For >20,000, Deduct	*-2.24*	
09 91 13 00-0080	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack	20.92	
		For Work >15' To 20' Above Floor, Add	*2.78*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.64*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*7.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*10.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*14.27*	
		For >100 To 250, Add	*6.73*	
		For >250 To 500, Add	*2.90*	
		For >2,500 To 5,000, Deduct	*-1.05*	
		For >5,000 To 10,000, Deduct	*-2.09*	
		For >10,000 To 20,000, Deduct	*-3.14*	
		For >20,000, Deduct	*-4.18*	

09 91 13 00-0081 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0056)*

09 91 13 00-0082	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.60	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0083	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.80	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0084	SF	Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.34	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0085 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0086	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0087	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0088	SF	Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.06	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0089	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0090	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0091	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.59	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0092	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0093	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0094	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed	1.34	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0095 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0096 Paint Exterior Smooth Wood Siding *(09 91 13 00-0095)*
Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0098	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0099	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0100	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0101	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0103	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0104	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0105	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

09 91 13 00-0106 Paint Exterior Rough Wood Siding *(09 91 13 00-0095)*

Note: Includes shingles, shakes or rough sawn siding.

09 91 13 00-0107	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0108	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work	1.14	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work	2.11	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0110	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0111	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0112	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work	2.00	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0114	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0115	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed	1.56	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

09 91 13 00-0116 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0117	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0118	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0120	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0122	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0123	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed	0.51	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0125	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 13 00-0126 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0127 Paint Exterior Concrete Ceilings *(09 91 13 00-0126)*

09 91 13 00-0128	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0129	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0131	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0132	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0133	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0134	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.42	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0135	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0136	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 13 00-0137 Drywall/Plaster *(09 91 13 00-0126)*

09 91 13 00-0138	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0139	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0141	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0142	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0143	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Epoxy Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.42	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0145	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0146	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.11*	

09 91 13 00-0147 Paint Exterior Wood Ceilings *(09 91 13 00-0126)*

09 91 13 00-0148 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0147)*

09 91 13 00-0149	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0150	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0151	SF	Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0152	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0153	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0154	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.53	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0156	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.53	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0157	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 13 00-0158 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0147)*

09 91 13 00-0159	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0160	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.26	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.19	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0162	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0163	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0164	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work	2.08	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0165	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0167	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed	1.66	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 13 00-0168 Paint Exterior Metal Ceilings *(09 91 13 00-0126)*

09 91 13 00-0169 Paint Exterior Galvanized Ceilings *(09 91 13 00-0168)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0170	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.84	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0171	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work	0.92	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0172	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.70	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0173	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.65	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0174	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.73	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0175	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.30	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0176	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.64	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0177	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.73	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0178	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.16	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0179		Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0168)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0180	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.84	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0181	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	0.92	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0182	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.70	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0183	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.72	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0184 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.80	
For Work >15' To 20' Above Floor, Add	*0.08*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.14*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.22*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.31*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.46*	
For >100 To 250, Add	*0.22*	
For >250 To 500, Add	*0.10*	
For >2,500 To 5,000, Deduct	*-0.04*	
For >5,000 To 10,000, Deduct	*-0.08*	
For >10,000 To 20,000, Deduct	*-0.12*	
For >20,000, Deduct	*-0.16*	
09 91 13 00-0185 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.43	
For Work >15' To 20' Above Floor, Add	*0.14*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.24*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.38*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.53*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.79*	
For >100 To 250, Add	*0.38*	
For >250 To 500, Add	*0.17*	
For >2,500 To 5,000, Deduct	*-0.07*	
For >5,000 To 10,000, Deduct	*-0.14*	
For >10,000 To 20,000, Deduct	*-0.21*	
For >20,000, Deduct	*-0.29*	
09 91 13 00-0186 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.64	
For Work >15' To 20' Above Floor, Add	*0.06*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.10*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.16*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.22*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.34*	
For >100 To 250, Add	*0.16*	
For >250 To 500, Add	*0.07*	
For >2,500 To 5,000, Deduct	*-0.03*	
For >5,000 To 10,000, Deduct	*-0.06*	
For >10,000 To 20,000, Deduct	*-0.10*	
For >20,000, Deduct	*-0.13*	
09 91 13 00-0187 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.64	
For Work >15' To 20' Above Floor, Add	*0.06*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.10*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.16*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.22*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.34*	
For >100 To 250, Add	*0.16*	
For >250 To 500, Add	*0.07*	
For >2,500 To 5,000, Deduct	*-0.03*	
For >5,000 To 10,000, Deduct	*-0.06*	
For >10,000 To 20,000, Deduct	*-0.10*	
For >20,000, Deduct	*-0.13*	
09 91 13 00-0188 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	1.16	
For Work >15' To 20' Above Floor, Add	*0.10*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.17*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.28*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.38*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.59*	
For >100 To 250, Add	*0.29*	
For >250 To 500, Add	*0.13*	
For >2,500 To 5,000, Deduct	*-0.06*	
For >5,000 To 10,000, Deduct	*-0.12*	
For >10,000 To 20,000, Deduct	*-0.17*	
For >20,000, Deduct	*-0.23*	

09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0168)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.70	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0191	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	0.80	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0192	SF	Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.47	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 13 00-0193 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0194 Paint Exterior Concrete Floors *(09 91 13 00-0193)*

09 91 13 00-0195	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0196	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0197	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0198	SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.42	
	For Oil Based Paint, Add	*0.03*	
	For Epoxy Paint, Add	*0.05*	
	For Up To 100, Add	*0.25*	
	For >100 To 250, Add	*0.12*	
	For >250 To 500, Add	*0.05*	
	For >2,500 To 5,000, Deduct	*-0.02*	
	For >5,000 To 10,000, Deduct	*-0.04*	
	For >10,000 To 20,000, Deduct	*-0.06*	
	For >20,000, Deduct	*-0.08*	
09 91 13 00-0199	SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.50	
	For Oil Based Paint, Add	*0.03*	
	For Epoxy Paint, Add	*0.05*	
	For Up To 100, Add	*0.32*	
	For >100 To 250, Add	*0.15*	
	For >250 To 500, Add	*0.07*	
	For >2,500 To 5,000, Deduct	*-0.03*	
	For >5,000 To 10,000, Deduct	*-0.05*	
	For >10,000 To 20,000, Deduct	*-0.08*	
	For >20,000, Deduct	*-0.10*	
09 91 13 00-0200	SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.80	
	For Oil Based Paint, Add	*0.05*	
	For Epoxy Paint, Add	*0.09*	
	For Up To 100, Add	*0.50*	
	For >100 To 250, Add	*0.24*	
	For >250 To 500, Add	*0.10*	
	For >2,500 To 5,000, Deduct	*-0.04*	
	For >5,000 To 10,000, Deduct	*-0.08*	
	For >10,000 To 20,000, Deduct	*-0.12*	
	For >20,000, Deduct	*-0.16*	
09 91 13 00-0201	SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.33	
	For Oil Based Paint, Add	*0.02*	
	For Epoxy Paint, Add	*0.06*	
	For Up To 100, Add	*0.17*	
	For >100 To 250, Add	*0.08*	
	For >250 To 500, Add	*0.04*	
	For >2,500 To 5,000, Deduct	*-0.02*	
	For >5,000 To 10,000, Deduct	*-0.03*	
	For >10,000 To 20,000, Deduct	*-0.05*	
	For >20,000, Deduct	*-0.07*	
09 91 13 00-0202	SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed	0.40	
	For Oil Based Paint, Add	*0.03*	
	For Epoxy Paint, Add	*0.05*	
	For Up To 100, Add	*0.23*	
	For >100 To 250, Add	*0.11*	
	For >250 To 500, Add	*0.05*	
	For >2,500 To 5,000, Deduct	*-0.02*	
	For >5,000 To 10,000, Deduct	*-0.04*	
	For >10,000 To 20,000, Deduct	*-0.06*	
	For >20,000, Deduct	*-0.08*	
09 91 13 00-0203	SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed	0.72	
	For Oil Based Paint, Add	*0.05*	
	For Epoxy Paint, Add	*0.10*	
	For Up To 100, Add	*0.41*	
	For >100 To 250, Add	*0.20*	
	For >250 To 500, Add	*0.09*	
	For >2,500 To 5,000, Deduct	*-0.04*	
	For >5,000 To 10,000, Deduct	*-0.07*	
	For >10,000 To 20,000, Deduct	*-0.11*	
	For >20,000, Deduct	*-0.14*	
09 91 13 00-0204	SF Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work	1.33	
	For Up To 100, Add	*0.45*	
	For >100 To 250, Add	*0.24*	
	For >250 To 500, Add	*0.11*	
	For >2,500 To 5,000, Deduct	*-0.07*	
	For >5,000 To 10,000, Deduct	*-0.13*	
	For >10,000 To 20,000, Deduct	*-0.20*	
	For >20,000, Deduct	*-0.27*	
09 91 13 00-0205	SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work	3.82	
	For Up To 100, Add	*0.82*	
	For >100 To 250, Add	*0.48*	
	For >250 To 500, Add	*0.23*	
	For >2,500 To 5,000, Deduct	*-0.19*	
	For >5,000 To 10,000, Deduct	*-0.38*	
	For >10,000 To 20,000, Deduct	*-0.57*	
	For >20,000, Deduct	*-0.76*	

09 91 13 00-0206 Paint Exterior Wood Floors *(09 91 13 00-0193)*

09 91 13 00-0207	SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.64	
	For Oil Based Paint, Add	*0.04*	
	For Up To 100, Add	*0.39*	
	For >100 To 250, Add	*0.19*	
	For >250 To 500, Add	*0.08*	
	For >2,500 To 5,000, Deduct	*-0.03*	
	For >5,000 To 10,000, Deduct	*-0.06*	
	For >10,000 To 20,000, Deduct	*-0.10*	
	For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0208	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0209	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0210	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0211	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0212	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0213	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.42	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 13 00-0214	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.53	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0215	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.86	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0216	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.41	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0217	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	3.90	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.78*	

09 91 13 00-0218 Paint Exterior Doors And Windows *(09 91 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0219 Paint Exterior Door Frames *(09 91 13 00-0218)*

09 91 13 00-0220	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.85	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.22*	
09 91 13 00-0221	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.10	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.29*	
09 91 13 00-0222	LF	Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.86	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.48*	
09 91 13 00-0223	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.86	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.23*	
09 91 13 00-0224	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.11	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.29*	
09 91 13 00-0225	LF	Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.89	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.50*	

09 91 13 00-0226 Paint Exterior Metal Doors *(09 91 13 00-0218)*

09 91 13 00-0227	EA	Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	37.28	
		For Half Louvered Door, Add	*3.49*	
		For Full Louvered Door, Add	*5.82*	
		For Electrostatic Painting, Add	*5.83*	
		For >5 To 10, Deduct	*-1.86*	
		For >10 To 25, Deduct	*-3.73*	
		For >25, Deduct	*-5.59*	
09 91 13 00-0228	EA	Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work	37.28	
		For Half Louvered Door, Add	*3.49*	
		For Full Louvered Door, Add	*5.82*	
		For Electrostatic Painting, Add	*5.83*	
		For >5 To 10, Deduct	*-1.86*	
		For >10 To 25, Deduct	*-3.73*	
		For >25, Deduct	*-5.59*	
09 91 13 00-0229	EA	Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	67.14	
		For Half Louvered Door, Add	*5.89*	
		For Full Louvered Door, Add	*9.82*	
		For Electrostatic Painting, Add	*10.89*	
		For >5 To 10, Deduct	*-3.36*	
		For >10 To 25, Deduct	*-6.71*	
		For >25, Deduct	*-10.07*	
09 91 13 00-0230	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work	66.90	
		For Half Louvered Door, Add	*6.26*	
		For Full Louvered Door, Add	*10.43*	
		For Electrostatic Painting, Add	*10.47*	
		For >5 To 10, Deduct	*-3.35*	
		For >10 To 25, Deduct	*-6.69*	
		For >25, Deduct	*-10.04*	
09 91 13 00-0231	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	66.90	
		For Half Louvered Door, Add	*6.26*	
		For Full Louvered Door, Add	*10.43*	
		For Electrostatic Painting, Add	*10.47*	
		For >5 To 10, Deduct	*-3.35*	
		For >10 To 25, Deduct	*-6.69*	
		For >25, Deduct	*-10.04*	
09 91 13 00-0232	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	120.94	
		For Half Louvered Door, Add	*10.58*	
		For Full Louvered Door, Add	*17.64*	
		For Electrostatic Painting, Add	*19.65*	
		For >5 To 10, Deduct	*-6.05*	
		For >10 To 25, Deduct	*-12.09*	
		For >25, Deduct	*-18.14*	
09 91 13 00-0233	EA	Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed	34.54	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For Electrostatic Painting, Add	*5.77*	
		For >5 To 10, Deduct	*-1.73*	
		For >10 To 25, Deduct	*-3.45*	
		For >25, Deduct	*-5.18*	
09 91 13 00-0234	EA	Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed	34.54	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For Electrostatic Painting, Add	*5.77*	
		For >5 To 10, Deduct	*-1.73*	
		For >10 To 25, Deduct	*-3.45*	
		For >25, Deduct	*-5.18*	
09 91 13 00-0235	EA	Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed	62.94	
		For Half Louvered Door, Add	*4.84*	
		For Full Louvered Door, Add	*8.07*	
		For Electrostatic Painting, Add	*10.89*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.44*	
09 91 13 00-0236	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed	62.01	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For Electrostatic Painting, Add	*10.36*	
		For >5 To 10, Deduct	*-3.10*	
		For >10 To 25, Deduct	*-6.20*	
		For >25, Deduct	*-9.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0237	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed	62.01	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For Electrostatic Painting, Add	*10.36*	
		For >5 To 10, Deduct	*-3.10*	
		For >10 To 25, Deduct	*-6.20*	
		For >25, Deduct	*-9.30*	
09 91 13 00-0238	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed	113.46	
		For Half Louvered Door, Add	*8.70*	
		For Full Louvered Door, Add	*14.51*	
		For Electrostatic Painting, Add	*19.66*	
		For >5 To 10, Deduct	*-5.67*	
		For >10 To 25, Deduct	*-11.35*	
		For >25, Deduct	*-17.02*	
09 91 13 00-0239	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	1.83	
		For Electrostatic Painting, Add	*0.22*	
09 91 13 00-0240	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	1.92	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0241	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	3.94	
		For Electrostatic Painting, Add	*0.48*	
09 91 13 00-0242	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	2.04	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0243	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	2.13	
		For Electrostatic Painting, Add	*0.26*	
09 91 13 00-0244	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	4.11	
		For Electrostatic Painting, Add	*0.50*	

09 91 13 00-0245 Paint Exterior Wood Doors *(09 91 13 00-0218)*

09 91 13 00-0246	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	33.45	
		For Half Louvered Door, Add	*3.49*	
		For Full Louvered Door, Add	*5.81*	
		For >5 To 10, Deduct	*-1.67*	
		For >10 To 25, Deduct	*-3.35*	
		For >25, Deduct	*-5.02*	
09 91 13 00-0247	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	33.45	
		For Half Louvered Door, Add	*3.49*	
		For Full Louvered Door, Add	*5.81*	
		For >5 To 10, Deduct	*-1.67*	
		For >10 To 25, Deduct	*-3.35*	
		For >25, Deduct	*-5.02*	
09 91 13 00-0248	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	59.54	
		For Half Louvered Door, Add	*5.89*	
		For Full Louvered Door, Add	*9.82*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.95*	
		For >25, Deduct	*-8.93*	
09 91 13 00-0249	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	60.03	
		For Half Louvered Door, Add	*6.26*	
		For Full Louvered Door, Add	*10.43*	
		For >5 To 10, Deduct	*-3.00*	
		For >10 To 25, Deduct	*-6.00*	
		For >25, Deduct	*-9.00*	
09 91 13 00-0250	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work	60.03	
		For Half Louvered Door, Add	*6.26*	
		For Full Louvered Door, Add	*10.43*	
		For >5 To 10, Deduct	*-3.00*	
		For >10 To 25, Deduct	*-6.00*	
		For >25, Deduct	*-9.00*	
09 91 13 00-0251	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work	107.20	
		For Half Louvered Door, Add	*10.58*	
		For Full Louvered Door, Add	*17.64*	
		For >5 To 10, Deduct	*-5.36*	
		For >10 To 25, Deduct	*-10.72*	
		For >25, Deduct	*-16.08*	
09 91 13 00-0252	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed	30.34	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For >5 To 10, Deduct	*-1.52*	
		For >10 To 25, Deduct	*-3.03*	
		For >25, Deduct	*-4.55*	
09 91 13 00-0253	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed	30.34	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For >5 To 10, Deduct	*-1.52*	
		For >10 To 25, Deduct	*-3.03*	
		For >25, Deduct	*-4.55*	
09 91 13 00-0254	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed	54.61	
		For Half Louvered Door, Add	*4.85*	
		For Full Louvered Door, Add	*8.08*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-5.46*	
		For >25, Deduct	*-8.19*	
09 91 13 00-0255	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed	54.46	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For >5 To 10, Deduct	*-2.72*	
		For >10 To 25, Deduct	*-5.45*	
		For >25, Deduct	*-8.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0256	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed	54.46	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For >5 To 10, Deduct	*-2.72*	
		For >10 To 25, Deduct	*-5.45*	
		For >25, Deduct	*-8.17*	
09 91 13 00-0257	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed	98.35	
		For Half Louvered Door, Add	*8.70*	
		For Full Louvered Door, Add	*14.51*	
		For >5 To 10, Deduct	*-4.92*	
		For >10 To 25, Deduct	*-9.84*	
		For >25, Deduct	*-14.75*	
09 91 13 00-0258	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	1.77	
09 91 13 00-0259	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	1.83	
09 91 13 00-0260	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	3.78	
09 91 13 00-0261	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	1.97	
09 91 13 00-0262	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	2.04	
09 91 13 00-0263	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	3.94	

09 91 13 00-0264 Paint Exterior Metal Windows *(09 91 13 00-0218)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0265	EA	Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim	61.44	
		For Electrostatic Painting, Add	*7.54*	
		For >5 To 10, Deduct	*-3.07*	
		For >10 To 25, Deduct	*-6.14*	
		For >25, Deduct	*-9.22*	
09 91 13 00-0266	EA	>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim	74.53	
		For Electrostatic Painting, Add	*9.61*	
		For >5 To 10, Deduct	*-3.73*	
		For >10 To 25, Deduct	*-7.45*	
		For >25, Deduct	*-11.18*	
09 91 13 00-0267	EA	>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim	100.63	
		For Electrostatic Painting, Add	*13.13*	
		For >5 To 10, Deduct	*-5.03*	
		For >10 To 25, Deduct	*-10.06*	
		For >25, Deduct	*-15.09*	
09 91 13 00-0268	EA	>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim	113.32	
		For Electrostatic Painting, Add	*14.80*	
		For >5 To 10, Deduct	*-5.67*	
		For >10 To 25, Deduct	*-11.33*	
		For >25, Deduct	*-17.00*	
09 91 13 00-0269	EA	>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim	125.65	
		For Electrostatic Painting, Add	*16.38*	
		For >5 To 10, Deduct	*-6.28*	
		For >10 To 25, Deduct	*-12.57*	
		For >25, Deduct	*-18.85*	
09 91 13 00-0270	SF	>34 SF Window Size, Paint Exterior Metal Window Including Trim	3.98	
		For Electrostatic Painting, Add	*0.52*	

09 91 13 00-0271 Paint Exterior Wood Windows *(09 91 13 00-0218)*

Note: Two finish coats paint over primer.

09 91 13 00-0272	EA	Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim	58.90	
		For >5 To 10, Deduct	*-2.95*	
		For >10 To 25, Deduct	*-5.89*	
		For >25, Deduct	*-8.84*	
09 91 13 00-0273	EA	>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim	70.60	
		For >5 To 10, Deduct	*-3.53*	
		For >10 To 25, Deduct	*-7.06*	
		For >25, Deduct	*-10.59*	
09 91 13 00-0274	EA	>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim	95.06	
		For >5 To 10, Deduct	*-4.75*	
		For >10 To 25, Deduct	*-9.51*	
		For >25, Deduct	*-14.26*	
09 91 13 00-0275	EA	>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim	107.03	
		For >5 To 10, Deduct	*-5.35*	
		For >10 To 25, Deduct	*-10.70*	
		For >25, Deduct	*-16.05*	
09 91 13 00-0276	EA	>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim	118.72	
		For >5 To 10, Deduct	*-5.94*	
		For >10 To 25, Deduct	*-11.87*	
		For >25, Deduct	*-17.81*	
09 91 13 00-0277	SF	>34 SF Window Size, Paint Exterior Wood Window Including Trim	3.97	

09 91 13 00-0278 Paint Exterior Security Screens *(09 91 13 00-0218)*

09 91 13 00-0279	SF	Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work	1.11	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0280	SF	Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work	1.14	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0281	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work	1.89	
		For Electrostatic Painting, Add	*0.23*	

09 91 13 00-0282 Paint Exterior Window Guards *(09 91 13 00-0218)*

09 91 13 00-0283	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.11	
09 91 13 00-0284	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.14	
09 91 13 00-0285	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	1.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0286		**Paint Exterior Window Trim** *(09 91 13 00-0218)*		
09 91 13 00-0287	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.97	
09 91 13 00-0288	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	0.97	
09 91 13 00-0289	LF	Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.57	
09 91 13 00-0290	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.13	
09 91 13 00-0291	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.13	
09 91 13 00-0292	LF	Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.89	
09 91 13 00-0293		**Paint Roofing And Trim** *(09 91 13)*		
09 91 13 00-0294		**Paint Stain Or Seal Wood Roofing** *(09 91 13 00-0293)*		
09 91 13 00-0295	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work	1.35	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0296	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work	2.48	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 91 13 00-0297		**Paint Metal Roofing** *(09 91 13 00-0293)*		
09 91 13 00-0298	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work	0.63	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0299	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work	1.08	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0300		**Paint Fascia Board** *(09 91 13 00-0293)*		
09 91 13 00-0301	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work	0.55	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0302	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work	0.55	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0303	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work	0.96	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0304		**Paint Soffit** *(09 91 13 00-0293)*		
09 91 13 00-0305	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.64	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0306	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work	0.64	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0307	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work	1.09	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0308		**Paint Site Work** *(09 91 13)*		
		Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0309		**Paint Structural Steel** *(09 91 13 00-0308)*		
09 91 13 00-0310		**Paint Structural Steel, Brush Work** *(09 91 13 00-0309)*		
09 91 13 00-0311	SF	Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.77	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0312	SF	Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work	0.68	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0313		**Paint Structural Steel, Spray Work** *(09 91 13 00-0309)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0314	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.55	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0315	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.45	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For Epoxy Paint, Add	*0.06*	

09 91 13 00-0316 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0309)*

09 91 13 00-0317	SF	Paint Exposed Metal Decking, 1 Coat Primer, Sprayed	0.61	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0318	SF	Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.61	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0319	SF	Paint Exposed Metal Decking, 2 Coats Paint, Sprayed	1.03	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0320	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work	0.87	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0321	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work	0.86	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0322	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work	1.62	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0323	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed	0.75	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0324	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed	0.75	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0325	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed	1.27	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.18*	

09 91 13 00-0326 Paint Steel Pipes *(09 91 13 00-0308)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0327	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer	1.20	
		For Electrostatic Painting, Add	*0.15*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0328	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer	1.36	
		For Electrostatic Painting, Add	*0.17*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0329	LF	Paint Steel Pipes 4" Diameter, 1 Coat Primer	1.53	
		For Electrostatic Painting, Add	*0.19*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0330	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	1.90	
		For Electrostatic Painting, Add	*0.24*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0331	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.42	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0332	LF	Paint Conduit, Steel Pipe 1/2"To 1-1/2" Diameter, 1 Coat Paint	1.20	
		For Electrostatic Painting, Add	*0.15*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0333	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.36	
		For Electrostatic Painting, Add	*0.17*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0334	LF	Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.53	
		For Electrostatic Painting, Add	*0.19*	
		For Epoxy Paint, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0335	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint	1.90	
		For Electrostatic Painting, Add	*0.24*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0336	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint	2.42	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0337	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.44	
		For Electrostatic Painting, Add	*0.32*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0338	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	2.70	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0339	LF	Paint Steel Pipes 4" Diameter, 2 Coats	2.91	
		For Electrostatic Painting, Add	*0.37*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0340	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats	3.69	
		For Electrostatic Painting, Add	*0.47*	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0341	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats	4.54	
		For Electrostatic Painting, Add	*0.58*	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0342	EA	Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint	5.99	
		For Electrostatic Painting, Add	*0.63*	
		For Epoxy Paint, Add	*0.36*	

09 91 13 00-0343 Paint Fencing *(09 91 13 00-0308)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0344	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller	0.61	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0345	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	1.13	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0346	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.55	
		For Epoxy Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0347	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed	1.02	
		For Epoxy Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.15*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0348	SF	Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.56	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0349	SF	Paint Wrought Iron Fence, 1 Coat, Brush/Roller	0.53	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0350	SF	Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.37	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
09 91 13 00-0351	SF	Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.70	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0352	SF	Paint Picket Fence, 1 Coat, Brush/Roller	0.70	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0353	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.50	
		For Epoxy Paint, Add	*0.04*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0354	SF	Paint Wood Fences 1 Coat, Brush/Roller	0.52	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0355	SF	Paint Wood Fences 2 Coats, Brush/Roller	0.92	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0356	SF	Paint Wood Fences 1 Coat, Sprayed	0.40	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0357	SF	Paint Wood Fences 2 Coats, Sprayed	0.76	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	

09 91 13 00-0358 Paint Metal Louvers *(09 91 13 00-0308)*

09 91 13 00-0359	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.07	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0360	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.09	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0361	SF	Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	2.22	
		For Electrostatic Painting, Add	*0.27*	

09 91 13 00-0362 Paint Ladders *(09 91 13 00-0308)*

09 91 13 00-0363	LF	Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	2.96	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0364	LF	Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	3.30	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0365	LF	Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	6.53	
		For Epoxy Paint, Add	*0.37*	

09 91 13 00-0366 Paint Handrails *(09 91 13 00-0308)*

09 91 13 00-0367	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.17	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0368	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.30	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0369	LF	Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.14	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0370	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	2.11	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0371	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.31	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0372	LF	Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	3.97	
		For Epoxy Paint, Add	*0.41*	
09 91 13 00-0373	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	2.27	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0374	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.49	
		For Epoxy Paint, Add	*0.27*	
09 91 13 00-0375	LF	Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	4.22	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0376	LF	Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	1.28	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0377	LF	Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	1.40	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0378	LF	Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	2.54	
		For Epoxy Paint, Add	*0.27*	

09 91 13 00-0379 Paint Grating *(09 91 13 00-0308)*

09 91 13 00-0380	SF	Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	2.14	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0381	SF	Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	2.18	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0382	SF	Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	3.27	
		For Epoxy Paint, Add	*0.24*	

09 91 13 00-0383 Other Site Work Painting *(09 91 13 00-0308)*

09 91 13 00-0384 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0383)*

09 91 13 00-0385	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work	2.31	
09 91 13 00-0386	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work	2.32	
09 91 13 00-0387	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work	4.12	
09 91 13 00-0388	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed	1.35	
09 91 13 00-0389	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed	1.36	
09 91 13 00-0390	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed	2.49	

09 91 13 00-0391 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0383)*

09 91 13 00-0392	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work	2.87	
09 91 13 00-0393	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work	2.88	
09 91 13 00-0394	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work	5.11	
09 91 13 00-0395	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed	1.64	
09 91 13 00-0396	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed	1.65	
09 91 13 00-0397	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed	3.04	

09 91 13 00-0398 Paint Flagpoles *(09 91 13 00-0383)*

09 91 13 00-0399	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint	152.92	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0400	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint	205.95	
09 91 13 00-0401	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint	259.02	
09 91 13 00-0402	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint	312.08	
09 91 13 00-0403	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint	414.53	
09 91 13 00-0404	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint	467.13	
09 91 13 00-0405	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint	519.74	

09 91 13 00-0406 Paint Lattice Or Trellis *(09 91 13 00-0383)*

09 91 13 00-0407	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.06	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0408	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	1.96	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	

09 91 13 00-0409 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0410 Paint Exterior Concrete Stairs *(09 91 13 00-0409)*

09 91 13 00-0411	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	12.80	
09 91 13 00-0412	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	12.80	
09 91 13 00-0413	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	16.27	
09 91 13 00-0414	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	26.27	
09 91 13 00-0415	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	25.60	

09 91 13 00-0416 Paint Exterior Metal Stairs *(09 91 13 00-0409)*

09 91 13 00-0417	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	6.72	
		For Oil Based Paint, Add	*0.36*	
09 91 13 00-0418	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	6.72	
		For Oil Based Paint, Add	*0.36*	
09 91 13 00-0419	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	13.45	
		For Oil Based Paint, Add	*0.72*	

09 91 13 00-0420 Paint Exterior Wood Stairs *(09 91 13 00-0409)*

09 91 13 00-0421	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	6.58	
09 91 13 00-0422	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	6.58	
09 91 13 00-0423	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	10.05	
09 91 13 00-0424	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	20.05	
09 91 13 00-0425	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	13.16	

09 91 13 00-0426 Paint Exterior Stair Nosing *(09 91 13 00-0409)*

09 91 13 00-0427	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.15	

09 91 13 00-0428 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0429 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0428)*

09 91 13 00-0430	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	0.93	
09 91 13 00-0431	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	0.93	
09 91 13 00-0432	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.71	
09 91 13 00-0433	SF	Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.75	
09 91 13 00-0434	SF	Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.84	
09 91 13 00-0435	SF	Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.53	
09 91 13 00-0436	LF	Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	1.37	
09 91 13 00-0437	LF	Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	1.76	

09 91 13 00-0438 Paint Exterior Wood Trim *(09 91 13 00-0428)*

09 91 13 00-0439	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.14	
		For Oil Based Paint, Add	*0.07*	
09 91 13 00-0440	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.25	
		For Oil Based Paint, Add	*0.07*	
09 91 13 00-0441	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.25	
		For Oil Based Paint, Add	*0.13*	
09 91 13 00-0442	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	0.90	
		For Oil Based Paint, Add	*0.05*	
09 91 13 00-0443	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.01	
		For Oil Based Paint, Add	*0.06*	
09 91 13 00-0444	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	1.87	
		For Oil Based Paint, Add	*0.12*	

09 91 13 00-0445 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0446	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.02	
		For Epoxy Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0447	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	0.95	
		For Epoxy Paint, Add	*0.09*	
		For Electrostatic Painting, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0448	SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.94	
		For Epoxy Paint, Add	*0.19*	
		For Electrostatic Painting, Add	*0.24*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

09 91 23 00-0003	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush Work	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0004	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush Work	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0005	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0006	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0008	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.31	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0009	SF	Paint Interior Brick Walls, 1 Coat Filler, Sprayed	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0010	SF	Paint Interior Brick Walls, 1 Coat Paint, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0011	SF	Paint Interior Brick Walls, 2 Coats Paint, Sprayed	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0012	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work	0.78	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0013	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.64	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0014	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray	0.58	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 91 23 00-0015 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0016	SF	Paint Interior Concrete Walls, 1 Coat Filler, Brush Work	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0017	SF	Paint Interior Concrete Walls, 1 Coat Paint, Brush Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018	SF	Paint Interior Concrete Walls, 2 Coats Paint, Brush Work	1.29	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0019	SF	Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0020	SF	Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work	0.59	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0021	SF	Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0022	SF	Paint Interior Concrete Walls, 1 Coat Filler, Sprayed	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023	SF	Paint Interior Concrete Walls, 1 Coat Paint, Sprayed	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0024	SF	Paint Interior Concrete Walls, 2 Coats Paint, Sprayed	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0025	SF	Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work	0.67	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0026	SF	Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.54	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0027	SF	Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed	0.46	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

09 91 23 00-0028 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0030	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	0.89	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0031	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	1.02	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0032	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.83	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0033	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.72	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0034	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.80	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0035	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.52	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0036	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.60	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0037	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed	0.73	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0038	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed	1.32	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0028)*

09 91 23 00-0040	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0041	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0042	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work	1.78	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0043	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush Work	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0044	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0045	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0046	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.48	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0047	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0048	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0049	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0050	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0051 SF Paint Interior Concrete Block Walls, Texture Coat, Sprayed	0.82	
For Oil Based Paint, Add	*0.05*	
For Work >15' To 20' Above Floor, Add	*0.08*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.14*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.22*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.31*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.46*	
For >100 To 250, Add	*0.22*	
For >250 To 500, Add	*0.10*	
For >2,500 To 5,000, Deduct	*-0.04*	
For >5,000 To 10,000, Deduct	*-0.08*	
For >10,000 To 20,000, Deduct	*-0.12*	
For >20,000, Deduct	*-0.16*	

09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0028)*

09 91 23 00-0053 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush	0.85	
For Work >15' To 20' Above Floor, Add	*0.11*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.18*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.28*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.39*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.55*	
For >100 To 250, Add	*0.26*	
For >250 To 500, Add	*0.11*	
For >2,500 To 5,000, Deduct	*-0.04*	
For >5,000 To 10,000, Deduct	*-0.09*	
For >10,000 To 20,000, Deduct	*-0.13*	
For >20,000, Deduct	*-0.17*	
09 91 23 00-0054 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.72	
For Work >15' To 20' Above Floor, Add	*0.09*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.14*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.23*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.31*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.45*	
For >100 To 250, Add	*0.21*	
For >250 To 500, Add	*0.09*	
For >2,500 To 5,000, Deduct	*-0.04*	
For >5,000 To 10,000, Deduct	*-0.07*	
For >10,000 To 20,000, Deduct	*-0.11*	
For >20,000, Deduct	*-0.14*	
09 91 23 00-0055 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed	0.64	
For Work >15' To 20' Above Floor, Add	*0.07*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*0.11*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*0.18*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*0.24*	
Note: Applied only to work area above 40'.		
For Up To 100, Add	*0.36*	
For >100 To 250, Add	*0.17*	
For >250 To 500, Add	*0.08*	
For >2,500 To 5,000, Deduct	*-0.03*	
For >5,000 To 10,000, Deduct	*-0.06*	
For >10,000 To 20,000, Deduct	*-0.10*	
For >20,000, Deduct	*-0.13*	

09 91 23 00-0056 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0057 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0056)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0058	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0059	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.06*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0060	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.12*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0061	SF	Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush	1.85	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.26*	
		For Epoxy Paint, Add	*0.17*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0062	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0063	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Epoxy Paint, Add	*0.06*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0064	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.11*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0065	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0067	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0056)*

09 91 23 00-0069	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed	1.35	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0070	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed	1.46	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0071	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed	1.56	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0072		Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0056)*		
09 91 23 00-0073	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed	0.57	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0074	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed	0.67	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0075	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed	1.04	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0076	SF	Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder)	1.15	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0077		Paint Interior Metal Walls *(09 91 23 00-0001)*		
09 91 23 00-0078		Paint Interior Galvanized Walls *(09 91 23 00-0077)*		
		Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF	Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work	0.83	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0080	SF	Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0081	SF	Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work	1.67	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0082	SF	Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work	0.62	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0083	SF	Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work	0.72	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0084	SF	Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.34	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0085	SF	Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed	0.52	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0086	SF	Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed	0.68	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0087	SF	Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed	1.13	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0077)*

Note: Alkyd enamel paint.

09 91 23 00-0089	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work	0.83	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0090	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.66	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0092	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work	0.69	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0093	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.78	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0094	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.45	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0095	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.57	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed	0.68	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0097	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	1.13	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 23 00-0098 Paint Interior Corrugated Metal Walls *(09 91 23 00-0077)*

09 91 23 00-0099	SF	Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.63	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0100	SF	Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.86	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0101	SF	Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.43	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0102 Paint Interior Stucco Walls *(09 91 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0103	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0104	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0105	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.15	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0106	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush/Roller Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0107	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush/Roller Work	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0108	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush/Roller Work	1.73	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0109	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0110	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Sprayed	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0111	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Sprayed	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0112 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0113 Interior Wood Walls *(09 91 23 00-0112)*

09 91 23 00-0114	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0115	SF	Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0116	SF	Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work	2.14	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0117	SF	Paint Interior Wood Wall Surfaces, 1 Coat Primer, Brush/Roller Work	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0118	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0119	SF	Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120	SF	Paint Interior Wood Wall Surfaces, 1 Coat Primer, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0121	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Sprayed	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0122	SF	Paint Interior Wood Wall Surfaces, 2 Coats Paint, Sprayed	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 23 00-0123 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0124 Paint Interior Acoustical Ceilings *(09 91 23 00-0123)*

Note: Includes grid.

09 91 23 00-0125	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0126	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0127	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0128	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0129	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0130	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0131	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0132	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0133	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0134 Paint Interior Concrete Ceilings *(09 91 23 00-0123)*

09 91 23 00-0135	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0136	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work	0.80	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0137	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0138	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0139	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0140	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0141	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0142	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0143	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0144	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work	0.75	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0145	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller	0.58	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0146	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed	0.56	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0123)*

09 91 23 00-0148	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.74	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.81	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0150	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.42	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0151	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.63	
		For Epoxy Paint, Add	*0.06*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0152	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.63	
		For Epoxy Paint, Add	*0.06*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0153	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.15	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0154	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.57	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0155	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed	0.55	
		For Epoxy Paint, Add	*0.06*	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0156	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed	0.89	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0157 Paint Interior Metal Ceilings *(09 91 23 00-0123)*

09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0157)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0159	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0160	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work	1.00	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0161	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.84	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0162	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.71	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0163	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.80	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0164	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.47	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0165	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.68	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0166	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.78	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0167	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.24	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0157)*

Note: Alkyd enamel paint.

09 91 23 00-0169	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0170	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.00	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0171	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.84	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0172	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.78	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0173	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.87	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0174	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.63	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0175	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.68	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0176	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.78	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0177	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	1.24	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 23 00-0178 Paint Interior Ceiling Tile Grid *(09 91 23 00-0157)*

Note: Grid only.

09 91 23 00-0179	LF	Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work	0.19	
		For Electrostatic Painting, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0180	LF	Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work	0.39	
		For Electrostatic Painting, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0181 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0157)*

09 91 23 00-0182	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.90	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0183	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	1.03	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0184	SF	Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.66	
		For Electrostatic Painting, Add	*0.26*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 23 00-0185 Paint Interior Wood Ceilings *(09 91 23 00-0123)*

09 91 23 00-0186 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0185)*

09 91 23 00-0187	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0188	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	0.93	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0189	SF	Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	1.69	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0190	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0191	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0192	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0193	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0194	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0195	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	

09 91 23 00-0196 Paint Interior Wood Beams *(09 91 23 00-0123)*

09 91 23 00-0197	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush Work	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0198	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush Work	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0199	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush Work	1.84	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0200	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0201	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0202	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0203	SF	Paint Interior Wood Beams, 1 Coat Primer, Sprayed	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0204	SF	Paint Interior Wood Beams, 1 Coat Paint, Sprayed	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0205	SF	Paint Interior Wood Beams, 2 Coats Paint, Sprayed	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

09 91 23 00-0206 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0207 Paint Interior Concrete Floors And Decks *(09 91 23 00-0206)*

09 91 23 00-0208	SF	Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0209	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0210	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0211	SF	Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0212	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0213	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0214	SF	Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0215	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0216	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0217	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush	0.58	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0218	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work	0.57	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0219	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed	0.45	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0220	SF	Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.46	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0221	SF	Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251)	3.95	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.79*	

09 91 23 00-0222 Paint Interior Wood Floors And Decks *(09 91 23 00-0206)*

09 91 23 00-0223	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0224	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0225	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0226	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0227	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0228	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0229	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0230	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0231	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0232	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.46	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0233	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	3.95	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.79*	

09 91 23 00-0234 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0235 Paint Interior Door Frames *(09 91 23 00-0234)*

09 91 23 00-0236	LF	Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.22*	
09 91 23 00-0237	LF	Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.10	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.29*	
09 91 23 00-0238	LF	Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.86	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.48*	
09 91 23 00-0239	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.23*	
09 91 23 00-0240	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0241	LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.89	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.50*	

09 91 23 00-0242 Paint Interior Metal Doors *(09 91 23 00-0234)*

09 91 23 00-0243	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	39.85	
		For Electrostatic Painting, Add	*6.09*	
		For Half Louvered Door, Add	*3.87*	
		For Full Louvered Door, Add	*6.46*	
		For Oil Based Paint, Add	*2.69*	
		For >5 To 10, Deduct	*-1.99*	
		For >10 To 25, Deduct	*-3.99*	
		For >25, Deduct	*-5.98*	
09 91 23 00-0244	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work	39.85	
		For Electrostatic Painting, Add	*6.09*	
		For Half Louvered Door, Add	*3.87*	
		For Full Louvered Door, Add	*6.46*	
		For Oil Based Paint, Add	*2.69*	
		For >5 To 10, Deduct	*-1.99*	
		For >10 To 25, Deduct	*-3.99*	
		For >25, Deduct	*-5.98*	
09 91 23 00-0245	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	71.50	
		For Electrostatic Painting, Add	*11.33*	
		For Half Louvered Door, Add	*6.54*	
		For Full Louvered Door, Add	*10.91*	
		For Oil Based Paint, Add	*4.97*	
		For >5 To 10, Deduct	*-3.58*	
		For >10 To 25, Deduct	*-7.15*	
		For >25, Deduct	*-10.73*	
09 91 23 00-0246	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work	71.52	
		For Electrostatic Painting, Add	*10.93*	
		For Half Louvered Door, Add	*6.95*	
		For Full Louvered Door, Add	*11.58*	
		For Oil Based Paint, Add	*4.84*	
		For >5 To 10, Deduct	*-3.58*	
		For >10 To 25, Deduct	*-7.15*	
		For >25, Deduct	*-10.73*	
09 91 23 00-0247	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	71.53	
		For Electrostatic Painting, Add	*10.93*	
		For Half Louvered Door, Add	*6.95*	
		For Full Louvered Door, Add	*11.58*	
		For Oil Based Paint, Add	*4.84*	
		For >5 To 10, Deduct	*-3.58*	
		For >10 To 25, Deduct	*-7.15*	
		For >25, Deduct	*-10.73*	
09 91 23 00-0248	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	128.77	
		For Electrostatic Painting, Add	*20.44*	
		For Half Louvered Door, Add	*11.76*	
		For Full Louvered Door, Add	*19.59*	
		For Oil Based Paint, Add	*8.96*	
		For >5 To 10, Deduct	*-6.44*	
		For >10 To 25, Deduct	*-12.88*	
		For >25, Deduct	*-19.32*	
09 91 23 00-0249	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed	34.54	
		For Electrostatic Painting, Add	*5.77*	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For Oil Based Paint, Add	*2.50*	
		For >5 To 10, Deduct	*-1.73*	
		For >10 To 25, Deduct	*-3.45*	
		For >25, Deduct	*-5.18*	
09 91 23 00-0250	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed	34.54	
		For Electrostatic Painting, Add	*5.77*	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For Oil Based Paint, Add	*2.50*	
		For >5 To 10, Deduct	*-1.73*	
		For >10 To 25, Deduct	*-3.45*	
		For >25, Deduct	*-5.18*	
09 91 23 00-0251	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed	62.94	
		For Electrostatic Painting, Add	*10.89*	
		For Half Louvered Door, Add	*4.84*	
		For Full Louvered Door, Add	*8.07*	
		For Oil Based Paint, Add	*4.68*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.44*	
09 91 23 00-0252	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed	62.01	
		For Electrostatic Painting, Add	*10.36*	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For Oil Based Paint, Add	*4.49*	
		For >5 To 10, Deduct	*-3.10*	
		For >10 To 25, Deduct	*-6.20*	
		For >25, Deduct	*-9.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0253	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed	62.01	
		For Electrostatic Painting, Add	*10.36*	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For Oil Based Paint, Add	*4.49*	
		For >5 To 10, Deduct	*-3.10*	
		For >10 To 25, Deduct	*-6.20*	
		For >25, Deduct	*-9.30*	
09 91 23 00-0254	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed	113.46	
		For Electrostatic Painting, Add	*19.66*	
		For Half Louvered Door, Add	*8.70*	
		For Full Louvered Door, Add	*14.51*	
		For Oil Based Paint, Add	*8.45*	
		For >5 To 10, Deduct	*-5.67*	
		For >10 To 25, Deduct	*-11.35*	
		For >25, Deduct	*-17.02*	

09 91 23 00-0255 Paint Interior Wood Doors *(09 91 23 00-0234)*

09 91 23 00-0256	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	36.03	
		For Oil Based Paint, Add	*2.31*	
		For Half Louvered Door, Add	*3.87*	
		For Full Louvered Door, Add	*6.46*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.60*	
		For >25, Deduct	*-5.40*	
09 91 23 00-0257	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	36.03	
		For Oil Based Paint, Add	*2.31*	
		For Half Louvered Door, Add	*3.87*	
		For Full Louvered Door, Add	*6.46*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.60*	
		For >25, Deduct	*-5.40*	
09 91 23 00-0258	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	63.91	
		For Oil Based Paint, Add	*4.21*	
		For Half Louvered Door, Add	*6.55*	
		For Full Louvered Door, Add	*10.91*	
		For >5 To 10, Deduct	*-3.20*	
		For >10 To 25, Deduct	*-6.39*	
		For >25, Deduct	*-9.59*	
09 91 23 00-0259	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	64.66	
		For Oil Based Paint, Add	*4.15*	
		For Half Louvered Door, Add	*6.95*	
		For Full Louvered Door, Add	*11.58*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.47*	
		For >25, Deduct	*-9.70*	
09 91 23 00-0260	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work	64.66	
		For Oil Based Paint, Add	*4.15*	
		For Half Louvered Door, Add	*6.95*	
		For Full Louvered Door, Add	*11.58*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.47*	
		For >25, Deduct	*-9.70*	
09 91 23 00-0261	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work	115.03	
		For Oil Based Paint, Add	*7.58*	
		For Half Louvered Door, Add	*11.76*	
		For Full Louvered Door, Add	*19.59*	
		For >5 To 10, Deduct	*-5.75*	
		For >10 To 25, Deduct	*-11.50*	
		For >25, Deduct	*-17.25*	
09 91 23 00-0262	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed	30.34	
		For Oil Based Paint, Add	*2.08*	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For >5 To 10, Deduct	*-1.52*	
		For >10 To 25, Deduct	*-3.03*	
		For >25, Deduct	*-4.55*	
09 91 23 00-0263	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed	30.34	
		For Oil Based Paint, Add	*2.08*	
		For Half Louvered Door, Add	*2.87*	
		For Full Louvered Door, Add	*4.78*	
		For >5 To 10, Deduct	*-1.52*	
		For >10 To 25, Deduct	*-3.03*	
		For >25, Deduct	*-4.55*	
09 91 23 00-0264	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed	54.61	
		For Oil Based Paint, Add	*3.85*	
		For Half Louvered Door, Add	*4.85*	
		For Full Louvered Door, Add	*8.08*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-5.46*	
		For >25, Deduct	*-8.19*	
09 91 23 00-0265	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed	54.46	
		For Oil Based Paint, Add	*3.73*	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For >5 To 10, Deduct	*-2.72*	
		For >10 To 25, Deduct	*-5.45*	
		For >25, Deduct	*-8.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0266	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed	54.46	
		For Oil Based Paint, Add	*3.73*	
		For Half Louvered Door, Add	*5.14*	
		For Full Louvered Door, Add	*8.57*	
		For >5 To 10, Deduct	*-2.72*	
		For >10 To 25, Deduct	*-5.45*	
		For >25, Deduct	*-8.17*	
09 91 23 00-0267	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed	98.35	
		For Oil Based Paint, Add	*6.93*	
		For Half Louvered Door, Add	*8.70*	
		For Full Louvered Door, Add	*14.51*	
		For >5 To 10, Deduct	*-4.92*	
		For >10 To 25, Deduct	*-9.84*	
		For >25, Deduct	*-14.75*	

09 91 23 00-0268 Paint Interior Metal Windows *(09 91 23 00-0234)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0269	EA	Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	67.23	
		For Oil Based Paint, Add	*3.83*	
		For Electrostatic Painting, Add	*8.12*	
		For >5 To 10, Deduct	*-3.36*	
		For >10 To 25, Deduct	*-6.72*	
		For >25, Deduct	*-10.08*	
09 91 23 00-0270	EA	>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	81.21	
		For Oil Based Paint, Add	*4.78*	
		For Electrostatic Painting, Add	*10.28*	
		For >5 To 10, Deduct	*-4.06*	
		For >10 To 25, Deduct	*-8.12*	
		For >25, Deduct	*-12.18*	
09 91 23 00-0271	EA	>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	109.54	
		For Oil Based Paint, Add	*6.50*	
		For Electrostatic Painting, Add	*14.02*	
		For >5 To 10, Deduct	*-5.48*	
		For >10 To 25, Deduct	*-10.95*	
		For >25, Deduct	*-16.43*	
09 91 23 00-0272	EA	>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	123.35	
		For Oil Based Paint, Add	*7.32*	
		For Electrostatic Painting, Add	*15.80*	
		For >5 To 10, Deduct	*-6.17*	
		For >10 To 25, Deduct	*-12.34*	
		For >25, Deduct	*-18.50*	
09 91 23 00-0273	EA	>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	136.79	
		For Oil Based Paint, Add	*8.11*	
		For Electrostatic Painting, Add	*17.49*	
		For >5 To 10, Deduct	*-6.84*	
		For >10 To 25, Deduct	*-13.68*	
		For >25, Deduct	*-20.52*	
09 91 23 00-0274	SF	>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	4.34	
		For Oil Based Paint, Add	*0.26*	
		For Electrostatic Painting, Add	*0.55*	

09 91 23 00-0275 Wood Windows *(09 91 23 00-0234)*

Note: Two finish coats paint over primer.

09 91 23 00-0276	EA	Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	64.69	
		For Oil Based Paint, Add	*3.57*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.47*	
		For >25, Deduct	*-9.70*	
09 91 23 00-0277	EA	>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	77.28	
		For Oil Based Paint, Add	*4.39*	
		For >5 To 10, Deduct	*-3.86*	
		For >10 To 25, Deduct	*-7.73*	
		For >25, Deduct	*-11.59*	
09 91 23 00-0278	EA	>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	114.89	
		For Oil Based Paint, Add	*6.49*	
		For >5 To 10, Deduct	*-5.74*	
		For >10 To 25, Deduct	*-11.49*	
		For >25, Deduct	*-17.23*	
09 91 23 00-0279	EA	>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	129.34	
		For Oil Based Paint, Add	*7.31*	
		For >5 To 10, Deduct	*-6.47*	
		For >10 To 25, Deduct	*-12.93*	
		For >25, Deduct	*-19.40*	
09 91 23 00-0280	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	129.86	
		For Oil Based Paint, Add	*7.42*	
		For >5 To 10, Deduct	*-6.49*	
		For >10 To 25, Deduct	*-12.99*	
		For >25, Deduct	*-19.48*	
09 91 23 00-0281	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	4.34	
		For Oil Based Paint, Add	*0.25*	

09 91 23 00-0282 Paint Interior Security Screens *(09 91 23 00-0234)*

09 91 23 00-0283	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0284	SF	Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work	1.14	
		For Oil Based Paint, Add	*0.06*	
		For Electrostatic Painting, Add	*0.14*	
09 91 23 00-0285	SF	Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work	1.89	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.23*	
09 91 23 00-0286		**Paint Interior Window Guards** *(09 91 23 00-0234)*		
09 91 23 00-0287	SF	Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0288	SF	Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.14	
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0289	SF	Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	1.89	
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0290		**Paint Interior Window Trim** *(09 91 23 00-0234)*		
09 91 23 00-0291	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.29*	
09 91 23 00-0292	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.29*	
09 91 23 00-0293	LF	Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.33	
		For Oil Based Paint, Add	*0.14*	
		For Painting One Face Of Frame Only, Deduct	*-0.64*	
09 91 23 00-0294	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work Note: Brush/roller work.	1.18	
		For Painting One Face Of Frame Only, Deduct	*-0.34*	
09 91 23 00-0295	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work Note: Brush/roller work.	1.18	
		For Painting One Face Of Frame Only, Deduct	*-0.34*	
09 91 23 00-0296	LF	Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work Note: Brush/roller work.	2.56	
		For Painting One Face Of Frame Only, Deduct	*-0.73*	
09 91 23 00-0297		**Paint Interior Cabinets And Casework** *(09 91 23)*		
09 91 23 00-0298		**Paint Interior Wood Cabinets And Casework** *(09 91 23 00-0297)*		
09 91 23 00-0299	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work	0.94	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0300	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work	1.30	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0301	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work	2.07	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0302		**Paint Exposed Metal Lockers** *(09 91 23 00-0297)*		
09 91 23 00-0303	SF	Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work	1.02	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0304	SF	Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work	1.05	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0305	SF	Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work	1.94	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0306		**Paint Interior Stairs** *(09 91 23)*		
09 91 23 00-0307		**Paint Interior Concrete Stairs** *(09 91 23 00-0306)* Note: Includes the riser and tread.		
09 91 23 00-0308	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	14.18	
09 91 23 00-0309	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	14.18	
09 91 23 00-0310	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work Note: Excludes riser.	10.75	
09 91 23 00-0311	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work Note: Excludes riser.	20.75	
09 91 23 00-0312	RSR	Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	28.35	
09 91 23 00-0313		**Paint Interior Metal Stairs** *(09 91 23 00-0306)* Note: Includes the riser and tread.		
09 91 23 00-0314	RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0315	RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.42	
09 91 23 00-0316	RSR	Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.83	
09 91 23 00-0317		**Paint Interior Wood Stairs** *(09 91 23 00-0306)*		
		Note: Includes the riser and tread.		
09 91 23 00-0318	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.28	
09 91 23 00-0319	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.27	
09 91 23 00-0320	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	7.29	
		Note: Excludes riser.		
09 91 23 00-0321	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	17.29	
		Note: Excludes riser.		
09 91 23 00-0322	RSR	Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.54	
09 91 23 00-0323		**Paint Interior Stair Nosing** *(09 91 23 00-0306)*		
09 91 23 00-0324	LF	Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.15	
09 91 23 00-0325		**Paint Interior Trim** *(09 91 23)*		
09 91 23 00-0326		**Paint Interior Metal Trim** *(09 91 23 00-0325)*		
09 91 23 00-0327	SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.02	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0328	SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.02	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0329	SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.87	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0330	SF	Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work	7.33	
		For Work >15' To 20' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.80*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*2.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*3.96*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0331	SF	Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.85	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0332	SF	Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.55	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0333		**Paint Interior Wood Trim** *(09 91 23 00-0325)*		
09 91 23 00-0334	LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work	0.59	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0335	LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work	0.65	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.04*	
09 91 23 00-0336	LF	Paint Interior Wood Trim To 6" Wide, 2 Coats Paint	1.35	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0337	SF	Paint Interior Wood Trim, 1 Coat Primer, Brush Work	1.78	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0338	SF	Paint Interior Wood Trim, 1 Coat Paint, Brush Work	1.98	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0339	SF	Paint Interior Wood Trim, 2 Coats Paint, Brush Work	3.58	
		For Work >15' To 20' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.73*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.20*	
09 91 23 00-0340	SF	Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.46	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.08*	
09 91 23 00-0341	SF	Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.63	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0342	SF	Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.92	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.37*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.17*	

09 91 23 00-0343 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0344	EA	Up To 1" High, Stencil Painting, Per Letter/Number	1.47	
		For >200 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0345	EA	1" To 2" High, Stencil Painting, Per Letter/Number	1.70	
		For >200 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.27*	
		For >2,000, Deduct	*-0.34*	
09 91 23 00-0346	EA	2" To 3" High, Stencil Painting, Per Letter/Number	2.88	
		For >200 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 2,000, Deduct	*-0.46*	
		For >2,000, Deduct	*-0.58*	
09 91 23 00-0347	EA	3" To 4" High, Stencil Painting, Per Letter/Number	3.53	
		For >200 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.56*	
		For >2,000, Deduct	*-0.71*	
09 91 23 00-0348	EA	4" To 6" High, Stencil Painting, Per Letter/Number	4.85	
		For >200 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000 To 2,000, Deduct	*-0.78*	
		For >2,000, Deduct	*-0.97*	
09 91 23 00-0349	EA	6" To 12" High, Stencil Painting, Per Letter/Number	6.45	
		For >200 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.29*	
09 91 23 00-0350	EA	Over 12" High, Stencil Painting, Per Letter/Number	7.61	
		For >200 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000 To 2,000, Deduct	*-1.22*	
		For >2,000, Deduct	*-1.52*	

09 91 23 00-0351 Logo Painting *(09 91 23)*

09 91 23 00-0352	SF	Paint Logo (Simple Design)	28.01	
09 91 23 00-0353	SF	Paint Logo (Complex Design)	32.89	

09 91 23 00-0354 Paint Additives *(09 91 23)*

09 91 23 00-0355	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0356	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.04	
		For Class "A" Fire Rating, Add	*0.04*	

09 91 23 00-0357 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0358	EA	Up To 1" High, Hand Paint, Per Letter/Number	1.80	
09 91 23 00-0359	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.10	
09 91 23 00-0360	EA	2" To 3" High, Hand Paint, Per Letter/Number	3.18	
09 91 23 00-0361	EA	3" To 4" High, Hand Paint, Per Letter/Number	3.90	
09 91 23 00-0362	EA	4" To 6" High, Hand Paint, Per Letter/Number	5.38	
09 91 23 00-0363	EA	6" To 12" High, Hand Paint, Per Letter/Number	6.82	
09 91 23 00-0364	EA	Over 12" High, Hand Paint, Per Letter/Number	7.99	

09 91 23 00-0365 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0366 Conduit/Pipe *(09 91 23 00-0365)*

09 91 23 00-0367	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	34.11	
		For Work >15' To 20' Above Floor, Add	*4.81*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*12.83*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*17.64*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0368	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	54.90	
		For Work >15' To 20' Above Floor, Add	*5.77*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*15.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*21.17*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0369	CSF	Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	43.00	
		For Work >15' To 20' Above Floor, Add	*4.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*7.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*11.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*15.52*	
		Note: Applied only to work area above 40'.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0370 CSF Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	35.01	
For Work >15' To 20' Above Floor, Add	*3.18*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*5.29*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*8.47*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*11.64*	
Note: Applied only to work area above 40'.		
09 91 23 00-0371 CSF Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt	65.46	
For Work >15' To 20' Above Floor, Add	*4.81*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*8.02*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*12.83*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*17.64*	
Note: Applied only to work area above 40'.		
09 91 23 00-0372 CSF Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt	60.22	
For Work >15' To 20' Above Floor, Add	*4.23*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*7.06*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*11.29*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*15.52*	
Note: Applied only to work area above 40'.		

09 91 23 00-0373 Ductwork *(09 91 23 00-0365)*

09 91 23 00-0374 CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	34.11	
For Work >15' To 20' Above Floor, Add	*4.81*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*8.02*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*12.83*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*17.64*	
Note: Applied only to work area above 40'.		
09 91 23 00-0375 CSF Metal Primer Ductwork With Glove/Mitt	50.29	
For Work >15' To 20' Above Floor, Add	*4.81*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*8.02*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*12.83*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*17.64*	
Note: Applied only to work area above 40'.		
09 91 23 00-0376 CSF Enamel, Oil Base Paint Ductwork With Glove/Mitt	39.08	
For Work >15' To 20' Above Floor, Add	*3.85*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*6.42*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*10.26*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*14.11*	
Note: Applied only to work area above 40'.		
09 91 23 00-0377 CSF Epoxy Coating, First Coat Ductwork With Glove/Mitt	63.06	
For Work >15' To 20' Above Floor, Add	*4.81*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*8.02*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*12.83*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*17.64*	
Note: Applied only to work area above 40'.		
09 91 23 00-0378 CSF Epoxy Coating, Second Coat Ductwork With Glove/Mitt	54.70	
For Work >15' To 20' Above Floor, Add	*3.85*	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	*6.42*	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	*10.26*	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	*14.11*	
Note: Applied only to work area above 40'.		

09 91 23 00-0379 Paint Interior Miscellaneous Metal Surfaces *(09 91 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0380	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work	0.61	
		For Electrostatic Painting, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0381	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	0.77	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0382	SF	Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.25	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0383	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed	0.83	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0384	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed	0.83	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0385	SF	Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed	1.28	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	34.69
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	24.75
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	31.38
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	79.38
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	25.88
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	39.90
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	32.03
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	24.75
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	22.48
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	39.63
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	33.00
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	33.00
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	37.20
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	24.26
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	59.37
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	25.88
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	20.70
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	53.54
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	33.39
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	37.67

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	18.12
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	89.83
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	9.71
		Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	56.13
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	29.44
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	9.71
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	14.72
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	29.76
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	39.63
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	32.35
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	29.66
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	28.15
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	33.16
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	29.44
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	41.91
09 91 33 00-0038	GAL	Cold Galvanizing Paint	202.45
09 91 33 00-0039	GAL	High Heat Paint	84.05
09 91 33 00-0040	GAL	Heat Resistant Paint	56.03
09 91 33 00-0041	GAL	Zinc Chromate Paint	50.69
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	20.01
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	56.03
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	29.44
09 91 33 00-0045	GAL	Alkyd Latex, Black	37.80
09 91 33 00-0046	GAL	Alkyd Latex, White	37.80
09 91 33 00-0047	GAL	Alkyd Latex, Colors	45.58
09 91 33 00-0048	QT	Wrought Iron Paint, Black	51.14
09 91 33 00-0049	GAL	Vinyl Paint	49.50
09 91 33 00-0050	GAL	Silicone Alkyd	60.17
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	61.14
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	76.67
09 91 33 00-0053	GAL	Chlorinated Rubber	56.29
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	58.23
09 91 33 00-0055	GAL	Coal Tar Epoxy	41.73
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	52.09
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	67.94
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	46.59
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	29.60
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	33.16
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	60.66
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	20.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0063	GAL	Linseed Oil	17.95	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	29.44	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	33.16	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	30.33	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	24.37	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	16.82	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	31.38	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	27.98	
09 91 33 00-0072	GAL	Varnish, Clear	21.36	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	15.51	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	13.87	
09 91 33 00-0075	GAL	Polyurethane	24.34	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	29.53	
09 91 33 00-0077	GAL	Shellac, Clear	38.74	
09 91 33 00-0078	GAL	Acetone	12.78	
09 91 33 00-0079	GAL	Paint Thinner	3.15	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	12.94	
09 91 33 00-0081	GAL	Turpentine	17.79	
09 91 33 00-0082	GAL	Wood Filler Paste	30.41	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	24.26	
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153)	59.41	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 92 Factory Finish *(09 90)*

09 92 00 00-0001 Factory Finished Doors *(09 92)*

09 92 00 00-0002	EA	Factory Finish Steel Door, One Face, Prime And 2 Coats Paint	71.74	
09 92 00 00-0003	EA	Factory Finish Steel Door, Both Faces, Prime And 2 Coats Paint	128.07	
09 92 00 00-0004	EA	Factory Finish Wood/Fiberglass Door, One Face, Prime And 2 Coats Paint	59.18	
09 92 00 00-0005	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Prime And 2 Coats Paint	105.41	
09 92 00 00-0006	EA	Factory Finish Wood/Fiberglass Door, One Face, Two Coats Stain And One Coat Polyurethane	40.68	
09 92 00 00-0007	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Two Coats Stain And One Coat Polyurethane	74.94	
09 92 00 00-0008	EA	Factory Finish Wood Door, One Face, One Coat Shellac, Varnish Or Polyurethane	15.30	
09 92 00 00-0009	EA	Factory Finish Wood Door, Both Faces, One Coat Shellac, Varnish Or Polyurethane	27.37	

09 93 Staining And Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining And Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	0.70	
		For Ceiling Work, Add		*0.09*
		For >5,000 To 10,000, Deduct		*-0.02*
		For >10,000 To 20,000, Deduct		*-0.04*
		For >20,000, Deduct		*-0.06*
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.56	
		For Ceiling Work, Add		*0.07*
		For >5,000 To 10,000, Deduct		*-0.02*
		For >10,000 To 20,000, Deduct		*-0.03*
		For >20,000, Deduct		*-0.05*
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.21	
		For Ceiling Work, Add		*0.02*
		For >5,000 To 10,000, Deduct		*-0.01*
		For >10,000 To 20,000, Deduct		*-0.01*
		For >20,000, Deduct		*-0.02*

09 93 23 Interior Staining And Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	0.84	
		For Up To 100, Add		*0.61*
		For >100 To 250, Add		*0.28*
		For >250 To 500, Add		*0.12*
		For >4,000, Deduct		*-0.04*
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.25	
		For Up To 100, Add		*0.90*
		For >100 To 250, Add		*0.42*
		For >250 To 500, Add		*0.18*
		For >4,000, Deduct		*-0.06*

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.37	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >4,000, Deduct	*-0.02*	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.28	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >4,000, Deduct	*-0.01*	

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	40.86	
		For Up To 4, Add	*30.00*	
		For >4 To 10, Add	*14.03*	
		For >10 To 20, Add	*6.02*	
		For >160, Deduct	*-2.04*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	28.85	
		For Up To 4, Add	*20.68*	
		For >4 To 10, Add	*9.70*	
		For >10 To 20, Add	*4.17*	
		For >160, Deduct	*-1.44*	

09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.01	

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.58	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >4,000, Deduct	*-0.03*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.00	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.68	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.03*	

09 93 23 53-0006 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	2.12	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >4,000, Deduct	*-0.11*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.51	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >4,000, Deduct	*-0.03*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	2.41	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
		For >4,000, Deduct	*-0.12*	

09 93 23 53-0010 Wood Door And Window Finishes *(09 93 23 53)*

See CSI section 08 14 16 00-0659 for factory finish.

09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	29.50	
		For Up To 4, Add	*21.61*	
		For >4 To 10, Add	*10.11*	
		For >10 To 20, Add	*4.34*	
		For >160, Deduct	*-1.48*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	89.06	
		For Up To 4, Add	*64.43*	
		For >4 To 10, Add	*30.19*	
		For >10 To 20, Add	*12.97*	
		For >160, Deduct	*-4.45*	

09 93 23 53-0013 Cabinet Finishes *(09 93 23 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.02	
09 93 23 53-0015		**Gym, Stage And Dance Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.27	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.02	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.09	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.16	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.02	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.09	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.16	
		For Stage Or Dance Floors, Deduct	*-0.06*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001		**Anti-Graffiti Coating** *(09 96 23)*		
09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.03	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.09	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001		**Elastomeric Painting** *(09 96 53)* Note: Per coat.		
09 96 53 00-0002	SF	Paint, Brush, Elastomeric, Per Coat	1.87	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 96 53 00-0003	SF	Paint, Roller, Elastomeric, Per Coat	1.51	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004	SF	Paint, Conventional Spray, Elastomeric, Per Coat	1.47	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 96 53 00-0005	SF	Paint, Airless Spray, Elastomeric, Per Coat	1.33	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	High Build Epoxy - 50 Mil	2.61

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	4.35

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	3.50
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	6.25
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	9.42

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	2.87

09 97 Special Coatings *(09 90)*

09 97 26 Cementitious Coatings *(09 97)*

09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001 Ceramic-Like Glazed Coating *(09 97 26 13)*

09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*

09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.18

09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*

09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	1.79

09 97 35 Dry Erase Coatings *(09 97)*

09 97 35 00-0001 Dry-Erase Paint *(09 97 35)*

09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*

09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	7.73

09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*

09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	4.20
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	8.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 63 Special Coatings and Protection Systems *(09 97)*

09 97 63 00-0001 Acrylic Glazed Coating *(09 97 63)*

09 97 63 00-0002	SF	Acrylic Glazed Coating	1.38

09 97 63 00-0003 VanHearron Sealers And Cleaners *(09 97 63)*

09 97 63 00-0004	SF	Vertical Or Horizontal Exterior Above Grade Tile And Stone Sealer (VanHearron Top Tile)	0.33
09 97 63 00-0005	SF	Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Water Repellent (VanHearron Solo Seal)	0.30
09 97 63 00-0006	SF	Chemical Hardener, Densifier, Soluble Chloride Reducer For Cementitious Materials (VanHearron Deep Seal)	0.29
09 97 63 00-0007	SF	Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Grout Sealer/Densifier And Stain Inhibitor (VanHearron Top Grout)	0.28
09 97 63 00-0008	SF	Self Sealing Mix For Grout And Mortar - Material Only (VanHearron Grout Once!)	0.22
09 97 63 00-0009	SF	Water, Oil And Graffiti Resistant Treatment For Concrete, Porous Tile, Cast Stone, Paving, Sandstone, Limestone, Brick, Grout And Some Natural Stones (VanHearron Stain Guard 5000)	1.00
09 97 63 00-0010	SF	Stone Enhancer And Sealant (VanHearron Inhance)	0.90
09 97 63 00-0011	SF	Low Effort Cleaner/Degreaser (VanHearron Mighty Indigo)	0.29
09 97 63 00-0012	SF	Safe Restoration Cleaner (VanHearron Efflorescence Remover)	0.39
09 97 63 00-0013	SF	Cleaner (VanHearron Mold And Mildew Remover)	0.29
09 97 63 00-0014	SF	Wood Restore (VanHearron Grey No More)	0.29
09 97 63 00-0015	SF	Safe Masonry Detergent (VanHearron Brick Wash)	0.39

END OF SECTION 09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation And Maintenance Of Specialties *(10)*

10 01 40 Operation And Maintenance Of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*
Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	10.29	
10 01 40 00-0004	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	11.43	
10 01 40 00-0005	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	11.89	
10 01 40 00-0006	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	13.46	
10 01 40 00-0007	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	15.55	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	12.41	
10 01 40 00-0010	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher	15.03	
10 01 40 00-0011	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher	21.24	
10 01 40 00-0012	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher	33.52	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	12.28	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	87.56	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	122.58	
10 01 40 00-0017	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	50.47	

10 01 50 Operation And Maintenance Of Storage Specialties *(10 01)*

10 01 50 11 Operation And Maintenance Of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	275.87	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	216.67	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	185.06	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	155.50	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	82.99	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	34.49	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	6.90	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*
Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	38.81	6.50
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.29	3.06
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.87	2.64
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.34	1.72
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	15.56	0.96

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	41.21	6.50
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.63	3.06
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.02	2.64
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	20.95	1.72
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.11	0.96

10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.

10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	37.33	6.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	23.78	3.06
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	20.43	2.64
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.13	1.72
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	14.21	0.96
10 11 13 13-0020		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0021		Chalkboard Face Sheets And Panels *(10 11 13 13-0020)*		
10 11 13 13-0022	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite) Note: Includes porcelain enamel steel chalkboard skin.	12.62	3.06
10 11 13 13-0023	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	15.28	3.06
10 11 13 13-0024		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0020)*		
10 11 13 13-0025	LF	Chalk And Marker Tray, Field Applied	13.99	4.20
10 11 13 13-0026	PR	Chalk And Marker Tray End Closures, Field Applied	19.58	7.64
10 11 13 13-0027	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	10.22	4.20
10 11 13 13-0028	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	10.51	4.20
10 11 13 13-0029	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	11.38	4.20
10 11 13 13-0030	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	12.11	4.20
10 11 13 13-0031	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	10.96	4.20
10 11 13 13-0032		Remove And Reinstall Chalkboards *(10 11 13 13)*		
10 11 13 13-0033	SF	Removal And Reinstallation Of Chalkboard	8.06	
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	1,882.94	76.42
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,118.05	76.42
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,401.15	81.39
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,674.32	81.39
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,338.45	87.50
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,556.35	87.50
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,021.38	91.70
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,562.28	91.70
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,584.24	76.42
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,071.24	76.42
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,517.44	81.39
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,964.57	81.39
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,521.79	87.50
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,718.85	87.50
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,538.16	91.70
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,195.94	91.70
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,883.25	76.42
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,281.45	76.42
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,710.44	81.39
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,167.53	81.39
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,050.94	87.50
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,260.68	87.50
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,216.82	91.70
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,944.87	91.70
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,256.68	76.42
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,493.60	76.42
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,727.77	81.39
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,139.10	81.39
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,439.42	87.50
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,819.04	87.50
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,323.97	76.42
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,691.80	76.42
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,058.70	81.39
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,735.47	81.39
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,154.45	87.50
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,768.70	87.50
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,549.82	76.42
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,051.28	76.42
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,551.81	81.39
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,493.12	81.39
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,041.64	87.50
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,906.83	87.50
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,286.48	152.83
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,496.33	152.83
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,728.41	157.62
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,112.77	157.62
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,535.68	162.39
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,906.44	162.39
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,709.50	171.94
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,812.06	171.94
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,496.49	152.83
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,773.93	152.83
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,081.77	157.62
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,646.62	157.62
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,206.52	162.39
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,743.28	162.39
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,829.21	171.94
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,991.76	171.94
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,953.55	152.83
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,653.77	152.83
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,022.85	157.62
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,757.32	157.62
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,527.61	162.39
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,270.24	162.39
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,731.47	171.94
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,017.42	171.94
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	550.38	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	940.90	
10 11 16		**Markerboards** *(10 11)*		
10 11 16 13		**Fixed Markerboards** *(10 11 16)* Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001		Porcelain Enamel Steel Markerboards *(10 11 16 13)*		
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	38.96	6.50
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.82	3.06
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	21.87	2.64
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.53	1.72
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	15.35	0.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	41.24	6.50
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.50	3.06
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.89	2.64
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.81	1.72
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	17.45	0.96
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	37.32	6.50
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	23.79	3.06
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	21.53	2.64
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.25	1.72
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	13.95	0.96
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)* Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	30.36	6.50
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	18.99	3.06
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	16.49	2.64
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.49	1.72
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	10.33	0.96
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)* Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	29.58	6.50
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	18.63	3.06
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.98	2.64
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.58	1.72
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	9.50	0.96
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.40	6.50
		For Magnetic Surface, Add	*2.04*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	21.64	3.06
		For Magnetic Surface, Add	*1.55*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	18.68	2.64
		For Magnetic Surface, Add	*1.34*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.30	1.72
		For Magnetic Surface, Add	*1.29*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.91	0.96
		For Magnetic Surface, Add	*1.20*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.40	6.50
		For Magnetic Surface, Add	*2.04*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	21.64	3.06
		For Magnetic Surface, Add	*1.55*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	18.68	2.64
		For Magnetic Surface, Add	*1.34*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.30	1.72
		For Magnetic Surface, Add	*1.29*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.91	0.96
		For Magnetic Surface, Add	*1.20*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	58.70	6.50
		For Magnetic Surface, Add	*4.57*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	36.84	3.06
		For Magnetic Surface, Add	*3.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	31.16	2.64
		For Magnetic Surface, Add	*2.59*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	26.17	1.72
		For Magnetic Surface, Add	*2.27*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	20.22	0.96
		For Magnetic Surface, Add	*1.83*	

10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*

Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.

10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	14.93	2.64
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	12.58	1.72
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	10.44	0.96

10 11 16 13-0056 Remove And Reinstall Markerboard *(10 11 16 13)*

10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	45.85	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	53.49	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	61.14	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	68.78	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	76.42	

10 11 16 13-0062 Field Applied Markerboard And Accessories *(10 11 16 13)*

10 11 16 13-0063 Markerboard Face Sheets And Panels *(10 11 16 13-0062)*

10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	12.40	3.06
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	14.79	3.06
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	14.74	3.06
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	8.07	3.06

10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*

See CSI section 10 11 13 13-0024 for chalkboard and markerboard accessory trays and trim.

10 11 16 33 Rail-Mounted Markerboards *(10 11 16)*

10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*

10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	1,859.88	76.42
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,087.31	76.42
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,362.73	81.39
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,628.21	81.39
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,284.67	87.50
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,494.88	87.50
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,944.55	91.70
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,470.07	91.70

10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,561.19	76.42
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,040.51	76.42
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,479.02	81.39
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,918.47	81.39
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,468.01	87.50
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,657.38	87.50
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,461.33	91.70
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,103.74	91.70

10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,860.20	76.42
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,250.72	76.42
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,672.02	81.39
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,121.43	81.39
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,997.16	87.50
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,199.21	87.50
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,139.98	91.70
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,875.72	91.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,225.94	76.42
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,455.18	76.42
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,681.67	81.39
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,077.63	81.39
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,362.59	87.50
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,726.83	87.50
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,262.50	76.42
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,614.96	76.42
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,966.49	81.39
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,612.53	81.39
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,000.78	87.50
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,584.30	87.50
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,457.62	76.42
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,936.03	76.42
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,413.50	81.39
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,308.71	81.39
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,811.13	87.50
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,630.23	87.50
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)* Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,248.06	152.83
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,448.31	152.83
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,670.79	157.62
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,035.94	157.62
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,439.63	162.39
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,791.19	162.39
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,575.03	171.94
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,658.39	171.94
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,419.66	152.83
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,677.89	152.83
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,966.51	157.62
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,492.95	157.62
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,014.43	162.39
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,512.77	162.39
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,560.29	171.94
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,684.42	171.94
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,838.30	152.83
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,509.70	152.83
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,849.97	157.62
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,526.81	157.62
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,239.48	162.39
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,924.48	162.39
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,328.08	171.94
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,556.41	171.94
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)* See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	25.15	6.50
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.57	3.06
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.64	2.64
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.23	1.72
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.54	0.96
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	26.58	6.50
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.23	3.06
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.30	2.64
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.70	1.72
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	7.71	0.96
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	26.73	6.50
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.63	3.06
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.47	2.64
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.00	1.72
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	9.64	0.96
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.30	6.50
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.55	3.06
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.91	2.64
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	15.51	1.72
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	13.92	0.96
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	32.77	6.50
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.26	3.06
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.65	2.64
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.23	1.72
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	15.90	0.96
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	26.13	6.50
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.77	3.06
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.00	2.64
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	11.62	1.72
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	9.78	0.96
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	28.09	6.50
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.33	3.06
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.06	2.64
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	13.74	1.72
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	11.45	0.96
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	25.15	6.50
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.64	3.06
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	12.76	2.64
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.23	1.72
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	8.37	0.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	26.73	6.50
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	17.33	3.06
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.47	2.64
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.00	1.72
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	9.64	0.96

10 13 Directories *(10 10)*

10 13 11 Directory And Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	43.49	6.50
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	28.99	3.06
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	26.42	2.64
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.31	1.72
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	16.41	0.96
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	43.95	6.50
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	29.29	3.06
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	27.03	2.64
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	19.32	1.72
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	16.86	0.96
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0015		Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*		
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	111.60	6.50
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	90.45	3.06
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	75.73	2.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	70.44	1.72
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	63.98	0.96
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0023		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*		
10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	95.59	6.50
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.25	2.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	56.17	1.72
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	50.84	0.96
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0028		Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*		
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	99.60	6.50
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	78.00	3.06
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.38*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	66.00	2.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.14*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	48.59	1.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.03*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	45.63	0.96
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*8.74*	
10 13 11 00-0035		**Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)** *(10 13 11 00-0028)*		
10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	155.02	6.50
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*28.41*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	90.39	3.06
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.86*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	76.14	2.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.17*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	58.82	1.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.08*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	54.70	0.96
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.56*	
10 13 11 00-0041		**Outdoor, Glass Encased, Wall Mounted Directory Cabinets** *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042		**Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets** *(10 13 11 00-0041)*		
10 13 11 00-0043		**Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series)** *(10 13 11 00-0042)*		
10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	152.22	6.50
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	102.24	3.06
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	99.51	2.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0047		**Wall Mounted Bulletin Boards** *(10 13 11)*		
10 13 11 00-0048		**Glass Encased, Wall Mounted Bulletin Board Cabinets** *(10 13 11 00-0047)* Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049		**Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets** *(10 13 11 00-0048)*		
10 13 11 00-0050		**Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series)** *(10 13 11 00-0049)*		
10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	108.88	6.50
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	88.41	3.06
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	73.69	2.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	68.52	1.72
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	63.07	0.96
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0056		**Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)** *(10 13 11 00-0049)*		
10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.76	6.50
		For Fluorescent Lights, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	73.66	2.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	52.62	1.72
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	48.12	0.96
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	102.09	6.50
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.82*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	80.48	3.06
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.87*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	68.48	2.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.64*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	51.07	1.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.53*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	48.12	0.96
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.24*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	157.51	6.50
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*28.90*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.87	3.06
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.35*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	78.62	2.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.67*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	61.31	1.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.58*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	57.18	0.96
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.05*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	149.74	6.50
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	99.76	3.06
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	97.05	2.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0002		Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0003		Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	27.59	8.63
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-3.10*	
		For Clear Glass Mount, Add	*8.27*	
		For Glow-In-Dark, Add	*20.68*	
		For Reflective Finish, Add	*23.27*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	34.98	8.63
		For >25 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-5.32*	
		For Clear Glass Mount, Add	*14.18*	
		For Glow-In-Dark, Add	*35.46*	
		For Reflective Finish, Add	*39.89*	
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	46.79	8.63
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.39*	
		For >100, Deduct	*-8.86*	
		For Clear Glass Mount, Add	*23.63*	
		For Glow-In-Dark, Add	*59.08*	
		For Reflective Finish, Add	*66.47*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	61.57	8.63
		For >25 To 50, Deduct	*-4.43*	
		For >50 To 100, Deduct	*-11.08*	
		For >100, Deduct	*-13.30*	
		For Clear Glass Mount, Add	*35.46*	
		For Glow-In-Dark, Add	*88.64*	
		For Reflective Finish, Add	*99.72*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	88.16	8.63
		For >25 To 50, Deduct	*-7.09*	
		For >50 To 100, Deduct	*-17.73*	
		For >100, Deduct	*-21.27*	
		For Clear Glass Mount, Add	*56.73*	
		For Glow-In-Dark, Add	*141.82*	
		For Reflective Finish, Add	*159.55*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	135.43	8.63
		For >25 To 50, Deduct	*-11.82*	
		For >50 To 100, Deduct	*-29.55*	
		For >100, Deduct	*-35.45*	
		For Clear Glass Mount, Add	*94.54*	
		For Glow-In-Dark, Add	*236.36*	
		For Reflective Finish, Add	*265.91*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	194.52	8.63
		For >25 To 50, Deduct	*-17.73*	
		For >50 To 100, Deduct	*-44.32*	
		For >100, Deduct	*-53.18*	
		For Clear Glass Mount, Add	*141.82*	
		For Glow-In-Dark, Add	*354.54*	
		For Reflective Finish, Add	*398.86*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.22	0.01
		For Clear Glass Mount, Add	*0.16*	
		For Glow-In-Dark, Add	*0.40*	
		For Reflective Finish, Add	*0.45*	
10 14 23 11-0012		Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	30.55	8.63
		For >25 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-3.33*	
		For >100, Deduct	*-3.99*	
		For Glow-In-Dark, Add	*26.60*	
		For Reflective Finish, Add	*28.60*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	37.93	8.63
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.17*	
		For >100, Deduct	*-6.20*	
		For Glow-In-Dark, Add	*41.36*	
		For Reflective Finish, Add	*44.46*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	52.70	8.63
		For >25 To 50, Deduct	*-3.55*	
		For >50 To 100, Deduct	*-8.86*	
		For >100, Deduct	*-10.64*	
		For Glow-In-Dark, Add	*70.90*	
		For Reflective Finish, Add	*76.22*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	67.48	8.63
		For >25 To 50, Deduct	*-5.02*	
		For >50 To 100, Deduct	*-12.56*	
		For >100, Deduct	*-15.07*	
		For Glow-In-Dark, Add	*100.46*	
		For Reflective Finish, Add	*107.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	89.64	8.63
		For >25 To 50, Deduct	*-7.24*	
		For >50 To 100, Deduct	*-18.10*	
		For >100, Deduct	*-21.72*	
		For Glow-In-Dark, Add	*144.78*	
		For Reflective Finish, Add	*155.64*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	111.79	8.63
		For >25 To 50, Deduct	*-9.45*	
		For >50 To 100, Deduct	*-23.64*	
		For >100, Deduct	*-28.36*	
		For Glow-In-Dark, Add	*189.08*	
		For Reflective Finish, Add	*203.26*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	135.43	8.63
		For >25 To 50, Deduct	*-11.82*	
		For >50 To 100, Deduct	*-29.55*	
		For >100, Deduct	*-35.45*	
		For Glow-In-Dark, Add	*236.36*	
		For Reflective Finish, Add	*254.09*	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.15	0.01
		For Glow-In-Dark, Add	*0.26*	
		For Reflective Finish, Add	*0.28*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	52.70	8.63
		For >25 To 50, Deduct	*-3.55*	
		For >50 To 100, Deduct	*-8.86*	
		For >100, Deduct	*-10.64*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	61.57	8.63
		For >25 To 50, Deduct	*-4.43*	
		For >50 To 100, Deduct	*-11.08*	
		For >100, Deduct	*-13.30*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	76.34	8.63
		For >25 To 50, Deduct	*-5.91*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-17.73*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	90.23	8.63
		For >25 To 50, Deduct	*-7.30*	
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-21.89*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	1.00	0.09
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	73.39	8.63
		For >25 To 50, Deduct	*-5.61*	
		For >50 To 100, Deduct	*-14.04*	
		For >100, Deduct	*-16.84*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	91.11	8.63
		For >25 To 50, Deduct	*-7.39*	
		For >50 To 100, Deduct	*-18.47*	
		For >100, Deduct	*-22.16*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	114.75	8.63
		For >25 To 50, Deduct	*-9.75*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-29.25*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	162.02	8.63
		For >25 To 50, Deduct	*-14.48*	
		For >50 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-43.43*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.62	0.09
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	29.07	8.63
		For >25 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-3.55*	
		For Glow-In-Dark, Add	*7.09*	
		For Reflective Finish, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	37.93	8.63
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.17*	
		For >100, Deduct	*-6.20*	
		For Glow-In-Dark, Add	*12.41*	
		For Reflective Finish, Add	*15.51*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	55.66	8.63
		For >25 To 50, Deduct	*-3.84*	
		For >50 To 100, Deduct	*-9.60*	
		For >100, Deduct	*-11.52*	
		For Glow-In-Dark, Add	*23.05*	
		For Reflective Finish, Add	*28.81*	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	76.34	8.63
		For >25 To 50, Deduct	*-5.91*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-17.73*	
		For Glow-In-Dark, Add	*35.45*	
		For Reflective Finish, Add	*44.32*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	138.38	8.63
		For >25 To 50, Deduct	*-12.11*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-36.34*	
		For Glow-In-Dark, Add	*72.68*	
		For Reflective Finish, Add	*90.85*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	164.97	8.63
		For >25 To 50, Deduct	*-14.77*	
		For >50 To 100, Deduct	*-36.93*	
		For >100, Deduct	*-44.32*	
		For Glow-In-Dark, Add	*88.63*	
		For Reflective Finish, Add	*110.79*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	200.43	8.63
		For >25 To 50, Deduct	*-18.32*	
		For >50 To 100, Deduct	*-45.80*	
		For >100, Deduct	*-54.95*	
		For Glow-In-Dark, Add	*109.91*	
		For Reflective Finish, Add	*137.39*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.22	0.01
		For Glow-In-Dark, Add	*0.12*	
		For Reflective Finish, Add	*0.15*	

10 14 23 11-0042 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0043 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0042)*

10 14 23 11-0044	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	40.39	12.08
		For >25 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-4.06*	
		For >100, Deduct	*-4.88*	
		For Glow-In-Dark, Add	*9.75*	
		For Reflective Finish, Add	*12.19*	
10 14 23 11-0045	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	53.68	12.08
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.39*	
		For >100, Deduct	*-8.86*	
		For Glow-In-Dark, Add	*17.72*	
		For Reflective Finish, Add	*22.16*	
10 14 23 11-0046	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	71.41	12.08
		For >25 To 50, Deduct	*-4.73*	
		For >50 To 100, Deduct	*-11.82*	
		For >100, Deduct	*-14.18*	
		For Glow-In-Dark, Add	*28.36*	
		For Reflective Finish, Add	*35.45*	
10 14 23 11-0047	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	98.00	12.08
		For >25 To 50, Deduct	*-7.39*	
		For >50 To 100, Deduct	*-18.47*	
		For >100, Deduct	*-22.16*	
		For Glow-In-Dark, Add	*44.32*	
		For Reflective Finish, Add	*55.40*	

10 14 23 11-0048 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0049 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0048)*

10 14 23 11-0050	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	41.87	12.08
		For >25 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-5.32*	
		For Glow-In-Dark, Add	*10.64*	
		For Reflective Finish, Add	*13.30*	
10 14 23 11-0051	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	56.64	12.08
		For >25 To 50, Deduct	*-3.25*	
		For >50 To 100, Deduct	*-8.13*	
		For >100, Deduct	*-9.75*	
		For Glow-In-Dark, Add	*19.50*	
		For Reflective Finish, Add	*24.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0052	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	89.14	12.08
		For >25 To 50, Deduct	*-6.50*	
		For >50 To 100, Deduct	*-16.25*	
		For >100, Deduct	*-19.50*	
		For Glow-In-Dark, Add	*39.00*	
		For Reflective Finish, Add	*48.75*	
10 14 23 11-0053	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	100.96	12.08
		For >25 To 50, Deduct	*-7.68*	
		For >50 To 100, Deduct	*-19.21*	
		For >100, Deduct	*-23.05*	
		For Glow-In-Dark, Add	*46.09*	
		For Reflective Finish, Add	*57.62*	

10 14 23 11-0054 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0055 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0054)*

10 14 23 11-0056	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	46.30	12.08
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.54*	
		For >100, Deduct	*-6.65*	
		For Glow-In-Dark, Add	*13.30*	
		For Reflective Finish, Add	*16.62*	
10 14 23 11-0057	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	68.46	12.08
		For >25 To 50, Deduct	*-4.43*	
		For >50 To 100, Deduct	*-11.08*	
		For >100, Deduct	*-13.30*	
		For Glow-In-Dark, Add	*26.59*	
		For Reflective Finish, Add	*33.24*	
10 14 23 11-0058	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	77.32	12.08
		For >25 To 50, Deduct	*-5.32*	
		For >50 To 100, Deduct	*-13.30*	
		For >100, Deduct	*-15.95*	
		For Glow-In-Dark, Add	*31.91*	
		For Reflective Finish, Add	*39.89*	
10 14 23 11-0059	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	89.14	12.08
		For >25 To 50, Deduct	*-6.50*	
		For >50 To 100, Deduct	*-16.25*	
		For >100, Deduct	*-19.50*	
		For Glow-In-Dark, Add	*39.00*	
		For Reflective Finish, Add	*48.75*	

10 14 23 11-0060 Standoffs For Wall Signage *(10 14 23 11)*

Note: Exxcludes signage

10 14 23 11-0061	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	9.31	3.81
10 14 23 11-0062	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	9.53	3.81
10 14 23 11-0063	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	9.58	3.81
10 14 23 11-0064	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	10.07	3.81
10 14 23 11-0065	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	10.29	3.81
10 14 23 11-0066	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	10.72	3.81
10 14 23 11-0067	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	10.79	4.58
10 14 23 11-0068	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	11.38	4.58
10 14 23 11-0069	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	11.87	4.58
10 14 23 11-0070	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	12.63	4.58
10 14 23 11-0071	EA	1" Diameter x 1" Long, Stainless Steel Standoff	13.33	4.58
10 14 23 11-0072	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	14.19	4.58
10 14 23 11-0073	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	10.23	3.81
10 14 23 11-0074	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	10.40	3.81
10 14 23 11-0075	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	11.27	4.58
10 14 23 11-0076	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	11.43	4.58
10 14 23 11-0077	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	12.41	4.58
10 14 23 11-0078	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	12.52	4.58

10 14 23 11-0079 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

10 14 23 11-0080	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	133.73	
10 14 23 11-0081	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	153.74	
10 14 23 11-0082	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	172.85	
10 14 23 11-0083	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	51.75	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	52.00	15.53
		For Hi-Intensity Grade, Add	*6.29*	
		For Diamond Grade, Add	*11.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	60.16	16.42
		For Hi-Intensity Grade, Add	*8.22*	
		For Diamond Grade, Add	*15.61*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	65.11	17.25
		For Hi-Intensity Grade, Add	*12.55*	
		For Diamond Grade, Add	*19.90*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	75.43	18.15
		For Hi-Intensity Grade, Add	*4.71*	
		For Diamond Grade, Add	*25.49*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	100.79	18.98
		For Hi-Intensity Grade, Add	*13.82*	
		For Diamond Grade, Add	*43.36*	

10 14 53 11-0009 Other Reflectorized Traffic Signs *(10 14 53 11-0002)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0010 Aluminum Engineer Grade Traffic Signs *(10 14 53 11-0009)*

10 14 53 11-0011	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	32.79	13.80
		For Hi-Intensity Grade, Add	*1.56*	
10 14 53 11-0012	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	35.38	13.80
		For Hi-Intensity Grade, Add	*2.33*	
10 14 53 11-0013	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	35.38	13.80
		For Hi-Intensity Grade, Add	*2.33*	
10 14 53 11-0014	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	37.33	13.80
		For Hi-Intensity Grade, Add	*2.92*	
10 14 53 11-0015	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	39.27	13.80
		For Hi-Intensity Grade, Add	*3.50*	
10 14 53 11-0016	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	44.89	14.67
		For Hi-Intensity Grade, Add	*4.67*	
10 14 53 11-0017	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	60.45	14.67
		For Hi-Intensity Grade, Add	*9.34*	
10 14 53 11-0018	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	37.98	13.80
		For Hi-Intensity Grade, Add	*3.11*	
10 14 53 11-0019	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	44.89	14.67
		For Hi-Intensity Grade, Add	*4.67*	
10 14 53 11-0020	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	50.07	14.67
		For Hi-Intensity Grade, Add	*6.23*	
10 14 53 11-0021	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	55.26	14.67
		For Hi-Intensity Grade, Add	*7.78*	
10 14 53 11-0022	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	60.45	14.67
		For Hi-Intensity Grade, Add	*9.34*	
10 14 53 11-0023	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	52.67	14.67
		For Hi-Intensity Grade, Add	*7.01*	
10 14 53 11-0024	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	60.45	14.67
		For Hi-Intensity Grade, Add	*9.34*	
10 14 53 11-0025	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	69.97	15.53
		For Hi-Intensity Grade, Add	*11.68*	
10 14 53 11-0026	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	77.75	15.53
		For Hi-Intensity Grade, Add	*14.01*	
10 14 53 11-0027	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	100.21	18.98
		For Hi-Intensity Grade, Add	*18.68*	
10 14 53 11-0028	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	108.00	18.98
		For Hi-Intensity Grade, Add	*21.02*	
10 14 53 11-0029	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	72.56	15.53
		For Hi-Intensity Grade, Add	*12.45*	
10 14 53 11-0030	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	82.94	15.53
		For Hi-Intensity Grade, Add	*15.57*	
10 14 53 11-0031	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	93.31	15.53
		For Hi-Intensity Grade, Add	*18.68*	
10 14 53 11-0032	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	110.59	18.98
		For Hi-Intensity Grade, Add	*21.79*	
10 14 53 11-0033	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	120.97	18.98
		For Hi-Intensity Grade, Add	*24.91*	
10 14 53 11-0034	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	131.35	18.98
		For Hi-Intensity Grade, Add	*28.02*	
10 14 53 11-0035	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	141.72	18.98
		For Hi-Intensity Grade, Add	*31.13*	
10 14 53 11-0036	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	95.91	15.53
		For Hi-Intensity Grade, Add	*19.46*	
10 14 53 11-0037	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	115.78	18.98
		For Hi-Intensity Grade, Add	*23.35*	
10 14 53 11-0038	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	128.75	18.98
		For Hi-Intensity Grade, Add	*27.24*	
10 14 53 11-0039	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	148.62	22.43
		For Hi-Intensity Grade, Add	*31.13*	
10 14 53 11-0040	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	181.47	25.87
		For Hi-Intensity Grade, Add	*38.92*	
10 14 53 11-0041	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	131.35	18.98
		For Hi-Intensity Grade, Add	*28.02*	
10 14 53 11-0042	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	153.81	22.43
		For Hi-Intensity Grade, Add	*32.69*	
10 14 53 11-0043	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	176.28	25.87
		For Hi-Intensity Grade, Add	*37.36*	
10 14 53 11-0044	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	191.85	25.87
		For Hi-Intensity Grade, Add	*42.03*	
10 14 53 11-0045	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	214.32	29.32
		For Hi-Intensity Grade, Add	*46.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0046	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	254.95	32.77
		For Hi-Intensity Grade, Add	*56.82*	
10 14 53 11-0047	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	267.92	32.77
		For Hi-Intensity Grade, Add	*60.71*	
10 14 53 11-0048	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	356.09	37.95
		For Hi-Intensity Grade, Add	*84.06*	
10 14 53 11-0049	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	178.87	25.87
		For Hi-Intensity Grade, Add	*38.14*	
10 14 53 11-0050	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	224.70	29.32
		For Hi-Intensity Grade, Add	*49.81*	
10 14 53 11-0051	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	252.35	32.77
		For Hi-Intensity Grade, Add	*56.04*	
10 14 53 11-0052	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	273.11	32.77
		For Hi-Intensity Grade, Add	*62.27*	
10 14 53 11-0053	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	304.20	37.95
		For Hi-Intensity Grade, Add	*68.49*	
10 14 53 11-0054	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	324.96	37.95
		For Hi-Intensity Grade, Add	*74.72*	
10 14 53 11-0055	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	373.37	41.40
		For Hi-Intensity Grade, Add	*87.17*	
10 14 53 11-0056	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	414.88	41.40
		For Hi-Intensity Grade, Add	*99.62*	
10 14 53 11-0057	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	435.63	41.40
		For Hi-Intensity Grade, Add	*105.85*	
10 14 53 11-0058	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	459.84	43.13
		For Hi-Intensity Grade, Add	*112.08*	
10 14 53 11-0059	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	394.12	41.40
		For Hi-Intensity Grade, Add	*93.40*	
10 14 53 11-0060	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	857.59	55.20
		For Hi-Intensity Grade, Add	*224.15*	
10 14 53 11-0061	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	625.88	43.13
		For Hi-Intensity Grade, Add	*161.89*	

10 14 53 11-0062 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0063 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0062)*

10 14 53 11-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign	32.09	13.80
10 14 53 11-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign	34.33	13.80
10 14 53 11-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign	34.33	13.80
10 14 53 11-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign	36.01	13.80
10 14 53 11-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign	37.69	13.80
10 14 53 11-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign	42.78	14.67
10 14 53 11-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign	56.23	14.67
10 14 53 11-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign	36.57	13.80
10 14 53 11-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign	42.78	14.67
10 14 53 11-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign	47.26	14.67
10 14 53 11-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign	51.75	14.67
10 14 53 11-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign	56.23	14.67
10 14 53 11-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign	49.51	14.67
10 14 53 11-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign	56.23	14.67
10 14 53 11-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign	64.69	15.53
10 14 53 11-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign	71.42	15.53
10 14 53 11-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign	91.78	18.98
10 14 53 11-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign	98.51	18.98
10 14 53 11-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign	66.94	15.53
10 14 53 11-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign	75.91	15.53
10 14 53 11-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign	84.88	15.53
10 14 53 11-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign	100.75	18.98
10 14 53 11-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign	109.72	18.98
10 14 53 11-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign	118.69	18.98
10 14 53 11-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign	127.66	18.98
10 14 53 11-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign	87.12	15.53
10 14 53 11-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign	105.23	18.98
10 14 53 11-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign	116.45	18.98
10 14 53 11-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign	134.56	22.43
10 14 53 11-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign	163.89	25.87
10 14 53 11-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign	118.69	18.98
10 14 53 11-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign	139.05	22.43
10 14 53 11-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign	159.41	25.87
10 14 53 11-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign	172.86	25.87
10 14 53 11-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign	193.23	29.32
10 14 53 11-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign	229.29	32.77
10 14 53 11-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign	240.50	32.77
10 14 53 11-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign	318.13	37.95
10 14 53 11-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign	161.65	25.87
10 14 53 11-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign	202.20	29.32
10 14 53 11-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign	227.04	32.77
10 14 53 11-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign	244.99	32.77
10 14 53 11-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign	273.27	37.95
10 14 53 11-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign	291.21	37.95
10 14 53 11-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign	334.00	41.40
10 14 53 11-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign	369.88	41.40
10 14 53 11-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign	387.82	41.40
10 14 53 11-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign	409.22	43.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign	351.94	41.40
10 14 53 11-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign	756.34	55.20
10 14 53 11-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign	552.76	43.13
10 14 53 11-0115		**Aluminum Non-Reflectorized Traffic Signs** *(10 14 53 11-0062)*		
10 14 53 11-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	32.27	13.80
10 14 53 11-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	34.60	13.80
10 14 53 11-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	34.60	13.80
10 14 53 11-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	36.35	13.80
10 14 53 11-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	38.10	13.80
10 14 53 11-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	43.33	14.67
10 14 53 11-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	57.33	14.67
10 14 53 11-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	36.94	13.80
10 14 53 11-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	43.33	14.67
10 14 53 11-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	47.99	14.67
10 14 53 11-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	52.66	14.67
10 14 53 11-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	57.33	14.67
10 14 53 11-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	50.33	14.67
10 14 53 11-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	57.33	14.67
10 14 53 11-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	66.06	15.53
10 14 53 11-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	73.07	15.53
10 14 53 11-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	93.97	18.98
10 14 53 11-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	100.97	18.98
10 14 53 11-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	68.40	15.53
10 14 53 11-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign	77.73	15.53
10 14 53 11-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign	87.07	15.53
10 14 53 11-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign	103.31	18.98
10 14 53 11-0138	EA	24" x 48" Aluminum Non Reflectorized Traffic Sign	112.65	18.98
10 14 53 11-0139	EA	24" x 54" Aluminum Non Reflectorized Traffic Sign	121.98	18.98
10 14 53 11-0140	EA	24" x 60" Aluminum Non Reflectorized Traffic Sign	131.32	18.98
10 14 53 11-0141	EA	30" x 30" Aluminum Non Reflectorized Traffic Sign	89.41	15.53
10 14 53 11-0142	EA	30" x 36" Aluminum Non Reflectorized Traffic Sign	107.98	18.98
10 14 53 11-0143	EA	30" x 42" Aluminum Non Reflectorized Traffic Sign	119.65	18.98
10 14 53 11-0144	EA	30" x 48" Aluminum Non Reflectorized Traffic Sign	138.22	22.43
10 14 53 11-0145	EA	30" x 60" Aluminum Non Reflectorized Traffic Sign	168.46	25.87
10 14 53 11-0146	EA	36" x 36" Aluminum Non Reflectorized Traffic Sign	121.98	18.98
10 14 53 11-0147	EA	36" x 42" Aluminum Non Reflectorized Traffic Sign	142.89	22.43
10 14 53 11-0148	EA	36" x 48" Aluminum Non Reflectorized Traffic Sign	163.79	25.87
10 14 53 11-0149	EA	36" x 54" Aluminum Non Reflectorized Traffic Sign	177.80	25.87
10 14 53 11-0150	EA	36" x 60" Aluminum Non Reflectorized Traffic Sign	198.71	29.32
10 14 53 11-0151	EA	36" x 73" Aluminum Non Reflectorized Traffic Sign	235.96	32.77
10 14 53 11-0152	EA	36" x 78" Aluminum Non Reflectorized Traffic Sign	247.63	32.77
10 14 53 11-0153	EA	36" x 108" Aluminum Non Reflectorized Traffic Sign	328.00	37.95
10 14 53 11-0154	EA	42" x 42" Aluminum Non Reflectorized Traffic Sign	166.13	25.87
10 14 53 11-0155	EA	48" x 48" Aluminum Non Reflectorized Traffic Sign	208.05	29.32
10 14 53 11-0156	EA	48" x 54" Aluminum Non Reflectorized Traffic Sign	233.62	32.77
10 14 53 11-0157	EA	48" x 60" Aluminum Non Reflectorized Traffic Sign	252.30	32.77
10 14 53 11-0158	EA	48" x 66" Aluminum Non Reflectorized Traffic Sign	281.31	37.95
10 14 53 11-0159	EA	48" x 72" Aluminum Non Reflectorized Traffic Sign	299.99	37.95
10 14 53 11-0160	EA	48" x 84" Aluminum Non Reflectorized Traffic Sign	344.23	41.40
10 14 53 11-0161	EA	48" x 96" Aluminum Non Reflectorized Traffic Sign	381.58	41.40
10 14 53 11-0162	EA	48" x 102" Aluminum Non Reflectorized Traffic Sign	400.25	41.40
10 14 53 11-0163	EA	48" x 108" Aluminum Non Reflectorized Traffic Sign	422.38	43.13
10 14 53 11-0164	EA	60" x 72" Aluminum Non Reflectorized Traffic Sign	362.91	41.40
10 14 53 11-0165	EA	72" x 144" Aluminum Non Reflectorized Traffic Sign	782.67	55.20
10 14 53 11-0166	EA	78" x 96" Aluminum Non Reflectorized Traffic Sign	571.77	43.13
10 14 53 11-0167		**Aluminum Street Signs** *(10 14 53 11-0001)* Note: Excludes posts.		
10 14 53 11-0168		**Aluminum Engineer Grade Street Signs** *(10 14 53 11-0167)*		
10 14 53 11-0169	EA	6" High, Aluminum Engineer Grade Street Sign	56.71	6.90
10 14 53 11-0170	EA	8" High, Aluminum Engineer Grade Street Sign	64.29	6.90
10 14 53 11-0171	EA	9" High, Aluminum Engineer Grade Street Sign	69.92	6.90
10 14 53 11-0172		**Street Sign Accessories** *(10 14 53 11-0167)*		
10 14 53 11-0173	EA	Single Bracket And Post Cap For Street Sign	17.22	3.45
10 14 53 11-0174	EA	Double Bracket And Post Cap For Street Sign	17.22	3.45
10 14 53 11-0175		**Sign Posts** *(10 14 53 11-0001)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0176		**U-Channel Sign Posts** *(10 14 53 11-0175)* Note: Excludes digging and concrete.		
10 14 53 11-0177		**Baked Enamel U-Channel Sign Posts** *(10 14 53 11-0176)*		
10 14 53 11-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	46.04	14.07
10 14 53 11-0179	EA	6' Baked Enamel U-Channel Sign Post	60.35	17.59
10 14 53 11-0180	EA	7' Baked Enamel U-Channel Sign Post	72.08	21.11
10 14 53 11-0181	EA	8' Baked Enamel U-Channel Sign Post	84.38	24.62
10 14 53 11-0182	EA	10' Baked Enamel U-Channel Sign Post	101.85	29.89
10 14 53 11-0183	EA	12' Baked Enamel U-Channel Sign Post	104.72	29.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0184		**Galvanized Steel U-Channel Sign Posts** *(10 14 53 11-0176)*		
10 14 53 11-0185	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	49.73	14.07
10 14 53 11-0186	EA	6' Galvanized Steel U-Channel Sign Post	66.21	17.59
10 14 53 11-0187	EA	7' Galvanized Steel U-Channel Sign Post	85.33	21.11
10 14 53 11-0188	EA	8' Galvanized Steel U-Channel Sign Post	99.03	24.62
10 14 53 11-0189	EA	10' Galvanized Steel U-Channel Sign Post	112.51	29.89
10 14 53 11-0190	EA	12' Galvanized Steel U-Channel Sign Post	114.00	29.89
10 14 53 11-0191		**Fiberglass Or Composite Plastic U-Channel Sign Posts** *(10 14 53 11-0176)*		
10 14 53 11-0192	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	45.17	14.07
10 14 53 11-0193	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	58.46	17.59
10 14 53 11-0194	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	69.80	21.11
10 14 53 11-0195	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	81.66	24.62
10 14 53 11-0196	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	96.91	29.89
10 14 53 11-0197	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	101.79	29.89
10 14 53 11-0198		**Tubular Sign Posts** *(10 14 53 11-0175)* Note: Excludes digging and concrete.		
10 14 53 11-0199		**2-3/8" Diameter, Galvanized Steel Tubular Sign Post** *(10 14 53 11-0198)*		
10 14 53 11-0200	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	66.82	17.59
10 14 53 11-0201	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	79.32	21.11
10 14 53 11-0202	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	93.66	24.62
10 14 53 11-0203	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	120.53	29.89
10 14 53 11-0204	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	130.59	29.89
10 14 53 11-0205		**Square Sign Posts** *(10 14 53 11-0175)* Note: Excludes digging and concrete.		
10 14 53 11-0206		**Galvanized Steel Square Sign Posts** *(10 14 53 11-0205)*		
10 14 53 11-0207	EA	3' To 4' Galvanized Steel Square Sign Post Base	50.55	14.07
10 14 53 11-0208	EA	6' Galvanized Steel Square Sign Post	80.09	17.59
10 14 53 11-0209	EA	7' Galvanized Steel Square Sign Post	93.96	21.11
10 14 53 11-0210	EA	8' Galvanized Steel Square Sign Post	109.60	24.62
10 14 53 11-0211	EA	10' Galvanized Steel Square Sign Post	133.83	29.89
10 14 53 11-0212	EA	12' Galvanized Steel Square Sign Post	140.85	29.89
10 14 53 11-0213		**Sign Post Accessories** *(10 14 53 11-0001)*		
10 14 53 11-0214		**Sign Post Brackets** *(10 14 53 11-0213)*		
10 14 53 11-0215	EA	2-3/8" Outside Diameter, Single Sign Bracket Set	22.74	5.18
10 14 53 11-0216	EA	2-3/8" Outside Diameter, Double Sign Bracket Set	40.97	8.63
10 14 53 11-0217	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	35.27	6.90
10 14 53 11-0218		**Sign Post Caps** *(10 14 53 11-0213)*		
10 14 53 11-0219	EA	Traffic Sign Post Cap	12.65	3.45
10 14 53 11-0220		**Sign Post Replacement Bolts** *(10 14 53 11-0213)*		
10 14 53 11-0221	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	8.84	
10 14 53 11-0222		**Removal Of Signs** *(10 14 53 11)* Note: Includes structural supports.		
10 14 53 11-0223	EA	>4 To 10 SF Sign Area, Sign Removal	138.01	
10 14 53 11-0224	EA	>10 To 20 SF Sign Area, Sign Removal	331.22	
10 14 53 11-0225	EA	>20 To 40 SF Sign Area, Sign Removal	496.83	
10 14 53 11-0226	EA	>40 To 100 SF Sign Area, Sign Removal	770.64	
10 14 53 11-0227		**Remove And Reinstall Signs** *(10 14 53 11)* Note: Includes structural supports.		
10 14 53 11-0228	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	210.23	
10 14 53 11-0229	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	499.12	
10 14 53 11-0230	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	747.18	
10 14 53 11-0231	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,157.77	
10 14 53 11-0232	EA	Removal And Reinstallation Of Street Sign On Post	79.35	
10 14 53 11-0233	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	274.75	

10 20 Interior Specialties *(10)*

10 21 Compartments And Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	774.61	85.97
		For >10, Deduct	*-60.27*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	940.19	93.61
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,004.98	97.44
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

Note: Includes headrail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	801.36	105.07
		For >10, Deduct	*-59.12*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	934.02	112.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	988.20	116.54
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	945.77	124.18
		For >10, Deduct	*-69.74*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,106.92	131.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,163.56	135.64
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

Note: Excludes above ceiling steel.

10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	906.41	143.29
		For >10, Deduct	*-61.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,094.90	150.93
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,158.04	154.75
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 13-0019 Enamel Coated Steel Urinal Screens *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	407.56	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	452.41	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	498.69	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	226.22	45.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	243.89	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	257.25	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	295.36	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	332.63	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	354.59	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	376.54	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	376.06	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	403.74	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	447.17	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	248.15	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	253.87	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	269.06	16.43
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	294.82	16.43
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	300.55	16.43
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	

10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	174.69	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	192.83	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	210.95	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	229.09	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	247.24	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	265.36	32.48
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	282.07	34.39
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	300.21	36.30
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	312.62	38.21
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	319.86	38.97
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	329.32	40.12
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	360.35	42.03
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	387.06	43.94
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	134.59	11.46
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	148.43	13.37
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	163.69	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	190.42	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	215.72	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	241.01	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	312.11	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	358.88	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	385.60	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	107.39	11.46
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	116.93	13.37
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	127.90	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	144.62	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	159.89	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	176.59	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	219.06	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	247.23	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	263.92	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	149.37	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	163.23	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	178.50	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	205.22	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	230.51	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	255.82	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	326.91	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	373.67	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	400.41	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,599.89	85.97
		For >10, Deduct	*-142.79*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*499.78*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,931.85	93.61
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*610.62*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,023.43	97.44
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*640.00*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes headrail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,354.37	105.07
		For >10, Deduct	*-114.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*400.48*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,648.69	112.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*498.14*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,796.62	116.54
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*547.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0011		Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,876.14	124.18
		For >10, Deduct	*-162.78*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*569.72*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,012.24	131.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*612.01*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,106.49	135.64
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*642.32*	
10 21 13 14-0015		Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,877.97	143.29
		For >10, Deduct	*-159.14*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*556.99*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,285.99	150.93
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*694.45*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,403.81	154.75
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For Diamond Pattern Finish, Add	*733.01*	
10 21 13 14-0019		Stainless Steel Urinal Screens *(10 21 13 14-0001)*		
10 21 13 14-0020		Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*		
10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	527.91	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*147.34*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	597.58	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*169.05*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	610.30	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*170.83*	
10 21 13 14-0024		Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	390.31	45.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*104.53*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	422.36	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*113.07*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	461.09	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*123.95*	
10 21 13 14-0028		Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	633.78	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*187.07*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	664.27	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*195.07*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	694.61	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*203.01*	
10 21 13 14-0032		Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	527.91	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*147.34*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	597.58	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*169.05*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	670.17	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*191.78*	
10 21 13 14-0036		Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 14-0001)*		
10 21 13 14-0037		Stainless Steel, Toilet Partition Doors *(10 21 13 14-0036)*		
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	349.01	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For Diamond Pattern Finish, Add	*111.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	399.31	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For Diamond Pattern Finish, Add	*129.06*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	410.10	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For Diamond Pattern Finish, Add	*131.50*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	424.62	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For Diamond Pattern Finish, Add	*136.58*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	428.66	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For Diamond Pattern Finish, Add	*137.99*	
10 21 13 14-0043		**Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	301.38	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*89.44*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	334.72	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*99.76*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	348.74	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*103.34*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	364.69	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*107.58*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	391.45	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*115.61*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	422.55	32.48
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*125.16*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	494.44	34.39
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*148.98*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	541.39	36.30
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*164.08*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	555.43	38.21
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*167.65*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	583.06	38.97
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*176.79*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	619.41	40.12
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*188.71*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	649.02	42.03
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*197.73*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	712.18	43.94
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*218.51*	
10 21 13 14-0057		**70" Long, Stainless Steel, Toilet Partition Pilasters** *(10 21 13 14-0036)*		
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	209.08	11.46
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*65.15*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	227.66	13.37
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*70.32*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	247.36	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*75.88*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	281.84	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*86.61*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	316.31	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*97.34*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	350.77	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*108.06*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	445.40	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*139.84*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	510.53	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*161.30*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	544.98	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*172.02*	
10 21 13 14-0067		**82" Long, Stainless Steel, Toilet Partition Pilasters** *(10 21 13 14-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	159.75	11.46
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*47.89*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	172.94	13.37
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*51.17*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	186.59	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*54.61*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	242.35	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*72.79*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	273.54	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*82.37*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	283.03	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*84.35*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	320.73	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*96.21*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	361.83	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*109.25*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	384.12	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*115.72*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	229.20	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*69.52*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	251.19	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*75.88*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	272.04	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*81.84*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	312.18	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*94.55*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	351.19	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*106.87*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	390.21	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*119.19*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	501.85	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*156.93*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	576.05	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*181.56*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	616.20	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Diamond Pattern Finish, Add	*194.27*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	984.76	85.97
		For >10, Deduct	*-81.28*	
		For Cast Stainless Steel Hardware, Add	*133.91*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,208.14	93.61
		For Cast Stainless Steel Hardware, Add	*133.92*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,301.27	97.44
		For Cast Stainless Steel Hardware, Add	*133.93*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes headrail.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,062.65	105.07
		For >10, Deduct	*-85.25*	
		For Cast Stainless Steel Hardware, Add	*133.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,295.95	112.72
		For Cast Stainless Steel Hardware, Add	*133.95*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,396.51	116.54
		For Cast Stainless Steel Hardware, Add	*133.95*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,420.03	143.29
		For >10, Deduct	*-113.35*	
		For Cast Stainless Steel Hardware, Add	*133.99*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,660.96	150.93
		For Cast Stainless Steel Hardware, Add	*134.00*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,754.08	154.75
		For Cast Stainless Steel Hardware, Add	*134.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	

10 21 13 16-0015 Laminated Plastic Urinal Screens *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	410.08	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	447.45	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	460.92	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	317.29	45.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	333.44	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	348.80	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	424.33	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	465.87	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	510.97	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	390.57	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	428.79	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	441.78	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors *(10 21 13 16-0032)*

10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	331.05	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	360.25	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	372.04	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	381.07	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	389.56	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	

10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels *(10 21 13 16-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	164.20	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	181.79	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	199.36	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	217.65	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	234.53	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	252.89	32.48
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	258.33	34.39
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	264.79	36.30
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	278.71	38.21
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	290.55	38.97
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	303.75	40.12
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	347.40	42.03
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	396.86	43.94
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	136.01	11.46
		For 1-1/4" Pilaster, Add	*9.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*113.08*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	156.82	13.37
		For 1-1/4" Pilaster, Add	*10.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*130.07*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	160.63	15.29
		For 1-1/4" Pilaster, Add	*10.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*130.07*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	177.20	17.19
		For 1-1/4" Pilaster, Add	*11.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*142.81*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	184.74	19.10
		For 1-1/4" Pilaster, Add	*12.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*146.53*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	200.77	21.02
		For 1-1/4" Pilaster, Add	*13.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*158.74*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	256.62	22.93
		For 1-1/4" Pilaster, Add	*17.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*210.77*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	311.41	24.83
		For 1-1/4" Pilaster, Add	*21.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*261.73*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	349.73	26.75
		For 1-1/4" Pilaster, Add	*24.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*296.24*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	269.80	11.46
		For 1-1/4" Pilaster, Add	*20.37*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*246.87*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	298.04	13.37
		For 1-1/4" Pilaster, Add	*22.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*271.29*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	301.85	15.29
		For 1-1/4" Pilaster, Add	*22.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*271.29*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	326.39	17.19
		For 1-1/4" Pilaster, Add	*24.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*292.00*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	356.22	19.10
		For 1-1/4" Pilaster, Add	*26.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*318.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	380.21	21.02
		For 1-1/4" Pilaster, Add	*27.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*338.18*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	474.03	22.93
		For 1-1/4" Pilaster, Add	*35.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*428.18*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	540.23	24.83
		For 1-1/4" Pilaster, Add	*40.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*490.55*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	554.13	26.75
		For 1-1/4" Pilaster, Add	*41.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For Steel Core Pilaster, Add	*500.64*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes headrail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,237.62	105.07
		For >10, Deduct	*-102.75*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*637.03*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,523.50	112.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*804.80*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,688.20	116.54
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*902.18*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,236.90	124.18
		For >10, Deduct	*-98.85*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*612.89*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,547.93	131.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*796.25*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,712.63	135.64
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*893.63*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,297.53	143.29
		For >10, Deduct	*-101.10*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*626.80*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,539.37	150.93
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*767.26*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,704.08	154.75
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*864.64*	

10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	288.49	45.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*122.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	303.90	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*126.85*	

10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	366.85	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*165.88*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	463.66	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*221.17*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	515.21	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*248.39*	

10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	374.49	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*165.88*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	471.30	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*221.17*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	559.27	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*270.97*	

10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters

(10 21 13 19-0001)

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*

10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	295.02	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*163.97*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	319.09	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*178.89*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	346.81	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*193.70*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	395.52	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*223.90*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	407.04	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*231.04*	

10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*

10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	104.47	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*36.34*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	166.92	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*72.69*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	229.33	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*109.02*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	267.73	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*130.46*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	324.17	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*163.08*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	346.38	32.48
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*174.49*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	388.86	34.39
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*198.45*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	438.40	36.30
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*226.80*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	478.83	38.21
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*249.49*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	489.22	38.97
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*254.99*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	505.70	40.12
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*263.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	571.59	42.03
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*302.26*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	616.04	43.94
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*327.46*	

10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	135.85	11.46
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*70.01*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	150.99	13.37
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*77.03*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	164.14	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*82.82*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	176.32	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*88.00*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	197.96	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*99.05*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	219.60	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*110.09*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	301.63	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*158.58*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	341.03	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*180.64*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	371.32	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*197.05*	

10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	165.80	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*83.85*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	182.51	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*91.83*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	201.01	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*100.94*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	227.78	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*115.17*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	254.81	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*129.56*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	281.59	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*143.78*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	361.04	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*190.68*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	404.01	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*214.95*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	439.36	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*234.50*	

10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes headrail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,597.23	105.07
		For >10, Deduct	*-138.71*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*859.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,977.83	112.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*1,086.49*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,197.50	116.54
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*1,217.95*	

10 21 13 19-0074 Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,582.90	124.18
		For >10, Deduct	*-133.45*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*827.41*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,997.42	131.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*1,074.94*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,217.09	135.64
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*1,206.40*	

10 21 13 19-0078 Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,651.37	143.29
		For >10, Deduct	*-136.48*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*846.18*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,972.49	150.93
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*1,035.80*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,192.17	154.75
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*1,167.26*	

10 21 13 19-0082 Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	357.38	45.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*164.75*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	372.97	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*169.67*	

10 21 13 19-0086 Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	580.86	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*298.57*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	660.94	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*343.48*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	704.60	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*365.81*	

10 21 13 19-0090 Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	468.12	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*223.93*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	596.14	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*298.57*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	712.24	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*365.81*	

10 21 13 19-0094 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0095		**Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	387.58	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*221.35*	
10 21 13 19-0097	EA	26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	420.09	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*241.51*	
10 21 13 19-0098	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	456.15	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*261.49*	
10 21 13 19-0099	EA	34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	521.91	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*302.26*	
10 21 13 19-0100	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	537.47	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*311.91*	
10 21 13 19-0101		**Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	124.98	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*49.06*	
10 21 13 19-0103	EA	12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	207.95	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*98.13*	
10 21 13 19-0104	EA	18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	290.89	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*147.19*	
10 21 13 19-0105	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	341.37	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*176.12*	
10 21 13 19-0106	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	416.22	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*220.15*	
10 21 13 19-0107	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	444.87	32.48
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*235.55*	
10 21 13 19-0108	EA	42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	500.89	34.39
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*267.91*	
10 21 13 19-0109	EA	48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	566.44	36.30
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*306.18*	
10 21 13 19-0110	EA	55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	619.68	38.21
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*336.82*	
10 21 13 19-0111	EA	58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	633.17	38.97
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*344.24*	
10 21 13 19-0112	EA	60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	654.61	40.12
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*356.11*	
10 21 13 19-0113	EA	70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	742.24	42.03
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*408.07*	
10 21 13 19-0114	EA	78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	800.89	43.94
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*442.07*	
10 21 13 19-0115		**82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0094)*		
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	175.37	11.46
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*94.51*	
10 21 13 19-0117	EA	5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	194.47	13.37
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*103.99*	
10 21 13 19-0118	EA	6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	210.89	15.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*111.80*	
10 21 13 19-0119	EA	8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	243.41	17.19
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*129.59*	
10 21 13 19-0120	EA	10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	273.50	19.10
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*145.88*	
10 21 13 19-0121	EA	12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	303.54	21.02
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*162.14*	
10 21 13 19-0122	EA	18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	391.16	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*214.09*	
10 21 13 19-0123	EA	22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	443.01	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*243.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0124		EA	24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	482.56	26.75
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*266.02*	

10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126		EA	Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	213.14	15.29
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*113.20*	
10 21 13 19-0127		EA	5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	234.35	17.19
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*123.98*	
10 21 13 19-0128		EA	6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	258.01	19.10
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*136.28*	
10 21 13 19-0129		EA	8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	292.81	21.02
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*155.48*	
10 21 13 19-0130		EA	10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	327.95	22.93
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*174.90*	
10 21 13 19-0131		EA	12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	362.75	24.83
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*194.10*	
10 21 13 19-0132		EA	18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	468.70	26.75
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*257.43*	
10 21 13 19-0133		EA	22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	525.35	28.66
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*290.18*	
10 21 13 19-0134		EA	24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	571.73	30.56
			For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
			For NFPA Class A, Add	*316.57*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138		EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,509.28	85.97
			For >10, Deduct	*-133.73*	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*289.44*	
10 21 13 19-0139		EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,857.96	93.61
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*360.22*	
10 21 13 19-0140		EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,076.91	97.44
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*404.97*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes headrail.

10 21 13 19-0142		EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,672.50	105.07
			For >10, Deduct	*-146.24*	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*317.60*	
10 21 13 19-0143		EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,035.14	112.72
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*391.31*	
10 21 13 19-0144		EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,264.72	116.54
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*438.30*	

10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Excludes above ceiling steel.

10 21 13 19-0146		EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,722.14	124.18
			For >10, Deduct	*-147.38*	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*321.91*	
10 21 13 19-0147		EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,082.19	131.82
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
			For NFPA Class A, Add	*395.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,301.13	135.64
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*439.83*	
10 21 13 19-0149		**Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,692.14	143.29
		For >10, Deduct	*-140.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*309.50*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,040.57	150.93
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*380.22*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,259.52	154.75
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
		For NFPA Class A, Add	*424.98*	
10 21 13 19-0153		**Solid Phenolic Urinal Screens** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	542.81	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*96.88*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	614.69	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*110.75*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	739.66	61.11
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*135.77*	
10 21 13 19-0158		**Wall Hung, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	343.31	45.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*57.43*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	398.73	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*67.85*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	481.29	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*83.96*	
10 21 13 19-0162		**Wall Hung And Post Supported, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	347.68	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*57.12*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	438.09	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*74.89*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	513.82	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*89.57*	
10 21 13 19-0166		**Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	560.29	49.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*101.77*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	632.62	53.47
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*115.74*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	759.98	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*141.26*	
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	411.75	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*81.58*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	426.08	15.29
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*84.59*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	466.69	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*92.50*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	504.07	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*100.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	542.46	17.19
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
		For NFPA Class A, Add	*108.41*	

10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	125.29	22.93
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*18.97*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	168.81	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*27.50*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	232.17	26.75
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*40.20*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	296.21	28.66
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*53.03*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	330.75	30.56
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*59.68*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	367.03	32.48
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*66.68*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	429.39	34.39
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*79.17*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	493.60	36.30
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*92.04*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	526.62	38.21
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*98.36*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	541.42	38.97
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*101.23*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	551.68	40.12
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*103.01*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	636.21	42.03
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*120.15*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	770.62	43.94
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*147.77*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	194.41	11.46
		For 1" Pilaster, Add	*21.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*37.16*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	223.71	13.37
		For 1" Pilaster, Add	*24.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*42.70*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	227.52	15.29
		For 1" Pilaster, Add	*24.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*42.89*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	263.74	17.19
		For 1" Pilaster, Add	*28.67*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*49.88*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	296.76	19.10
		For 1" Pilaster, Add	*32.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*56.21*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	329.78	21.02
		For 1" Pilaster, Add	*35.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*62.53*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	423.32	22.93
		For 1" Pilaster, Add	*47.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*81.56*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	521.12	24.83
		For 1" Pilaster, Add	*58.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*101.49*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	547.23	26.75
		For 1" Pilaster, Add	*61.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*106.36*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	213.52	11.46
		For 1" Pilaster, Add	*23.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*41.17*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	250.26	13.37
		For 1" Pilaster, Add	*27.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*48.27*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	254.07	15.29
		For 1" Pilaster, Add	*27.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*48.47*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	294.53	17.19
		For 1" Pilaster, Add	*32.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*56.35*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	332.86	19.10
		For 1" Pilaster, Add	*36.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*63.79*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	371.46	21.02
		For 1" Pilaster, Add	*41.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*71.28*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	485.44	22.93
		For 1" Pilaster, Add	*54.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*94.61*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	579.26	24.83
		For 1" Pilaster, Add	*66.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*113.70*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	609.09	26.75
		For 1" Pilaster, Add	*69.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*119.35*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	240.27	15.29
		For 1" Pilaster, Add	*26.21*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*45.57*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	284.44	17.19
		For 1" Pilaster, Add	*31.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*54.23*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	288.26	19.10
		For 1" Pilaster, Add	*31.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*54.42*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	332.96	21.02
		For 1" Pilaster, Add	*36.37*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*63.20*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	376.60	22.93
		For 1" Pilaster, Add	*41.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*71.75*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	420.78	24.83
		For 1" Pilaster, Add	*46.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*80.42*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	555.19	26.75
		For 1" Pilaster, Add	*62.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*108.03*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	645.02	28.66
		For 1" Pilaster, Add	*73.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*126.28*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	678.58	30.56
		For 1" Pilaster, Add	*77.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
		For NFPA Class A, Add	*132.72*	

10 21 13 19-0221 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0222 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0221)*

Note: Small particulate finish.

10 21 13 19-0223 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0222)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	2,881.30	85.97
		For >10, Deduct	*-270.94*	
		For Solid Color Material (No Particulate), Deduct	*-623.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,479.19	93.61
		For Solid Color Material (No Particulate), Deduct	*-757.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,858.05	97.44
		For Solid Color Material (No Particulate), Deduct	*-842.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0227		**Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0222)*		
10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	2,993.31	105.07
		For >10, Deduct	*-278.32*	
		For Solid Color Material (No Particulate), Deduct	*-640.13*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,931.55	112.72
		For Solid Color Material (No Particulate), Deduct	*-852.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,351.97	116.54
		For Solid Color Material (No Particulate), Deduct	*-947.35*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0231		**Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,353.43	124.18
		For >10, Deduct	*-310.51*	
		For Solid Color Material (No Particulate), Deduct	*-714.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,502.40	131.82
		For Solid Color Material (No Particulate), Deduct	*-974.91*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,922.49	135.64
		For Solid Color Material (No Particulate), Deduct	*-1,069.78*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0235		**Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,387.65	143.29
		For >10, Deduct	*-310.11*	
		For Solid Color Material (No Particulate), Deduct	*-713.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,326.24	150.93
		For Solid Color Material (No Particulate), Deduct	*-925.61*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,746.33	154.75
		For Solid Color Material (No Particulate), Deduct	*-1,020.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*166.70*	
10 21 13 19-0239		**Solid Polyester (Corian) Urinal Screens** *(10 21 13 19-0221)*		
10 21 13 19-0240		**Floor Anchored, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	796.10	53.47
		For Solid Color Material (No Particulate), Deduct	*-158.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,051.22	57.29
		For Solid Color Material (No Particulate), Deduct	*-215.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,306.34	61.11
		For Solid Color Material (No Particulate), Deduct	*-272.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0244		**Wall Hung, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	408.19	45.83
		For Solid Color Material (No Particulate), Deduct	*-72.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	521.33	49.66
		For Solid Color Material (No Particulate), Deduct	*-97.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	634.49	53.47
		For Solid Color Material (No Particulate), Deduct	*-121.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	533.48	49.66
		For Solid Color Material (No Particulate), Deduct	*-99.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	664.87	53.47
		For Solid Color Material (No Particulate), Deduct	*-128.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	796.24	57.29
		For Solid Color Material (No Particulate), Deduct	*-156.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	815.43	49.66
		For Solid Color Material (No Particulate), Deduct	*-164.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0254	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,070.55	53.47
		For Solid Color Material (No Particulate), Deduct	*-221.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0255	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,325.67	57.29
		For Solid Color Material (No Particulate), Deduct	*-278.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0256		**Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0221)*		
10 21 13 19-0257		**Solid Polyester (Corian), Toilet Partition Doors** *(10 21 13 19-0256)*		
10 21 13 19-0258	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	628.62	15.29
		For Solid Color Material (No Particulate), Deduct	*-137.55*	
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 19-0259	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	671.37	15.29
		For Solid Color Material (No Particulate), Deduct	*-147.39*	
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 19-0260	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	765.60	17.19
		For Solid Color Material (No Particulate), Deduct	*-168.18*	
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 19-0261	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	853.81	17.19
		For Solid Color Material (No Particulate), Deduct	*-188.47*	
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 19-0262	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	892.19	17.19
		For Solid Color Material (No Particulate), Deduct	*-197.29*	
		For Heavy Gauge Full-Height SS Hinge, Add	*74.33*	
10 21 13 19-0263		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	169.58	22.93
		For Solid Color Material (No Particulate), Deduct	*-28.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	297.16	24.83
		For Solid Color Material (No Particulate), Deduct	*-56.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	424.70	26.75
		For Solid Color Material (No Particulate), Deduct	*-85.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	552.27	28.66
		For Solid Color Material (No Particulate), Deduct	*-113.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	679.83	30.56
		For Solid Color Material (No Particulate), Deduct	*-142.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	807.37	32.48
		For Solid Color Material (No Particulate), Deduct	*-170.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	934.95	34.39
		For Solid Color Material (No Particulate), Deduct	*-199.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,062.50	36.30
		For Solid Color Material (No Particulate), Deduct	*-227.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,210.68	38.21
		For Solid Color Material (No Particulate), Deduct	*-260.88*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,274.08	38.97
		For Solid Color Material (No Particulate), Deduct	*-275.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,317.62	40.12
		For Solid Color Material (No Particulate), Deduct	*-284.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,527.68	42.03
		For Solid Color Material (No Particulate), Deduct	*-332.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,696.47	43.94
		For Solid Color Material (No Particulate), Deduct	*-369.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0277		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0278	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	217.13	11.46
		For Solid Color Material (No Particulate), Deduct	*-44.67*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0279	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	269.50	13.37
		For Solid Color Material (No Particulate), Deduct	*-55.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0280	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	321.86	15.29
		For Solid Color Material (No Particulate), Deduct	*-67.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0281	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	422.80	17.19
		For Solid Color Material (No Particulate), Deduct	*-89.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0282	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	523.72	19.10
		For Solid Color Material (No Particulate), Deduct	*-111.67*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0283	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	624.64	21.02
		For Solid Color Material (No Particulate), Deduct	*-134.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0284	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	919.76	22.93
		For Solid Color Material (No Particulate), Deduct	*-201.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0285	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,117.81	24.83
		For Solid Color Material (No Particulate), Deduct	*-245.67*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0286	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,218.72	26.75
		For Solid Color Material (No Particulate), Deduct	*-268.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0287		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	244.10	11.46
		For Solid Color Material (No Particulate), Deduct	*-50.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0289	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	303.23	13.37
		For Solid Color Material (No Particulate), Deduct	*-63.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0290	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	356.00	15.29
		For Solid Color Material (No Particulate), Deduct	*-74.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0291	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	485.18	17.19
		For Solid Color Material (No Particulate), Deduct	*-103.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0292	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	591.15	19.10
		For Solid Color Material (No Particulate), Deduct	*-127.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0293	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	705.55	21.02
		For Solid Color Material (No Particulate), Deduct	*-152.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0294	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,041.14	22.93
		For Solid Color Material (No Particulate), Deduct	*-228.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0295	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,266.16	24.83
		For Solid Color Material (No Particulate), Deduct	*-279.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0296	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,380.55	26.75
		For Solid Color Material (No Particulate), Deduct	*-305.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0297		**96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	321.86	15.29
		For Solid Color Material (No Particulate), Deduct	*-67.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0299	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	398.52	17.19
		For Solid Color Material (No Particulate), Deduct	*-83.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0300	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	475.17	19.10
		For Solid Color Material (No Particulate), Deduct	*-100.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0301	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	624.64	21.02
		For Solid Color Material (No Particulate), Deduct	*-134.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0302	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	774.11	22.93
		For Solid Color Material (No Particulate), Deduct	*-167.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0303	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	923.59	24.83
		For Solid Color Material (No Particulate), Deduct	*-201.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0304	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,364.37	26.75
		For Solid Color Material (No Particulate), Deduct	*-301.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0305	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,659.50	28.66
		For Solid Color Material (No Particulate), Deduct	*-368.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	
10 21 13 19-0306	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,808.98	30.56
		For Solid Color Material (No Particulate), Deduct	*-402.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*46.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

10 21 13 43-0001 Accessories *(10 21 13 43)*

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	10.22	1.53
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	14.45	1.53
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	76.41	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	53.40	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	89.12	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	58.66	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	141.88	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	112.86	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	95.98	

10 21 16 Shower And Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	656.26	95.53
		For 66" High Panels, Add	*69.78*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	826.62	103.17
		For 66" High Panels, Add	*93.04*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,071.08	114.63
		For 66" High Panels, Add	*126.27*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,264.34	133.73
		For 66" High Panels, Add	*149.53*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,457.63	152.83
		For 66" High Panels, Add	*172.79*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,591.08	167.89
		For 66" High Panels, Add	*221.87*	
		For 6" Wide Head Rail, Add	*41.02*	
		For 8" Wide Head Rail, Add	*56.93*	
		For 10" Wide Head Rail, Add	*69.48*	
		For 12" Wide Head Rail, Add	*83.71*	
		For 18" Wide, 1/2" Thick Bench, Add	*118.58*	
		For 24" Wide, 1/2" Thick Bench, Add	*158.58*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,966.61	183.33
		For 66" High Panels, Add	*276.66*	
		For 6" Wide Head Rail, Add	*51.66*	
		For 8" Wide Head Rail, Add	*71.33*	
		For 10" Wide Head Rail, Add	*87.33*	
		For 12" Wide Head Rail, Add	*105.16*	
		For 18" Wide, 1/2" Thick Bench, Add	*121.67*	
		For 24" Wide, 1/2" Thick Bench, Add	*161.67*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,482.10	194.95
		For 66" High Panels, Add	*352.82*	
		For 6" Wide Head Rail, Add	*66.67*	
		For 8" Wide Head Rail, Add	*91.49*	
		For 10" Wide Head Rail, Add	*112.41*	
		For 12" Wide Head Rail, Add	*135.28*	
		For 18" Wide, 1/2" Thick Bench, Add	*123.99*	
		For 24" Wide, 1/2" Thick Bench, Add	*163.99*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,651.47	218.10
		For 66" High Panels, Add	*375.91*	
		For 6" Wide Head Rail, Add	*70.82*	
		For 8" Wide Head Rail, Add	*97.34*	
		For 10" Wide Head Rail, Add	*119.49*	
		For 12" Wide Head Rail, Add	*143.82*	
		For 18" Wide, 1/2" Thick Bench, Add	*128.62*	
		For 24" Wide, 1/2" Thick Bench, Add	*168.62*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,033.93	237.05
		For 66" High Panels, Add	*431.39*	
		For 6" Wide Head Rail, Add	*81.54*	
		For 8" Wide Head Rail, Add	*111.88*	
		For 10" Wide Head Rail, Add	*137.47*	
		For 12" Wide Head Rail, Add	*165.44*	
		For 18" Wide, 1/2" Thick Bench, Add	*132.41*	
		For 24" Wide, 1/2" Thick Bench, Add	*172.41*	

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0001		**Wall Panels** *(10 22 13)*		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	11.53	0.96
		For 5' Wide Panels, Add	*0.48*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	12.74	1.15
		For 5' Wide Panels, Add	*0.52*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.30	1.34
		For 5' Wide Panels, Add	*0.58*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)*		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	11.88	1.15
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.08	1.34
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.46	1.53
10 22 13 00-0009		**Sliding Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,033.30	200.60
		For 8 Gauge, Add	*114.88*	
		For 6 Gauge, Add	*229.75*	
10 22 13 00-0011	EA	4' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,083.92	221.61
		For 8 Gauge, Add	*118.27*	
		For 6 Gauge, Add	*236.53*	
10 22 13 00-0012	EA	5' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,191.33	229.26
		For 8 Gauge, Add	*132.85*	
		For 6 Gauge, Add	*265.70*	
10 22 13 00-0013	EA	5' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,300.26	248.36
		For 8 Gauge, Add	*145.37*	
		For 6 Gauge, Add	*290.73*	
10 22 13 00-0014	EA	6' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,341.54	263.65
		For 8 Gauge, Add	*148.50*	
		For 6 Gauge, Add	*297.00*	
10 22 13 00-0015	EA	6' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,481.39	278.93
		For 8 Gauge, Add	*166.42*	
		For 6 Gauge, Add	*332.85*	
10 22 13 00-0016	EA	8' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,591.99	299.94
		For 8 Gauge, Add	*178.81*	
		For 6 Gauge, Add	*357.62*	
10 22 13 00-0017	EA	8' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,738.72	313.31
		For 8 Gauge, Add	*198.15*	
		For 6 Gauge, Add	*396.29*	
10 22 13 00-0018	EA	10' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,751.87	320.96
		For 8 Gauge, Add	*198.59*	
		For 6 Gauge, Add	*397.18*	
10 22 13 00-0019	EA	10' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,940.07	340.06
		For 8 Gauge, Add	*223.00*	
		For 6 Gauge, Add	*446.00*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Swing Door, 10 Gauge With Cylinder Lock	711.13	118.45
		For 8 Gauge, Add	*81.20*	
		For 6 Gauge, Add	*162.40*	
10 22 13 00-0023	EA	3' x 8' Swing Door, 10 Gauge With Cylinder Lock	766.72	133.73
		For 8 Gauge, Add	*88.26*	
		For 6 Gauge, Add	*176.52*	
10 22 13 00-0024	EA	3' x 9' Swing Door, 10 Gauge With Cylinder Lock	822.73	141.37
		For 8 Gauge, Add	*95.13*	
		For 6 Gauge, Add	*190.27*	
10 22 13 00-0025	EA	4' x 7' Swing Door, 10 Gauge With Cylinder Lock	804.94	152.83
		For 8 Gauge, Add	*90.17*	
		For 6 Gauge, Add	*180.35*	
10 22 13 00-0026	EA	4' x 8' Swing Door, 10 Gauge With Cylinder Lock	863.08	160.48
		For 8 Gauge, Add	*97.37*	
		For 6 Gauge, Add	*194.73*	
10 22 13 00-0027	EA	4' x 9' Swing Door, 10 Gauge With Cylinder Lock	901.60	168.12
		For 8 Gauge, Add	*101.62*	
		For 6 Gauge, Add	*203.23*	
10 22 13 00-0028	EA	4' x 7' Dutch Door, 10 Gauge With Cylinder Lock	1,083.63	152.83
		For 8 Gauge, Add	*131.98*	
		For 6 Gauge, Add	*263.95*	
10 22 13 00-0029	EA	4' x 8' Dutch Door, 10 Gauge With Cylinder Lock	1,150.50	160.48
		For 8 Gauge, Add	*140.48*	
		For 6 Gauge, Add	*280.96*	
10 22 13 00-0030		**Double Swing Doors** *(10 22 13 00-0020)*		
10 22 13 00-0031	EA	6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,129.91	191.05
		For 8 Gauge, Add	*131.28*	
		For 6 Gauge, Add	*262.56*	
10 22 13 00-0032	EA	6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,152.84	202.51
		For 8 Gauge, Add	*132.42*	
		For 6 Gauge, Add	*264.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0033	EA	6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,617.17	213.97
		For 8 Gauge, Add	*199.78*	
		For 6 Gauge, Add	*399.56*	
10 22 13 00-0034	EA	8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,206.33	229.26
		For 8 Gauge, Add	*135.10*	
		For 6 Gauge, Add	*270.20*	
10 22 13 00-0035	EA	8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,229.25	240.72
		For 8 Gauge, Add	*136.24*	
		For 6 Gauge, Add	*272.49*	
10 22 13 00-0036	EA	8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,693.59	252.18
		For 8 Gauge, Add	*203.60*	
		For 6 Gauge, Add	*407.21*	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	45.30	3.61
		For <135, Add	*9.06*	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	46.05	3.73
		For <135, Add	*9.21*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	48.18	3.85
		For <135, Add	*9.64*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	51.01	3.97
		For <135, Add	*10.20*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	51.95	4.09
		For <135, Add	*10.39*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	52.64	4.21
		For <135, Add	*10.53*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	53.31	4.32
		For <135, Add	*10.66*	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	54.24	4.57
		For <135, Add	*10.85*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	76.70	6.34
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.34*	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	71.67	5.08
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.21*	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	67.91	4.22
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.08*	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	65.84	4.44
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.78*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	61.89	3.61
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.61*	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	59.52	3.23
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.48*	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	58.69	3.48
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.31*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	55.65	2.98
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.14*	
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	53.50	2.66
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.01*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	81.73	5.64
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*7.13*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	75.94	4.29
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*6.94*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	72.46	3.61
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*6.78*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 26 Wall And Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	5.88		2.30
		For >50 To 100, Deduct	*-0.95*		
		For >100 To 200, Deduct	*-1.33*		
		For >200, Deduct	*-1.82*		
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	6.39		2.30
		For >50 To 100, Deduct	*-0.95*		
		For >100 To 200, Deduct	*-1.33*		
		For >200, Deduct	*-1.84*		
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	9.19		2.30
		For >50 To 100, Deduct	*-0.95*		
		For >100 To 200, Deduct	*-1.33*		
		For >200, Deduct	*-1.98*		
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	12.69		2.30
		For >50 To 100, Deduct	*-0.95*		
		For >100 To 200, Deduct	*-1.33*		
		For >200, Deduct	*-2.16*		

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	12.06		2.30
		For >50 To 100, Deduct	*-0.95*		
		For >100 To 200, Deduct	*-1.33*		
		For >200, Deduct	*-2.13*		

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*
Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	11.43		3.43
		For >50 To 100, Deduct	*-1.43*		
		For >100 To 200, Deduct	*-2.01*		
		For >200, Deduct	*-2.86*		
		For Recycled Vinyl Retainer, Deduct	*-1.14*		
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	12.99		3.43
		For >50 To 100, Deduct	*-1.43*		
		For >100 To 200, Deduct	*-2.01*		
		For >200, Deduct	*-2.94*		
		For Recycled Vinyl Retainer, Deduct	*-1.45*		
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	14.54		3.43
		For >50 To 100, Deduct	*-1.43*		
		For >100 To 200, Deduct	*-2.01*		
		For >200, Deduct	*-3.02*		
		For Recycled Vinyl Retainer, Deduct	*-1.76*		

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	17.45		3.43
		For >50 To 100, Deduct	*-1.43*		
		For >100 To 200, Deduct	*-2.01*		
		For >200, Deduct	*-3.16*		
		For Recycled Vinyl Retainer, Deduct	*-2.34*		

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	24.95		4.58
		For >50 To 100, Deduct	*-1.91*		
		For >100 To 200, Deduct	*-2.67*		
		For >200, Deduct	*-4.30*		
		For Recycled Vinyl Retainer, Deduct	*-3.46*		

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	15.91	3.43
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 200, Deduct	*-2.01*	
		For >200, Deduct	*-3.09*	
		For Up To 2 HR Fire Rated, Add	*7.13*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	19.60	3.43
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 200, Deduct	*-2.01*	
		For >200, Deduct	*-3.27*	
		For Up To 2 HR Fire Rated, Add	*9.71*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	18.01	3.43
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 200, Deduct	*-2.01*	
		For >200, Deduct	*-3.19*	
		For Up To 2 HR Fire Rated, Add	*8.60*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	21.17	3.43
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 200, Deduct	*-2.01*	
		For >200, Deduct	*-3.35*	
		For Up To 2 HR Fire Rated, Add	*10.81*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	45.92	4.58
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 200, Deduct	*-2.67*	
		For >200, Deduct	*-5.35*	
		For Up To 2 HR Fire Rated, Add	*26.80*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*

10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	8.61	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.95*	
		For Bolting To Concrete Or Masonry, Add	*1.86*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	11.39	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.09*	
		For Bolting To Concrete Or Masonry, Add	*2.28*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	13.64	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.21*	
		For Bolting To Concrete Or Masonry, Add	*2.62*	

10 26 13 00-0036 Polycarbonate Corner Guards *(10 26 13)*

10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*

10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*

10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	5.26	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.79*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	6.62	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.86*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	8.20	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.93*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	9.16	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.98*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	8.81	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.96*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0044			135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
	10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	9.16	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-1.98*	
10 26 13 00-0046			Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047			Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
	10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	8.02	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-1.93*	
	10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	9.85	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-2.02*	
	10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	10.99	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-2.07*	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
	10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	8.02	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-1.93*	
	10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	9.85	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-2.02*	
	10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	10.99	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-2.07*	
10 26 13 00-0056			Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057			Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
	10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	10.53	2.75
			For Galvanizing, Add	*2.08*	
			For >50 To 100, Deduct	*-1.15*	
			For >100 To 200, Deduct	*-1.60*	
			For >200, Deduct	*-2.36*	
	10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.64	2.98
			For Galvanizing, Add	*3.04*	
			For >50 To 100, Deduct	*-1.24*	
			For >100 To 200, Deduct	*-1.74*	
			For >200, Deduct	*-2.67*	
	10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.54	3.09
			For Galvanizing, Add	*3.29*	
			For >50 To 100, Deduct	*-1.29*	
			For >100 To 200, Deduct	*-1.80*	
			For >200, Deduct	*-2.79*	
	10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.86	3.21
			For Galvanizing, Add	*3.33*	
			For >50 To 100, Deduct	*-1.34*	
			For >100 To 200, Deduct	*-1.87*	
			For >200, Deduct	*-2.88*	
	10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.83	3.32
			For Galvanizing, Add	*4.65*	
			For >50 To 100, Deduct	*-1.39*	
			For >100 To 200, Deduct	*-1.94*	
			For >200, Deduct	*-3.16*	
	10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	22.83	3.43
			For Galvanizing, Add	*5.99*	
			For >50 To 100, Deduct	*-1.43*	
			For >100 To 200, Deduct	*-2.01*	
			For >200, Deduct	*-3.43*	
	10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	39.54	4.58
			For Galvanizing, Add	*11.17*	
			For >50 To 100, Deduct	*-1.91*	
			For >100 To 200, Deduct	*-2.67*	
			For >200, Deduct	*-5.03*	
10 26 13 00-0067			Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068			Stainless Steel Corner Guards *(10 26 13 00-0067)*		

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	9.06	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-1.98*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	10.68	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.06*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	14.88	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.27*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	14.88	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.27*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	14.88	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.27*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	14.88	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-2.27*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	18.32	2.75
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 200, Deduct	*-1.60*	
		For >200, Deduct	*-2.75*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	31.00	2.98
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 200, Deduct	*-1.74*	
		For >200, Deduct	*-3.53*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	43.71	3.09
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.80*	
		For >200, Deduct	*-4.25*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	40.71	3.21
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-4.18*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	58.62	3.32
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 200, Deduct	*-1.94*	
		For >200, Deduct	*-5.15*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	54.02	3.43
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 200, Deduct	*-2.01*	
		For >200, Deduct	*-4.99*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	45.39	2.30
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 200, Deduct	*-1.33*	
		For >200, Deduct	*-3.79*	
		For Bolting To Concrete Or Masonry, Add	*7.38*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	19.79	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-2.51*	
			For Bolting To Concrete Or Masonry, Add	*3.54*	
	10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
	10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
	10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
	10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	17.22	2.30
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 200, Deduct	*-1.33*	
			For >200, Deduct	*-2.39*	
			For Bolting To Concrete Or Masonry, Add	*3.15*	
10 26 16	**Bumper Guards** *(10 26)*				
10 26 16 13	**Bumper Rails** *(10 26 16)*				
	10 26 16 13-0001		Crash Rails *(10 26 16 13)* Note: Includes end caps.		
	10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		
	10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	9.50	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-2.92*	
	10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	10.70	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-2.98*	
	10 26 16 13-0005		Aluminum Crash Rails *(10 26 16 13-0001)*		
	10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	31.63	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-4.03*	
	10 26 16 13-0007		Stainless Steel Crash Rails *(10 26 16 13-0001)*		
	10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	57.15	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-5.30*	
	10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	44.39	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-4.66*	
	10 26 16 13-0010		Wall Guards *(10 26 16 13)*		
	10 26 16 13-0011		Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)* Note: Includes end caps.		
	10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	10.14	2.68
			For >50 To 100, Deduct	*-1.34*	
			For >100 To 200, Deduct	*-1.87*	
			For >200, Deduct	*-2.65*	
	10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	12.47	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-3.07*	
	10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	13.66	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-3.13*	
	10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	14.30	3.06
			For >50 To 100, Deduct	*-1.53*	
			For >100 To 200, Deduct	*-2.14*	
			For >200, Deduct	*-3.16*	
	10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	17.34	3.25
			For >50 To 100, Deduct	*-1.62*	
			For >100 To 200, Deduct	*-2.27*	
			For >200, Deduct	*-3.46*	
	10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	17.44	3.25
			For >50 To 100, Deduct	*-1.62*	
			For >100 To 200, Deduct	*-2.27*	
			For >200, Deduct	*-3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	18.02	3.25
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-3.50*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	21.98	3.43
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 200, Deduct	*-2.40*	
		For >200, Deduct	*-3.85*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	14.22	2.68
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-2.85*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	21.42	3.06
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 200, Deduct	*-2.14*	
		For >200, Deduct	*-3.52*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	32.46	3.06
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 200, Deduct	*-2.14*	
		For >200, Deduct	*-4.07*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	46.37	3.06
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 200, Deduct	*-2.14*	
		For >200, Deduct	*-4.76*	

10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	34.75	3.25
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-4.33*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	44.26	3.43
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 200, Deduct	*-2.40*	
		For >200, Deduct	*-4.96*	

10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	58.43	3.06
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 200, Deduct	*-2.14*	
		For >200, Deduct	*-5.37*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	62.25	3.06
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 200, Deduct	*-2.14*	
		For >200, Deduct	*-5.56*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	27.65	2.68
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.52*	

10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	48.92	3.25
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-5.04*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	54.98	3.25
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.27*	
		For >200, Deduct	*-5.35*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	12.22	2.68
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-2.75*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	12.25	2.68
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-2.75*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	18.13	2.68
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.05*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*		
10 26 16 16-0003		LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	23.60	5.73
			For >50 To 100, Deduct	*-2.87*	
			For >100 To 200, Deduct	*-4.01*	
			For >200, Deduct	*-5.76*	
10 26 16 16-0004		EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	20.13	5.73
			For >25 To 50, Deduct	*-2.87*	
			For >50 To 100, Deduct	*-4.01*	
			For >100, Deduct	*-5.59*	
10 26 16 16-0005		LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	34.01	5.73
			For >50 To 100, Deduct	*-2.87*	
			For >100 To 200, Deduct	*-4.01*	
			For >200, Deduct	*-6.28*	
10 26 16 16-0006		EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	27.07	5.73
			For >25 To 50, Deduct	*-2.87*	
			For >50 To 100, Deduct	*-4.01*	
			For >100, Deduct	*-5.94*	
10 26 16 16-0007		LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	35.74	5.73
			For >50 To 100, Deduct	*-2.87*	
			For >100 To 200, Deduct	*-4.01*	
			For >200, Deduct	*-6.37*	
10 26 16 16-0008		EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	39.21	5.73
			For >25 To 50, Deduct	*-2.87*	
			For >50 To 100, Deduct	*-4.01*	
			For >100, Deduct	*-6.54*	
10 26 16 16-0009		LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	47.88	5.73
			For >50 To 100, Deduct	*-2.87*	
			For >100 To 200, Deduct	*-4.01*	
			For >200, Deduct	*-6.98*	
10 26 16 16-0010		EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	53.09	5.73
			For >25 To 50, Deduct	*-2.87*	
			For >50 To 100, Deduct	*-4.01*	
			For >100, Deduct	*-7.24*	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*		
10 26 16 16-0012		LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	65.23	5.73
			For >50 To 100, Deduct	*-2.87*	
			For >100 To 200, Deduct	*-4.01*	
			For >200, Deduct	*-7.85*	
10 26 16 16-0013		EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	66.96	5.73
			For >25 To 50, Deduct	*-2.87*	
			For >50 To 100, Deduct	*-4.01*	
			For >100, Deduct	*-7.93*	
10 26 16 16-0014			Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*		
			Note: Includes end caps.		
10 26 16 16-0015		LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	26.22	4.76
			For >50 To 100, Deduct	*-2.38*	
			For >100 To 200, Deduct	*-3.33*	
			For >200, Deduct	*-5.12*	
			For Maple, Add	*0.50*	
10 26 16 16-0016		LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	31.61	5.08
			For >50 To 100, Deduct	*-2.54*	
			For >100 To 200, Deduct	*-3.55*	
			For >200, Deduct	*-5.64*	
10 26 16 16-0017		LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	22.65	4.76
			For >50 To 100, Deduct	*-2.38*	
			For >100 To 200, Deduct	*-3.33*	
			For >200, Deduct	*-4.94*	
			For Maple, Add	*5.65*	
			For Oak, Add	*6.30*	
10 26 23			**Protective Wall Covering** *(10 26)*		
10 26 23 13			**Impact Resistant Wall Protection** *(10 26 23)*		
10 26 23 13-0001			Impact Resistant Wall Protection *(10 26 23 13)*		
			Note: Includes standard trim.		
10 26 23 13-0002		SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	6.35	1.91
10 26 23 13-0003		SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	6.66	1.91
10 26 23 13-0004		SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	8.45	1.91
10 26 23 13-0005			Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006			"L" Design *(10 26 23 13-0005)*		
10 26 23 13-0007			L-Shield *(10 26 23 13-0006)*		
10 26 23 13-0008		LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	10.12	1.91
10 26 23 13-0009		LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	11.80	2.68
10 26 23 13-0010		LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	15.48	3.43
10 26 23 13-0011		LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	21.16	4.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0012		**"Combo" Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	11.48	3.82
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	13.32	4.58
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	15.37	5.35
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	17.14	6.11
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	19.21	6.88
10 26 23 13-0018		**Snap-2 Pipe Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	9.64	3.82
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	11.70	4.58
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	13.61	5.35
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	15.84	6.11
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	18.14	6.88
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	6.20	1.91
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	8.96	2.68
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	12.79	3.43
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	16.01	4.20
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	16.87	2.30
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	20.71	2.68
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	24.54	3.06
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	94.26	3.82
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	3.76	1.15
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	5.66	1.91
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	7.50	2.68
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	8.57	3.43
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	6.05	1.91
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	8.65	2.68
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	12.49	3.43
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	49.62	4.20
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	6.06	1.15
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	8.12	1.91
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	11.26	2.68
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	50.35	3.43
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	37.05	3.82
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	40.04	4.58
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	48.40	5.73
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	84.03	6.88
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	7.75	1.15
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	12.11	1.91
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	15.18	2.68
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	19.40	2.68
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	10.02	3.82
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	11.93	4.58
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	13.76	5.35
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	16.91	6.11
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	19.14	6.88
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	9.48	3.82
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	11.55	4.58
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	13.99	5.35
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	15.69	6.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	18.06	6.88
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	7.28	1.91
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	9.19	2.68
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	11.26	3.43
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	19.94	2.30
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	23.78	2.68
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	25.31	3.06
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	3.45	1.15
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	5.13	1.91
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	6.81	2.68
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	7.05	1.91
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	9.11	2.68
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	11.18	3.43
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	6.45	1.15
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	8.73	1.91
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	10.96	2.68
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	46.34	3.82
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	51.64	4.58
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	61.15	5.73
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	45.50	3.82
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	50.10	4.58
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	59.69	5.73
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	57.77	5.73
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	64.37	6.88
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	75.26	8.41
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	75.96	6.50
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	82.17	8.03
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	103.99	7.64
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	116.64	9.17
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	141.81	11.46
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	142.15	8.41
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	156.56	10.31
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	17.80	1.91
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	20.25	2.68
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	25.23	3.43
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	20.17	2.30
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	25.16	3.06
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	98.64	3.82
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	60.94	3.82
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	66.15	4.58
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	77.66	5.73
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	94.42	4.20
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	67.08	4.20
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	99.93	5.35
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	77.73	5.35
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	120.05	6.11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	70.13	5.73
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	81.19	6.88
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	94.54	8.41
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	74.20	6.50
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	115.89	7.26
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	82.86	8.03
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	112.79	9.56
10 26 23 13-0138		**Fittings (L Or U)** *(10 26 23 13-0005)*		
10 26 23 13-0139		**Hugger Hangers For Steel Pipe** *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	7.72	3.06
10 26 23 13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	9.64	3.82
10 26 23 13-0142	EA	Hugger Hanger, For 1" Steel Pipe	11.32	4.58
10 26 23 13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	13.07	5.35
10 26 23 13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	14.76	6.11
10 26 23 13-0145	EA	Hugger Hanger, For 2" Steel Pipe	16.60	6.11
10 26 23 13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	18.29	7.64
10 26 23 13-0147	EA	Hugger Hanger, For 3" Steel Pipe	22.66	8.41
10 26 23 13-0148		**Hugger Hangers For Copper Pipe** *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Copper Pipe, Hugger Hanger	7.80	3.06
10 26 23 13-0150	EA	3/4" Copper Pipe, Hugger Hanger	9.71	3.82
10 26 23 13-0151	EA	1" Copper Pipe, Hugger Hanger	11.40	4.58
10 26 23 13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger	13.15	5.35
10 26 23 13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger	14.84	6.11
10 26 23 13-0154	EA	2" Copper Pipe, Hugger Hanger	16.76	6.88
10 26 23 13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger	18.44	7.64
10 26 23 13-0156	EA	3" Copper Pipe, Hugger Hanger	22.89	8.41
10 26 23 13-0157		**Shield Extension (L Or U)** *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	9.37	1.15
10 26 23 13-0159		**Interior Steel Soffit System** *(10 26 23 13)* Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	18.04	3.43
		For 22 Gauge Steel, Add	*1.12*	
		For 20 Gauge Steel, Add	*2.39*	
		For 18 Gauge Steel, Add	*4.69*	
		For 16 Gauge Steel, Add	*7.20*	
		For Stainless Steel, Add	*2.79*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	29.27	9.56
		For Stainless Steel, Add	*2.54*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	71.13	11.46
		For Stainless Steel, Add	*11.86*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	22.31	5.73
		For Stainless Steel, Add	*2.71*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	5.01	2.30
		For Stainless Steel, Add	*0.11*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	20.41	3.43
		For 22 Gauge Steel, Add	*1.01*	
		For 20 Gauge Steel, Add	*2.16*	
		For 18 Gauge Steel, Add	*4.19*	
		For 16 Gauge Steel, Add	*7.04*	
		For Stainless Steel, Add	*3.38*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	29.27	9.56
		For Stainless Steel, Add	*2.54*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	71.13	11.46
		For Stainless Steel, Add	*11.86*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	19.26	4.20
		For Stainless Steel, Add	*2.71*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	5.01	2.30
		For Stainless Steel, Add	*0.11*	
10 26 41		**Bullet Resistant Panels** *(10 26)*		
10 26 41 00-0001		**Laminated Bullet Resistant Fiberglass Panel** *(10 26 41)* Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	13.15	1.08
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	17.85	1.15
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	20.16	1.23
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	21.45	1.30
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	23.23	1.38
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	24.98	1.46
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	42.02	1.77
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	60.33	2.76
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	71.61	3.30
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	86.59	3.61

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 28 Toilet, Bath, And Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	81.49	17.18
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	87.43	17.18
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	88.31	17.18
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	90.02	17.18
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	136.97	17.18
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	147.04	17.18
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	162.60	17.18
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	170.84	7.64
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	284.64	17.18
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	338.42	17.18
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	363.69	17.18

10 28 13 13-0016 Plastic Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0017	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	61.23	17.18
10 28 13 13-0018	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	129.48	17.18
10 28 13 13-0019	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	128.57	17.18

10 28 13 13-0020 Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0021	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	67.18	17.18

10 28 13 13-0022 Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0023 Plastic Toilet Tissue Dispensers *(10 28 13 13-0022)*

10 28 13 13-0024	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	61.01	17.18
10 28 13 13-0025	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	175.53	17.18

10 28 13 13-0026 Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0022)*

10 28 13 13-0027	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	54.85	17.18
10 28 13 13-0028	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	55.29	17.18
10 28 13 13-0029	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	58.37	17.18
10 28 13 13-0030	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	64.09	17.18
10 28 13 13-0031	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	85.23	17.18

10 28 13 13-0032 Stainless Steel Toilet Tissue Dispensers *(10 28 13 13-0022)*

10 28 13 13-0033	EA	Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	46.26	17.18
10 28 13 13-0034	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	74.88	17.18
10 28 13 13-0035	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	75.02	17.18
10 28 13 13-0036	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	88.53	17.18
10 28 13 13-0037	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	54.40	17.18
10 28 13 13-0038	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	95.35	17.18
10 28 13 13-0039	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	134.93	17.18
10 28 13 13-0040	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	142.25	17.18
10 28 13 13-0041	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	180.29	17.18
10 28 13 13-0042	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	209.84	17.18
10 28 13 13-0043	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	258.92	17.18
10 28 13 13-0044	EA	Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840)	110.33	17.18

10 28 13 13-0045 Soap or Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0046	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	73.78	17.18
		For 34 Fluid Ounce (B-822), Add	*3.97*	
10 28 13 13-0047	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	80.39	17.18
		For 34 Fluid Ounce (B-822), Add	*3.97*	
10 28 13 13-0048	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	48.68	17.18
10 28 13 13-0049	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	53.30	17.18
10 28 13 13-0050	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	64.33	17.18
10 28 13 13-0051	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	66.24	17.18
10 28 13 13-0052	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	75.10	17.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0053	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	96.02	17.18
10 28 13 13-0054	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	165.53	17.18
10 28 13 13-0055	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	267.03	17.18
10 28 13 13-0056	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	163.62	17.18
10 28 13 13-0057	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	44.29	17.18
10 28 13 13-0058	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	65.15	17.18
10 28 13 13-0059	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	70.53	17.18
10 28 13 13-0060	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	56.60	17.18
10 28 13 13-0061		**Facial Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0062	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	85.67	17.18
10 28 13 13-0063	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	58.26	17.18
10 28 13 13-0064		**Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0065	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	47.80	17.18
10 28 13 13-0066	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	65.19	17.18
10 28 13 13-0067	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	120.02	17.18
10 28 13 13-0068	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	125.25	17.18
10 28 13 13-0069	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	252.72	17.18
10 28 13 13-0070		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0071	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	407.66	17.18
10 28 13 13-0072	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	245.18	17.18
10 28 13 13-0073		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0074	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	504.43	17.18
10 28 13 13-0075	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	382.46	17.18
10 28 13 13-0076	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	511.15	17.18
10 28 13 13-0077	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	384.60	17.18
10 28 13 13-0078	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	337.43	17.18
10 28 13 13-0079		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0080	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	348.60	38.19
10 28 13 13-0081	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	390.57	38.19
10 28 13 13-0082	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	321.92	38.19
10 28 13 13-0083	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	457.95	38.19
10 28 13 13-0084	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	470.93	38.19
10 28 13 13-0085	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	543.37	38.19
10 28 13 13-0086	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	508.73	38.19
10 28 13 13-0087		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0088		**Wall Mounted Waste Receptacles** *(10 28 13 13-0087)*		
10 28 13 13-0089	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	75.07	17.18
10 28 13 13-0090	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	127.94	17.18
10 28 13 13-0091	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	296.12	38.19
10 28 13 13-0092	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	444.96	38.19
10 28 13 13-0093	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	350.07	38.19
10 28 13 13-0094		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0087)*		
10 28 13 13-0095	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	89.52	17.18
10 28 13 13-0096	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	130.36	17.18
10 28 13 13-0097	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	255.40	7.64
10 28 13 13-0098	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	387.95	7.64
10 28 13 13-0099	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	363.25	7.64
10 28 13 13-0100	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	349.20	7.64
10 28 13 13-0101		**Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0087)*		
10 28 13 13-0102	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	243.28	38.19
10 28 13 13-0103	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	398.06	38.19
10 28 13 13-0104	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	391.90	38.19
10 28 13 13-0105	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	574.75	38.19
10 28 13 13-0106	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	795.52	38.19
10 28 13 13-0107	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	670.63	38.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0108	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	514.33	38.19
10 28 13 13-0109	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	840.16	38.19
10 28 13 13-0110	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	774.92	42.02
10 28 13 13-0111	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	516.87	42.02

10 28 13 13-0112 Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0087)*

10 28 13 13-0113	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	68.35	19.09
10 28 13 13-0114	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	140.98	19.09
10 28 13 13-0115	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	153.78	19.09
10 28 13 13-0116	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	365.58	19.09
10 28 13 13-0117	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	191.65	19.09
10 28 13 13-0118	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	339.39	19.09

10 28 13 13-0119 Grab Bars *(10 28 13 13-0001)*

10 28 13 13-0120 1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0119)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0121	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	69.53	15.28
		For Peened Grip, Add	*3.85*	
10 28 13 13-0122	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	80.47	15.28
		For Peened Grip, Add	*4.84*	
10 28 13 13-0123	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	81.57	15.28
		For Peened Grip, Add	*4.93*	
10 28 13 13-0124	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	82.09	15.28
		For Peened Grip, Add	*4.98*	
10 28 13 13-0125	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	82.23	15.28
		For Peened Grip, Add	*4.99*	
10 28 13 13-0126	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	84.88	15.28
		For Peened Grip, Add	*5.23*	
10 28 13 13-0127	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	89.05	15.28
		For Peened Grip, Add	*5.61*	

10 28 13 13-0128 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0119)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0129	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	136.91	15.28
		For Peened Grip, Add	*9.57*	
10 28 13 13-0130	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	139.76	15.28
		For Peened Grip, Add	*9.83*	

10 28 13 13-0131 1-1/2" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0119)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0132	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	79.56	15.28
		For Peened Grip, Add	*4.75*	
10 28 13 13-0133	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	80.47	15.28
		For Peened Grip, Add	*4.84*	
10 28 13 13-0134	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	82.23	15.28
		For Peened Grip, Add	*4.99*	
10 28 13 13-0135	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	83.99	15.28
		For Peened Grip, Add	*5.15*	
10 28 13 13-0136	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	86.20	15.28
		For Peened Grip, Add	*5.35*	
10 28 13 13-0137	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	88.18	15.28
		For Peened Grip, Add	*5.53*	
10 28 13 13-0138	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	93.02	15.28
		For Peened Grip, Add	*5.97*	

10 28 13 13-0139 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0119)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0140	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	125.01	15.28
		For Peened Grip, Add	*8.50*	
10 28 13 13-0141	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	134.49	15.28
		For Peened Grip, Add	*9.35*	
10 28 13 13-0142	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	116.64	15.28
		For Peened Grip, Add	*7.75*	

10 28 13 13-0143 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars *(10 28 13 13-0119)*

Note: Includes satin finish.

10 28 13 13-0144	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	371.10	15.28
		For Peened Grip, Add	*30.99*	

10 28 13 13-0145 Shelves *(10 28 13 13-0001)*

10 28 13 13-0146	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	90.95	17.18
10 28 13 13-0147	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	93.60	17.18
10 28 13 13-0148	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	105.71	17.18
10 28 13 13-0149	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	108.75	17.18
10 28 13 13-0150	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	103.95	17.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0151	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	105.39	17.18
10 28 13 13-0152	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	112.53	17.18
10 28 13 13-0153	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	122.87	17.18
10 28 13 13-0154	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	144.74	17.18
10 28 13 13-0155	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	112.75	17.18
10 28 13 13-0156	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	114.95	17.18
10 28 13 13-0157	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	386.60	17.18
10 28 13 13-0158	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	417.37	17.18
10 28 13 13-0159	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	464.87	17.18
10 28 13 13-0160	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	594.10	17.18
10 28 13 13-0161	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	829.53	17.18
10 28 13 13-0162	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	295.87	17.18
10 28 13 13-0163		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0164	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	344.79	22.92
10 28 13 13-0165	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	366.05	22.92
10 28 13 13-0166	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,492.65	22.92
10 28 13 13-0167	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	1,752.83	22.92
10 28 13 13-0168	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,492.65	22.92
10 28 13 13-0169	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	1,752.83	22.92
10 28 13 13-0170		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0171	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	430.09	30.55
10 28 13 13-0172	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	568.80	30.55
10 28 13 13-0173	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,380.91	30.55
10 28 13 13-0174	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	2,167.03	
10 28 13 13-0175		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0176	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	43.90	17.18
10 28 13 13-0177	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	45.44	17.18
10 28 13 13-0178	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	82.75	17.18
10 28 13 13-0179	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	90.46	17.18
10 28 13 13-0180		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0181	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.21	0.76
10 28 13 13-0182	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	37.53	7.64
10 28 13 13-0183	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	39.40	7.64
10 28 13 13-0184	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	65.41	17.18
10 28 13 13-0185	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	70.26	17.18
10 28 13 13-0186	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	76.20	17.18
10 28 13 13-0187	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	83.47	17.18
10 28 13 13-0188	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	57.05	17.18
10 28 13 13-0189	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	62.77	17.18
10 28 13 13-0190	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	66.08	17.18
10 28 13 13-0191	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	70.26	17.18
10 28 13 13-0192	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	59.47	17.18
10 28 13 13-0193	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	64.31	17.18
10 28 13 13-0194	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	70.03	17.18
10 28 13 13-0195	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	74.00	17.18
10 28 13 13-0196		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0197	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	398.91	20.03
10 28 13 13-0198	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	431.26	20.03
10 28 13 13-0199	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	480.14	20.03
10 28 13 13-0200	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	688.82	20.03
10 28 13 13-0201	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	1,211.04	20.03
10 28 13 13-0202	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,370.71	20.03
10 28 13 13-0203	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	1,535.88	20.03
10 28 13 13-0204	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	1,599.41	20.03
10 28 13 13-0205	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	1,667.17	20.03
10 28 13 13-0206	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,582.57	20.03
10 28 13 13-0207	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,017.14	20.03
10 28 13 13-0208	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,703.56	20.03
10 28 13 13-0209	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	753.87	20.03
10 28 13 13-0210	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	795.47	20.03
10 28 13 13-0211	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	819.24	20.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0212	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	843.02	20.03
10 28 13 13-0213	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	890.56	20.03
10 28 13 13-0214	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	611.24	20.03
10 28 13 13-0215	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	652.84	20.03
10 28 13 13-0216	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	676.61	20.03
10 28 13 13-0217	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	700.38	20.03
10 28 13 13-0218	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	747.93	20.03
10 28 13 13-0219	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	611.24	20.03
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	652.84	20.03
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	676.61	20.03
10 28 13 13-0222	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	700.38	20.03
10 28 13 13-0223	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	747.93	20.03
10 28 13 13-0224	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	444.83	20.03
10 28 13 13-0225	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	486.44	20.03
10 28 13 13-0226	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	510.21	20.03
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	533.98	20.03
10 28 13 13-0228	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	581.52	20.03
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	444.83	20.03
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	486.44	20.03
10 28 13 13-0231	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	510.21	20.03
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	533.98	20.03
10 28 13 13-0233	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	581.52	20.03
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	325.97	20.03
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	367.58	20.03
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	415.12	20.03

10 28 13 13-0237 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	627.51	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	879.52	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	734.52	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	915.77	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	788.89	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	970.14	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	788.89	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	970.14	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	734.52	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	915.77	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	662.02	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	843.27	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	627.51	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	879.52	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	734.52	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	915.77	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	788.89	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	970.14	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	788.89	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	970.14	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	734.52	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	915.77	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	662.02	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	843.27	20.03
		For ADA-Compliant Recess Kit, Add	*156.04*	

10 28 13 13-0262 Additional Accessories *(10 28 13 13-0001)*

10 28 13 13-0263 Hooks *(10 28 13 13-0262)*

10 28 13 13-0264	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	22.55	7.64
10 28 13 13-0265	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	27.39	7.64
10 28 13 13-0266	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	22.99	7.64
10 28 13 13-0267	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	25.15	7.64
10 28 13 13-0268	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	38.83	7.64

10 28 13 13-0269 Clotheslines *(10 28 13 13-0262)*

10 28 13 13-0270	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	39.40	15.28

10 28 13 13-0271 Towel Bars *(10 28 13 13-0262)*

10 28 13 13-0272	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	48.34	17.18
10 28 13 13-0273	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	48.51	17.18
10 28 13 13-0274	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	54.97	17.18
10 28 13 13-0275	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	55.58	17.18
10 28 13 13-0276	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	83.91	17.18
10 28 13 13-0277	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	87.65	17.18
10 28 13 13-0278	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	86.77	17.18
10 28 13 13-0279	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	89.85	17.18
10 28 13 13-0280	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	95.36	17.18
10 28 13 13-0281	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	98.64	17.18
10 28 13 13-0282	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	71.36	17.18
10 28 13 13-0283	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	74.22	17.18

10 28 13 13-0284 Towel Bar With Shelf *(10 28 13 13-0262)*

10 28 13 13-0285	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	167.57	17.18

10 28 13 13-0286 Towel Pins *(10 28 13 13-0262)*

10 28 13 13-0287	EA	Stainless Steel Towel Pin (Bobrick B-677)	41.70	7.64

10 28 13 13-0288 Mirrors *(10 28 13 13)*

10 28 13 13-0289 Stainless Steel Channel Frame Glass Mirrors *(10 28 13 13-0288)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0290	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	83.23	19.09
10 28 13 13-0291	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	95.18	19.09
10 28 13 13-0292	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	99.32	19.09
		For Tempered Glass (B-1658), Add	*34.76*	
10 28 13 13-0293	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	107.81	19.09
		For Tempered Glass (B-1658), Add	*40.71*	
10 28 13 13-0294	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	118.70	19.09
10 28 13 13-0295	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	123.28	19.09
		For Tempered Glass (B-1658), Add	*51.53*	
10 28 13 13-0296	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	153.33	19.09
10 28 13 13-0297	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	177.95	19.09
10 28 13 13-0298	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	215.56	19.09
10 28 13 13-0299	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	272.69	19.09
10 28 13 13-0300	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	307.40	19.09
10 28 13 13-0301		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0288)*		
10 28 13 13-0302	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	158.99	19.09
10 28 13 13-0303	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	171.84	19.09
10 28 13 13-0304	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	180.34	19.09
10 28 13 13-0305	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	204.30	19.09
10 28 13 13-0306		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0288)*		
10 28 13 13-0307	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	140.89	19.09
10 28 13 13-0308	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	155.08	19.09
		For Tempered Glass (B-2908), Add	*69.58*	
10 28 13 13-0309	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	159.87	19.09
		For Tempered Glass (B-2908), Add	*72.74*	
10 28 13 13-0310	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	188.18	19.09
10 28 13 13-0311	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	189.27	19.09
		For Tempered Glass (B-2908), Add	*92.14*	
10 28 13 13-0312	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	254.83	19.09
10 28 13 13-0313	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	300.56	19.09
10 28 13 13-0314	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	343.26	19.09
10 28 13 13-0315	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	226.99	19.09
10 28 13 13-0316	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	277.89	19.09
10 28 13 13-0317	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	428.44	19.09
10 28 13 13-0318		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0288)*		
10 28 13 13-0319	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	145.86	19.09
10 28 13 13-0320	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	292.94	19.09
10 28 13 13-0321	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	307.32	19.09
10 28 13 13-0322	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	343.26	19.09
10 28 13 13-0323		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0288)*		
10 28 13 13-0324	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	158.56	19.09
10 28 13 13-0325	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	206.68	19.09
10 28 13 13-0326		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0288)*		
10 28 13 13-0327	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	217.58	19.09
10 28 13 13-0328	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	226.95	19.09
10 28 13 13-0329	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	275.96	19.09
10 28 13 13-0330	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	340.64	19.09
10 28 13 13-0331		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0332		**Metal Medicine Cabinets** *(10 28 13 13-0331)*		
10 28 13 13-0333	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	546.81	38.19
10 28 13 13-0334	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	187.70	38.19
10 28 13 13-0335	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	193.96	38.19
10 28 13 13-0336	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	432.85	38.19
10 28 13 13-0337	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	596.88	38.19
10 28 13 13-0338		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0339	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	38.83	7.64
10 28 13 13-0340	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	101.74	17.18
10 28 13 13-0341	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	97.78	17.18
10 28 13 13-0342	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	111.73	17.18
10 28 13 13-0343	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	125.52	17.18
10 28 13 13-0344	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	82.30	17.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0345	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	236.93	17.18
10 28 13 13-0346	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	343.27	17.18
10 28 13 13-0347		Remove And Reinstall Bathroom Accessories *(10 28 13 13)*		
10 28 13 13-0348	EA	Removal And Reinstallation Of Bathroom Accessory	23.87	
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Residential Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	85.02	17.18
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	126.68	17.18
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	135.15	17.18
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	88.61	17.18
10 28 16 13-0007		Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	56.76	11.46
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	66.20	11.46
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	66.20	11.46
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	139.83	11.46
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	116.07	11.46
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	72.86	15.28
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	73.92	15.28
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	54.43	11.46
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	45.30	17.18
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	56.76	11.46
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	120.08	11.46
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	69.47	11.46
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	73.74	11.46
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	217.70	11.46
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	111.44	11.46
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	59.99	11.46
10 28 16 13-0024		Residential Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0025	EA	Surface Mounted Plastic Paper Towel Dispenser	58.10	17.18
10 28 16 13-0026	EA	Surface Mounted Plastic Napkin Disposal	52.86	17.18
10 28 16 13-0027	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	54.71	
10 28 16 13-0028	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	60.26	17.18
10 28 16 13-0029	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	58.11	17.18
10 28 16 13-0030	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	71.17	21.01
10 28 16 13-0031	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	42.28	15.28
10 28 16 13-0032	EA	13 Gallon Plastic Waste Door For Countertops	128.17	28.65
10 28 16 13-0033		Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)* Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0034	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	657.39	38.19
10 28 16 13-0035	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	786.18	38.19
10 28 16 13-0036	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	702.74	38.19
10 28 16 13-0037	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	848.04	38.19
10 28 16 13-0038	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	731.34	38.19
10 28 16 13-0039	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	902.40	38.19
10 28 16 13-0040	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	770.62	38.19
10 28 16 13-0041	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	968.82	38.19
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	363.14	38.22
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	381.92	19.12
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	459.83	19.12
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	379.93	19.12
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	406.53	19.12
10 28 19 16-0008		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0009		Framed, Sliding Shower Doors *(10 28 19 16-0008)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0010	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	613.72	19.12
10 28 19 16-0011	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	561.02	19.12
10 28 19 16-0012	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	575.22	19.12
10 28 19 16-0013	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	590.31	19.12
10 28 19 16-0014	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	598.73	19.12
10 28 19 16-0015	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	611.20	19.12

10 28 19 19 Tub Doors *(10 28 19)*

10 28 19 19-0001 Sliding Bathtub Doors *(10 28 19 19)*

10 28 19 19-0002 Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	545.18	19.12
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	551.25	19.12
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	564.98	19.12

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	985.42	24.82
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*57.85*	
		For Swing Key Hook Panel, Add	*156.85*	
		For Non-Locking Weather Housing, Add	*393.54*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,044.63	24.82
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*57.85*	
		For Swing Key Hook Panel, Add	*156.85*	
		For Second Swing Key Hook Panel, Add	*123.85*	
		For Non-Locking Weather Housing, Add	*393.54*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	493.97	24.82
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	434.76	24.82
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*54.23*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	579.83	24.82
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*54.23*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	616.83	24.82
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*54.23*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	282.12	31.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	288.05	31.31
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	289.24	31.31
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	326.05	31.31
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	422.22	31.31
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	435.28	31.31
10 44 13 00-0010		Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	286.12	31.31
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	291.62	31.31
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	300.78	31.31
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	316.36	31.31
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	364.64	31.31
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	379.30	31.31
10 44 13 00-0017		Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	387.39	31.31
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	397.93	31.31
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	403.20	31.31
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	439.21	31.31
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	511.81	31.31
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	533.77	31.31
10 44 13 00-0024		Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	819.02	31.31
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	824.83	31.31
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	943.28	31.31
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	359.29	31.31
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	404.41	31.31
10 44 13 00-0031		Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0032		Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	314.18	31.31
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	326.05	31.31
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	327.24	31.31
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	367.61	31.31
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	448.34	31.31
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	461.40	31.31
10 44 13 00-0039		Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	327.06	31.31
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	340.81	31.31
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	349.06	31.31
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	364.64	31.31
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	418.71	31.31
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	431.54	31.31
10 44 13 00-0046		Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	433.64	31.31
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	445.94	31.31
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	451.21	31.31
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	478.44	31.31
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	546.07	31.31
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	561.00	31.31
10 44 13 00-0053		Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,025.82	31.31
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,030.69	31.31
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,177.82	31.31
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	402.04	31.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	444.78	31.31
10 44 13 00-0060		**Surface Mounted Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0061		**Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	304.68	31.31
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	311.80	31.31
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	368.79	31.31
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	438.85	31.31
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	457.84	31.31
10 44 13 00-0067		**Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	414.13	31.31
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	426.04	31.31
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	452.62	31.31
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	504.86	31.31
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	526.86	31.31
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	510.06	31.31
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	526.74	31.31
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	568.02	31.31
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	647.95	31.31
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	672.54	31.31
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,173.23	31.31
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,319.22	31.31
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	375.92	31.31
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	428.16	31.31
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	611.01	31.31
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	28.21	9.55
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	25.02	9.55
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	23.08	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	79.21	19.09
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	132.49	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	145.74	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	198.74	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	271.60	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	317.98	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	76.84	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	79.49	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	105.99	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	192.11	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	194.76	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	99.64	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	104.62	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	141.15	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	249.09	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	252.41	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	527.58	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	538.38	103.59
		For Solid Steel Door, Deduct	*-8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	547.39	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	556.40	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	567.20	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	595.99	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	605.00	103.59
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	583.58	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	601.27	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	603.57	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	610.93	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	620.58	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	647.92	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	675.27	103.59
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	742.83	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	826.47	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	834.51	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	860.25	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	868.29	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	910.12	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	951.94	103.59
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	556.40	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	567.20	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	576.18	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	586.98	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	595.99	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	624.78	103.59
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	635.58	103.59
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	601.27	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	620.58	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	623.33	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	628.62	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	638.27	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	665.62	103.59
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	692.96	103.59
		For Solid Aluminum Door, Add	*6.50*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0149			Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*		
			Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150		EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	792.69	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151		EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	884.38	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152		EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	892.42	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153		EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	918.16	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154		EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	926.20	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155		EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	968.02	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156		EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,009.85	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0157			Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*		
10 44 13 00-0158			Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*		
			Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159		EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	567.20	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160		EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	576.18	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161		EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	586.98	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162		EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	595.99	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163		EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	605.00	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164		EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	635.58	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165		EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	644.59	103.59
			For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*		
			Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167		EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	647.92	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168		EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	665.62	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169		EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	670.21	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170		EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	675.27	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171		EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	683.31	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172		EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	712.26	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173		EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	729.96	103.59
			For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0174			Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*		
			Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175		EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	860.25	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176		EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,127.27	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177		EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,194.83	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178		EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,210.91	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179		EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,227.00	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180		EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,294.56	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181		EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,378.20	103.59
			For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 16			**Fire Extinguishers** *(10 44)*		
10 44 16 13			**Portable Fire Extinguishers** *(10 44 16)*		
			Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001			Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0002	EA	2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	194.02	9.93
		For >5 To 10, Deduct	*-7.16*	
		For >10, Deduct	*-14.31*	
		For Placement In Cabinet, Deduct	*-25.46*	
10 44 16 13-0003	EA	5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	295.24	11.46
		For >5 To 10, Deduct	*-11.82*	
		For >10, Deduct	*-23.65*	
		For Placement In Cabinet, Deduct	*-29.38*	
10 44 16 13-0004	EA	10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	384.08	14.52
		For >5 To 10, Deduct	*-15.38*	
		For >10, Deduct	*-30.77*	
		For Placement In Cabinet, Deduct	*-38.20*	
10 44 16 13-0005	EA	15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	471.81	18.33
		For >5 To 10, Deduct	*-18.82*	
		For >10, Deduct	*-37.63*	
		For Placement In Cabinet, Deduct	*-47.75*	
10 44 16 13-0006	EA	20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	526.53	18.33
		For >5 To 10, Deduct	*-21.55*	
		For >10, Deduct	*-43.10*	
		For Placement In Cabinet, Deduct	*-47.75*	
10 44 16 13-0007	EA	50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,829.65	29.03
		For >5 To 10, Deduct	*-83.84*	
		For >10, Deduct	*-167.69*	
10 44 16 13-0008	EA	100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,596.19	29.03
		For >5 To 10, Deduct	*-172.17*	
		For >10, Deduct	*-344.34*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	104.64	9.93
		For >5 To 10, Deduct	*-2.69*	
		For >10, Deduct	*-5.37*	
		For Placement In Cabinet, Deduct	*-25.46*	
10 44 16 13-0011	EA	5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	136.13	11.46
		For >5 To 10, Deduct	*-3.87*	
		For >10, Deduct	*-7.74*	
		For Placement In Cabinet, Deduct	*-29.38*	
10 44 16 13-0012	EA	10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	197.68	14.52
		For >5 To 10, Deduct	*-6.06*	
		For >10, Deduct	*-12.13*	
		For Placement In Cabinet, Deduct	*-38.20*	
10 44 16 13-0013	EA	20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	286.37	18.33
		For >5 To 10, Deduct	*-9.54*	
		For >10, Deduct	*-19.09*	
		For Placement In Cabinet, Deduct	*-47.75*	
10 44 16 13-0014	EA	50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,156.62	29.03
		For >5 To 10, Deduct	*-100.19*	
		For >10, Deduct	*-200.39*	
10 44 16 13-0015	EA	125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	3,297.02	29.03
		For >5 To 10, Deduct	*-157.21*	
		For >10, Deduct	*-314.43*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	217.46	11.46
		For >5 To 10, Deduct	*-7.94*	
		For >10, Deduct	*-15.87*	
		For Placement In Cabinet, Deduct	*-29.38*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	324.55	18.33
		For >5 To 10, Deduct	*-11.45*	
		For >10, Deduct	*-22.91*	
		For Placement In Cabinet, Deduct	*-47.75*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	342.15	18.33
		For >5 To 10, Deduct	*-12.33*	
		For >10, Deduct	*-24.67*	
		For Placement In Cabinet, Deduct	*-47.75*	
10 44 16 13-0020	EA	30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	521.87	18.33
		For >5 To 10, Deduct	*-21.32*	
		For >10, Deduct	*-42.64*	

10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	84.99	13.06
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	115.20	

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	11.11	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	16.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	387.67	31.31
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	274.87	31.31

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*
Note: Price per frame. Powder coated enamel paint. 24 gauge tops, bottoms, backs and sides. Doors less than 12" are 18 gauge. Doors 12" and wider are 16 gauge. Includes number plate and single point lock with silencers. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*
Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	209.13	23.68
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-8.09*	
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-25.69*	
		For 14 Gauge Doors, Add	*12.94*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	217.70	23.68
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-8.52*	
		For >50 To 100, Deduct	*-17.74*	
		For >100, Deduct	*-26.97*	
		For 14 Gauge Doors, Add	*13.63*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	229.42	23.68
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-9.10*	
		For >50 To 100, Deduct	*-18.92*	
		For >100, Deduct	*-28.73*	
		For 14 Gauge Doors, Add	*14.56*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	228.45	24.44
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-8.98*	
		For >50 To 100, Deduct	*-18.69*	
		For >100, Deduct	*-28.40*	
		For 14 Gauge Doors, Add	*14.36*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	235.55	24.44
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-9.33*	
		For >50 To 100, Deduct	*-19.40*	
		For >100, Deduct	*-29.47*	
		For 14 Gauge Doors, Add	*14.93*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	242.48	24.44
		For 16 Gauge Bottom, Add	*5.80*	
		For >25 To 50, Deduct	*-9.68*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-30.51*	
		For 14 Gauge Doors, Add	*15.49*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	254.44	24.44
		For 16 Gauge Bottom, Add	*6.65*	
		For >25 To 50, Deduct	*-10.28*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-32.30*	
		For 14 Gauge Doors, Add	*16.44*	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	266.28	24.44
		For 16 Gauge Bottom, Add	*6.65*	
		For >25 To 50, Deduct	*-10.87*	
		For >50 To 100, Deduct	*-22.47*	
		For >100, Deduct	*-34.08*	
		For 14 Gauge Doors, Add	*17.39*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	278.81	24.44
		For 16 Gauge Bottom, Add	*8.10*	
		For >25 To 50, Deduct	*-11.50*	
		For >50 To 100, Deduct	*-23.73*	
		For >100, Deduct	*-35.95*	
		For 14 Gauge Doors, Add	*18.39*	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	290.39	24.44
		For 16 Gauge Bottom, Add	*8.10*	
		For >25 To 50, Deduct	*-12.08*	
		For >50 To 100, Deduct	*-24.88*	
		For >100, Deduct	*-37.69*	
		For 14 Gauge Doors, Add	*19.32*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	396.15	24.44
		For 16 Gauge Bottom, Add	*11.50*	
		For >25 To 50, Deduct	*-17.36*	
		For >50 To 100, Deduct	*-35.46*	
		For >100, Deduct	*-53.56*	
		For 14 Gauge Doors, Add	*27.78*	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*
Note: Includes three single hooks and one double hook per tier.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	248.45	24.44
		For 16 Gauge Bottom, Add Per Frame	*11.60*	
		For >25 To 50, Deduct	*-9.98*	
		For >50 To 100, Deduct	*-20.69*	
		For >100, Deduct	*-31.40*	
		For 14 Gauge Doors, Add	*21.95*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	253.85	24.44
		For 16 Gauge Bottom, Add Per Frame	*11.60*	
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-21.23*	
		For >100, Deduct	*-32.21*	
		For 14 Gauge Doors, Add	*22.55*	
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	259.30	24.44
		For 16 Gauge Bottom, Add Per Frame	*11.60*	
		For >25 To 50, Deduct	*-10.52*	
		For >50 To 100, Deduct	*-21.77*	
		For >100, Deduct	*-33.03*	
		For 14 Gauge Doors, Add	*23.15*	
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	259.90	25.20
		For 16 Gauge Bottom, Add Per Frame	*11.60*	
		For >25 To 50, Deduct	*-10.47*	
		For >50 To 100, Deduct	*-21.70*	
		For >100, Deduct	*-32.93*	
		For 14 Gauge Doors, Add	*23.04*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	271.70	25.20
		For 16 Gauge Bottom, Add Per Frame	*11.60*	
		For >25 To 50, Deduct	*-11.06*	
		For >50 To 100, Deduct	*-22.88*	
		For >100, Deduct	*-34.70*	
		For 14 Gauge Doors, Add	*24.34*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	278.83	25.20
		For 16 Gauge Bottom, Add Per Frame	*11.60*	
		For >25 To 50, Deduct	*-11.42*	
		For >50 To 100, Deduct	*-23.60*	
		For >100, Deduct	*-35.77*	
		For 14 Gauge Doors, Add	*25.13*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	289.04	25.20
		For 16 Gauge Bottom, Add Per Frame	*13.30*	
		For >25 To 50, Deduct	*-11.93*	
		For >50 To 100, Deduct	*-24.62*	
		For >100, Deduct	*-37.31*	
		For 14 Gauge Doors, Add	*26.25*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	299.30	25.20
		For 16 Gauge Bottom, Add Per Frame	*13.30*	
		For >25 To 50, Deduct	*-12.44*	
		For >50 To 100, Deduct	*-25.64*	
		For >100, Deduct	*-38.84*	
		For 14 Gauge Doors, Add	*27.38*	
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	345.72	25.20
		For 16 Gauge Bottom, Add Per Frame	*16.20*	
		For >25 To 50, Deduct	*-14.77*	
		For >50 To 100, Deduct	*-30.29*	
		For >100, Deduct	*-45.81*	
		For 14 Gauge Doors, Add	*32.48*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	354.15	25.20
		For 16 Gauge Bottom, Add Per Frame	*16.20*	
		For >25 To 50, Deduct	*-15.19*	
		For >50 To 100, Deduct	*-31.13*	
		For >100, Deduct	*-47.07*	
		For 14 Gauge Doors, Add	*33.41*	

10 51 13 00-0025 Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one double hook per tier.

10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	292.76	25.97
		For 16 Gauge Bottom, Add Per Frame	*17.40*	
		For >25 To 50, Deduct	*-12.04*	
		For >50 To 100, Deduct	*-24.86*	
		For >100, Deduct	*-37.68*	
		For 14 Gauge Doors, Add	*36.12*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	298.30	25.97
		For 16 Gauge Bottom, Add Per Frame	*17.40*	
		For >25 To 50, Deduct	*-12.32*	
		For >50 To 100, Deduct	*-25.42*	
		For >100, Deduct	*-38.51*	
		For 14 Gauge Doors, Add	*36.95*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	318.01	25.97
		For 16 Gauge Bottom, Add Per Frame	*17.40*	
		For >25 To 50, Deduct	*-13.30*	
		For >50 To 100, Deduct	*-27.39*	
		For >100, Deduct	*-41.47*	
		For 14 Gauge Doors, Add	*39.91*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	336.88	25.97
		For 16 Gauge Bottom, Add Per Frame	*19.95*	
		For >25 To 50, Deduct	*-14.25*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-44.30*	
		For 14 Gauge Doors, Add	*42.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	351.91	25.97
		For 16 Gauge Bottom, Add Per Frame	*19.95*	
		For >25 To 50, Deduct	*-15.00*	
		For >50 To 100, Deduct	*-30.78*	
		For >100, Deduct	*-46.55*	
		For 14 Gauge Doors, Add	*45.00*	

10 51 13 00-0031 Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	286.88	26.74
		For 16 Gauge Bottom, Add Per Frame	*23.20*	
		For >25 To 50, Deduct	*-11.67*	
		For >50 To 100, Deduct	*-24.14*	
		For >100, Deduct	*-36.62*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	296.55	26.74
		For 16 Gauge Bottom, Add Per Frame	*23.20*	
		For >25 To 50, Deduct	*-12.15*	
		For >50 To 100, Deduct	*-25.11*	
		For >100, Deduct	*-38.07*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	312.12	26.74
		For 16 Gauge Bottom, Add Per Frame	*23.20*	
		For >25 To 50, Deduct	*-12.93*	
		For >50 To 100, Deduct	*-26.67*	
		For >100, Deduct	*-40.40*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	324.58	26.74
		For 16 Gauge Bottom, Add Per Frame	*26.60*	
		For >25 To 50, Deduct	*-13.56*	
		For >50 To 100, Deduct	*-27.91*	
		For >100, Deduct	*-42.27*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	342.51	26.74
		For 16 Gauge Bottom, Add Per Frame	*26.60*	
		For >25 To 50, Deduct	*-14.45*	
		For >50 To 100, Deduct	*-29.71*	
		For >100, Deduct	*-44.96*	

10 51 13 00-0037 Six Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	312.75	27.50
		For 16 Gauge Bottom, Add Per Frame	*34.80*	
		For >25 To 50, Deduct	*-12.89*	
		For >50 To 100, Deduct	*-26.60*	
		For >100, Deduct	*-40.31*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	320.21	27.50
		For 16 Gauge Bottom, Add Per Frame	*34.80*	
		For >25 To 50, Deduct	*-13.26*	
		For >50 To 100, Deduct	*-27.35*	
		For >100, Deduct	*-41.43*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	334.30	27.50
		For 16 Gauge Bottom, Add Per Frame	*34.80*	
		For >25 To 50, Deduct	*-13.97*	
		For >50 To 100, Deduct	*-28.76*	
		For >100, Deduct	*-43.55*	

10 51 13 00-0041 Locker And Coat Rack Combination *(10 51 13 00-0001)*

10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	591.36	18.33
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	942.09	38.19

10 51 13 00-0044 All-Welded Steel Lockers *(10 51 13)*

10 51 13 00-0045 All-Welded Steel Lockers *(10 51 13 00-0044)*

Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.

10 51 13 00-0046 Single Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes one hat shelf, two single hooks and one double hook.

10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	133.46	13.37
		For >25 To 50, Deduct	*-5.72*	
		For >50 To 100, Deduct	*-11.72*	
		For >100, Deduct	*-17.73*	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	140.22	13.37
		For >25 To 50, Deduct	*-6.06*	
		For >50 To 100, Deduct	*-12.40*	
		For >100, Deduct	*-18.74*	
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	146.72	13.37
		For >25 To 50, Deduct	*-6.38*	
		For >50 To 100, Deduct	*-13.05*	
		For >100, Deduct	*-19.72*	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	139.04	13.37
		For >25 To 50, Deduct	*-6.00*	
		For >50 To 100, Deduct	*-12.28*	
		For >100, Deduct	*-18.57*	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	145.54	13.37
		For >25 To 50, Deduct	*-6.32*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-19.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	152.04	13.37
		For >25 To 50, Deduct	*-6.65*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-20.52*	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	146.97	14.71
		For >25 To 50, Deduct	*-6.30*	
		For >50 To 100, Deduct	*-12.91*	
		For >100, Deduct	*-19.52*	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	152.98	14.71
		For >25 To 50, Deduct	*-6.60*	
		For >50 To 100, Deduct	*-13.51*	
		For >100, Deduct	*-20.43*	
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	159.48	14.71
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-14.16*	
		For >100, Deduct	*-21.40*	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	165.56	14.71
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-14.77*	
		For >100, Deduct	*-22.31*	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	170.57	14.71
		For >25 To 50, Deduct	*-7.48*	
		For >50 To 100, Deduct	*-15.27*	
		For >100, Deduct	*-23.06*	
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	177.48	14.71
		For >25 To 50, Deduct	*-7.82*	
		For >50 To 100, Deduct	*-15.96*	
		For >100, Deduct	*-24.10*	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	185.25	14.71
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-16.74*	
		For >100, Deduct	*-25.27*	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	302.30	14.71
		For >25 To 50, Deduct	*-14.06*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-42.82*	

10 51 13 00-0061 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	160.11	13.37
		For >25 To 50, Deduct	*-7.05*	
		For >50 To 100, Deduct	*-14.39*	
		For >100, Deduct	*-21.73*	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	163.09	13.37
		For >25 To 50, Deduct	*-7.20*	
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-22.17*	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	171.10	13.37
		For >25 To 50, Deduct	*-7.60*	
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-23.37*	
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	167.00	14.71
		For >25 To 50, Deduct	*-7.30*	
		For >50 To 100, Deduct	*-14.91*	
		For >100, Deduct	*-22.53*	
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	178.04	14.71
		For >25 To 50, Deduct	*-7.85*	
		For >50 To 100, Deduct	*-16.02*	
		For >100, Deduct	*-24.18*	
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	184.06	14.71
		For >25 To 50, Deduct	*-8.15*	
		For >50 To 100, Deduct	*-16.62*	
		For >100, Deduct	*-25.09*	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	192.63	14.71
		For >25 To 50, Deduct	*-8.58*	
		For >50 To 100, Deduct	*-17.48*	
		For >100, Deduct	*-26.37*	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	196.67	14.71
		For >25 To 50, Deduct	*-8.78*	
		For >50 To 100, Deduct	*-17.88*	
		For >100, Deduct	*-26.98*	
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	208.30	14.71
		For >25 To 50, Deduct	*-9.36*	
		For >50 To 100, Deduct	*-19.04*	
		For >100, Deduct	*-28.72*	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	217.31	14.71
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-19.95*	
		For >100, Deduct	*-30.08*	

10 51 13 00-0072 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	198.09	14.71
		For >25 To 50, Deduct	*-8.85*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-27.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	202.61	14.71
		For >25 To 50, Deduct	*-9.08*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-27.87*	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	207.10	14.71
		For >25 To 50, Deduct	*-9.30*	
		For >50 To 100, Deduct	*-18.92*	
		For >100, Deduct	*-28.54*	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	217.74	14.71
		For >25 To 50, Deduct	*-9.84*	
		For >50 To 100, Deduct	*-19.99*	
		For >100, Deduct	*-30.14*	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	219.70	14.71
		For >25 To 50, Deduct	*-9.93*	
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-30.43*	

10 51 13 00-0078 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	187.37	14.71
		For >25 To 50, Deduct	*-8.32*	
		For >50 To 100, Deduct	*-16.95*	
		For >100, Deduct	*-25.58*	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	191.64	14.71
		For >25 To 50, Deduct	*-8.53*	
		For >50 To 100, Deduct	*-17.38*	
		For >100, Deduct	*-26.22*	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	195.88	14.71
		For >25 To 50, Deduct	*-8.74*	
		For >50 To 100, Deduct	*-17.80*	
		For >100, Deduct	*-26.86*	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	205.88	14.71
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-18.80*	
		For >100, Deduct	*-28.36*	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	207.70	14.71
		For >25 To 50, Deduct	*-9.33*	
		For >50 To 100, Deduct	*-18.98*	
		For >100, Deduct	*-28.63*	

10 51 13 00-0084 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	194.01	14.71
		For >25 To 50, Deduct	*-8.65*	
		For >50 To 100, Deduct	*-17.62*	
		For >100, Deduct	*-26.58*	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	200.24	14.71
		For >25 To 50, Deduct	*-8.96*	
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-27.51*	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	204.83	14.71
		For >25 To 50, Deduct	*-9.19*	
		For >50 To 100, Deduct	*-18.70*	
		For >100, Deduct	*-28.20*	

10 51 13 00-0088 All Welded Locker Accessories *(10 51 13 00-0044)*

10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	73.39	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	119.34	3.06
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	138.21	3.06
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	84.39	3.06
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	34.82	3.06
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	23.58	3.06

10 51 13 00-0095 Athletic Lockers *(10 51 13)*

Note: Price per frame. Powder coated enamel paint. 16 gauge tops, bottoms, and sides. 18 gauge backs. 14 gauge vented doors. Excludes slope top, base fillers, and locks.

10 51 13 00-0096 Single Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0097	EA	12" x 15" x 72" Single Tier Athletic Locker	330.73	24.44
		For >25 To 50, Deduct	*-14.09*	
		For >50 To 100, Deduct	*-28.92*	
		For >100, Deduct	*-43.74*	
10 51 13 00-0098	EA	12" x 18" x 72" Single Tier Athletic Locker	351.21	24.44
		For >25 To 50, Deduct	*-15.12*	
		For >50 To 100, Deduct	*-30.97*	
		For >100, Deduct	*-46.81*	
10 51 13 00-0099	EA	15" x 15" x 72" Single Tier Athletic Locker	358.41	24.44
		For >25 To 50, Deduct	*-15.48*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-47.89*	
10 51 13 00-0100	EA	15" x 18" x 72" Single Tier Athletic Locker	371.55	24.44
		For >25 To 50, Deduct	*-16.13*	
		For >50 To 100, Deduct	*-33.00*	
		For >100, Deduct	*-49.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0101	EA	18" x 18" x 72" Single Tier Athletic Locker	403.97	24.44
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-36.24*	
		For >100, Deduct	*-54.73*	
10 51 13 00-0102	EA	18" x 21" x 72" Single Tier Athletic Locker	437.94	24.44
		For >25 To 50, Deduct	*-19.45*	
		For >50 To 100, Deduct	*-39.64*	
		For >100, Deduct	*-59.82*	

10 51 13 00-0103 Two Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0104	EA	12" x 12" x 72" Two Tier Athletic Locker	370.71	25.20
		For >25 To 50, Deduct	*-16.01*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-49.56*	
10 51 13 00-0105	EA	12" x 15" x 72" Two Tier Athletic Locker	383.10	25.20
		For >25 To 50, Deduct	*-16.63*	
		For >50 To 100, Deduct	*-34.02*	
		For >100, Deduct	*-51.41*	
10 51 13 00-0106	EA	12" x 18" x 72" Two Tier Athletic Locker	400.00	25.20
		For >25 To 50, Deduct	*-17.48*	
		For >50 To 100, Deduct	*-35.71*	
		For >100, Deduct	*-53.95*	
10 51 13 00-0107	EA	15" x 15" x 72" Two Tier Athletic Locker	402.56	25.20
		For >25 To 50, Deduct	*-17.61*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-54.33*	
10 51 13 00-0108	EA	15" x 18" x 72" Two Tier Athletic Locker	416.45	25.20
		For >25 To 50, Deduct	*-18.30*	
		For >50 To 100, Deduct	*-37.36*	
		For >100, Deduct	*-56.42*	
10 51 13 00-0109	EA	18" x 18" x 72" Two Tier Athletic Locker	433.51	25.20
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-39.07*	
		For >100, Deduct	*-58.98*	
10 51 13 00-0110	EA	18" x 21" x 72" Two Tier Athletic Locker	471.79	25.20
		For >25 To 50, Deduct	*-21.07*	
		For >50 To 100, Deduct	*-42.89*	
		For >100, Deduct	*-64.72*	

10 51 13 00-0111 Three Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one double hook per tier.

10 51 13 00-0112	EA	12" x 12" x 72" Three Tier Athletic Locker	410.62	25.97
		For >25 To 50, Deduct	*-17.93*	
		For >50 To 100, Deduct	*-36.65*	
		For >100, Deduct	*-55.36*	
10 51 13 00-0113	EA	12" x 15" x 72" Three Tier Athletic Locker	428.33	25.97
		For >25 To 50, Deduct	*-18.82*	
		For >50 To 100, Deduct	*-38.42*	
		For >100, Deduct	*-58.02*	
10 51 13 00-0114	EA	12" x 18" x 72" Three Tier Athletic Locker	452.77	25.97
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-40.86*	
		For >100, Deduct	*-61.68*	
10 51 13 00-0115	EA	15" x 15" x 72" Three Tier Athletic Locker	465.28	25.97
		For >25 To 50, Deduct	*-20.67*	
		For >50 To 100, Deduct	*-42.11*	
		For >100, Deduct	*-63.56*	
10 51 13 00-0116	EA	15" x 18" x 72" Three Tier Athletic Locker	484.05	25.97
		For >25 To 50, Deduct	*-21.61*	
		For >50 To 100, Deduct	*-43.99*	
		For >100, Deduct	*-66.37*	

10 51 13 00-0117 Four Tier Athletic Locker *(10 51 13 00-0095)*

10 51 13 00-0118	EA	12" x 12" x 72" Four Tier Athletic Locker	380.79	26.74
		For >25 To 50, Deduct	*-16.37*	
		For >50 To 100, Deduct	*-33.53*	
		For >100, Deduct	*-50.70*	
10 51 13 00-0119	EA	12" x 15" x 72" Four Tier Athletic Locker	405.16	26.74
		For >25 To 50, Deduct	*-17.58*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-54.36*	
10 51 13 00-0120	EA	12" x 18" x 72" Four Tier Athletic Locker	429.52	26.74
		For >25 To 50, Deduct	*-18.80*	
		For >50 To 100, Deduct	*-38.41*	
		For >100, Deduct	*-58.01*	
10 51 13 00-0121	EA	15" x 15" x 72" Four Tier Athletic Locker	442.00	26.74
		For >25 To 50, Deduct	*-19.43*	
		For >50 To 100, Deduct	*-39.66*	
		For >100, Deduct	*-59.88*	
10 51 13 00-0122	EA	15" x 18" x 72" Four Tier Athletic Locker	451.36	26.74
		For >25 To 50, Deduct	*-19.89*	
		For >50 To 100, Deduct	*-40.59*	
		For >100, Deduct	*-61.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0123		Six Tier Athletic Locker *(10 51 13 00-0095)*		
10 51 13 00-0124	EA	12" x 12" x 72" Six Tier Athletic Locker	423.30	27.50
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-37.66*	
		For >100, Deduct	*-56.90*	
10 51 13 00-0125	EA	12" x 15" x 72" Six Tier Athletic Locker	442.02	27.50
		For >25 To 50, Deduct	*-19.35*	
		For >50 To 100, Deduct	*-39.53*	
		For >100, Deduct	*-59.70*	
10 51 13 00-0126	EA	12" x 18" x 72" Six Tier Athletic Locker	460.70	27.50
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-41.40*	
		For >100, Deduct	*-62.51*	
10 51 13 00-0127	EA	12" x 21" x 72" Six Tier Athletic Locker	528.90	27.50
		For >25 To 50, Deduct	*-23.70*	
		For >50 To 100, Deduct	*-48.22*	
		For >100, Deduct	*-72.74*	
10 51 13 00-0128		Accessories *(10 51 13)*		
10 51 13 00-0129		Locker Slope Tops *(10 51 13 00-0128)*		
10 51 13 00-0130		16 Gauge Continuous Sloping Hood *(10 51 13 00-0129)*		
10 51 13 00-0131	LF	12" Deep, 16 Gauge Continuous Slope Top	26.07	3.06
10 51 13 00-0132	LF	15" Deep, 16 Gauge Continuous Slope Top	21.81	3.06
10 51 13 00-0133	LF	18" Deep, 16 Gauge Continuous Slope Top	30.43	3.06
10 51 13 00-0134	LF	21" Deep, 16 Gauge Continuous Slope Top	33.75	3.06
10 51 13 00-0135	LF	24" Deep, 16 Gauge Continuous Slope Top	35.30	3.06
10 51 13 00-0136		16 Gauge Slope Top Corner Fillers *(10 51 13 00-0129)*		
10 51 13 00-0137	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	111.65	3.06
10 51 13 00-0138	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	114.07	3.06
10 51 13 00-0139	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	116.47	3.06
10 51 13 00-0140	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	119.39	3.06
10 51 13 00-0141	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	122.28	3.06
10 51 13 00-0142		20 Gauge Individual Slope Top *(10 51 13 00-0129)*		
10 51 13 00-0143	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	22.23	3.06
10 51 13 00-0144	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	22.07	3.06
10 51 13 00-0145	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	24.69	3.06
10 51 13 00-0146	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	24.69	3.06
10 51 13 00-0147	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	25.32	3.06
10 51 13 00-0148	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	27.80	3.06
10 51 13 00-0149	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	27.80	3.06
10 51 13 00-0150	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	31.06	3.06
10 51 13 00-0151	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	34.95	3.06
10 51 13 00-0152		Continuous Slope Top End Closures *(10 51 13 00-0129)*		
10 51 13 00-0153	PR	12" Deep, Continuous Slope Top End Closures	23.77	3.06
10 51 13 00-0154	PR	15" Deep, Continuous Slope Top End Closures	20.03	3.06
10 51 13 00-0155	PR	18" Deep, Continuous Slope Top End Closures	26.86	3.06
10 51 13 00-0156	PR	21" Deep, Continuous Slope Top End Closures	28.42	3.06
10 51 13 00-0157	PR	24" Deep, Continuous Slope Top End Closures	29.48	3.06
10 51 13 00-0158		Individual Slope Top End Closures *(10 51 13 00-0129)*		
10 51 13 00-0159	EA	12" Deep, Individual Slope Top End Closures	14.94	3.06
10 51 13 00-0160	EA	15" Deep, Individual Slope Top End Closures	15.43	3.06
10 51 13 00-0161	EA	18" Deep, Individual Slope Top End Closures	16.50	3.06
10 51 13 00-0162	EA	21" Deep, Individual Slope Top End Closures	17.25	3.06
10 51 13 00-0163	EA	24" Deep, Individual Slope Top End Closures	24.90	3.06
10 51 13 00-0164		Locker Base *(10 51 13 00-0128)*		
10 51 13 00-0165		Closed Front Base *(10 51 13 00-0164)*		
10 51 13 00-0166	EA	12" Wide, 6" High Closed Front Base	15.77	3.06
10 51 13 00-0167	EA	15" Wide, 6" High Closed Front Base	16.58	3.06
10 51 13 00-0168	EA	18" Wide, 6" High Closed Front Base	18.27	3.06
10 51 13 00-0169	EA	24" Wide, 6" High Closed Front Base	19.08	3.06
10 51 13 00-0170		Closed End Base *(10 51 13 00-0164)*		
10 51 13 00-0171	EA	12" Deep, 6" High Closed End Base	18.02	3.06
10 51 13 00-0172	EA	15" Deep, 6" High Closed End Base	18.16	3.06
10 51 13 00-0173	EA	18" Deep, 6" High Closed End Base	19.25	3.06
10 51 13 00-0174	EA	21" Deep, 6" High Closed End Base	20.32	3.06
10 51 13 00-0175	EA	24" Deep, 6" High Closed End Base	21.79	3.06
10 51 13 00-0176		Recessed Continuous Front "Z" Base *(10 51 13 00-0164)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0177	LF	4" High Recessed Continuous Front "Z" Base	19.28	2.30
10 51 13 00-0178		**"Z" Base Ends Or Splice** *(10 51 13 00-0164)*		
10 51 13 00-0179	EA	12" Wide, 4" High Z-Base Ends Or Splice	18.89	3.06
10 51 13 00-0180	EA	15" Wide, 4" High Z-Base Ends Or Splice	22.07	3.06
10 51 13 00-0181	EA	18" Wide, 4" High Z-Base Ends Or Splice	25.32	3.06
10 51 13 00-0182	EA	21" Wide, 4" High Z-Base Ends Or Splice	28.74	3.06
10 51 13 00-0183	EA	24" Wide, 4" High Z-Base Ends Or Splice	32.14	3.06
10 51 13 00-0184		**Locker Front Fillers And End Panels** *(10 51 13 00-0128)*		
10 51 13 00-0185		**Locker Front Fillers** *(10 51 13 00-0184)*		
10 51 13 00-0186	EA	6" Wide x 60" High, 16 Gauge Front Filler	31.36	3.81
10 51 13 00-0187	EA	12" Wide x 60" High, 16 Gauge Front Filler	49.27	3.81
10 51 13 00-0188	EA	6" Wide x 66" High, 16 Gauge Front Filler	34.28	3.81
10 51 13 00-0189	EA	12" Wide x 66" High, 16 Gauge Front Filler	38.71	3.81
10 51 13 00-0190	EA	6" Wide x 72" High, 16 Gauge Front Filler	37.66	3.81
10 51 13 00-0191	EA	12" Wide x 72" High, 16 Gauge Front Filler	54.11	3.81
10 51 13 00-0192	EA	6" Wide x 78" High, 16 Gauge Front Filler	38.60	3.81
10 51 13 00-0193	EA	12" Wide x 78" High, 16 Gauge Front Filler	45.24	3.81
10 51 13 00-0194		**Locker End Panels** *(10 51 13 00-0184)*		
10 51 13 00-0195	EA	12" Deep x 60" High, 16 Gauge End Panel	49.80	3.06
10 51 13 00-0196	EA	15" Deep x 60" High, 16 Gauge End Panel	56.67	3.06
10 51 13 00-0197	EA	18" Deep x 60" High, 16 Gauge End Panel	67.46	3.06
10 51 13 00-0198	EA	12" Deep x 72" High, 16 Gauge End Panel	58.93	3.06
10 51 13 00-0199	EA	15" Deep x 72" High, 16 Gauge End Panel	67.28	3.06
10 51 13 00-0200	EA	18" Deep x 72" High, 16 Gauge End Panel	78.39	3.06
10 51 13 00-0201	EA	21" Deep x 72" High, 16 Gauge End Panel	90.45	3.06
10 51 13 00-0202		**Locker Recessed Trim** *(10 51 13 00-0128)*		
10 51 13 00-0203	LF	3" Height, Top Trim For Recessed Lockers	8.25	1.53
10 51 13 00-0204	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	23.27	3.06
10 51 13 00-0205	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	36.15	3.06
10 51 13 00-0206	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	37.50	3.06
10 51 13 00-0207	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	38.86	3.06
10 51 13 00-0208	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	40.05	3.06
10 51 13 00-0209		**Locker Interior Accessories** *(10 51 13 00-0128)*		
10 51 13 00-0210		**Locker Coat Rods** *(10 51 13 00-0209)*		
10 51 13 00-0211	EA	12" Wide Coat Rod	11.95	3.06
10 51 13 00-0212	EA	15" Wide Coat Rod	13.22	3.06
10 51 13 00-0213	EA	18" Wide Coat Rod	14.34	3.06
10 51 13 00-0214	EA	24" Wide Coat Rod	15.33	3.06
10 51 13 00-0215		**Locker ADA Compliant Shelf** *(10 51 13 00-0209)*		
10 51 13 00-0216	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	29.77	3.81
10 51 13 00-0217		**Other Interior Locker Accessories** *(10 51 13 00-0209)*		
10 51 13 00-0218	EA	3" x 10" Bent Plate Shoe Rack	40.15	3.06
10 51 13 00-0219	EA	8" x 10" Mirror	31.64	3.06
10 51 13 00-0220	EA	Additional Hook	8.24	3.06
10 51 13 00-0221		**Locker Locks** *(10 51 13 00-0128)*		
10 51 13 00-0222	EA	Built In Combination Lock	34.82	3.06
10 51 26		**Plastic Lockers** *(10 51)*		
10 51 26 00-0001		**Solid Plastic Lockers** *(10 51 26)* Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002		**Single Tier Solid Plastic Lockers** *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	415.59	23.68
		For >50 To 100, Deduct	*-36.82*	
		For >100, Deduct	*-56.66*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	422.97	23.68
		For >50 To 100, Deduct	*-37.56*	
		For >100, Deduct	*-57.76*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	430.36	23.68
		For >50 To 100, Deduct	*-38.30*	
		For >100, Deduct	*-58.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	441.44	23.68
		For >50 To 100, Deduct	*-39.41*	
		For >100, Deduct	*-60.53*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	429.72	23.68
		For >50 To 100, Deduct	*-38.24*	
		For >100, Deduct	*-58.77*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	432.83	23.68
		For >50 To 100, Deduct	*-38.55*	
		For >100, Deduct	*-59.24*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	427.37	23.68
		For >50 To 100, Deduct	*-38.00*	
		For >100, Deduct	*-58.42*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	457.87	23.68
		For >50 To 100, Deduct	*-41.05*	
		For >100, Deduct	*-63.00*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	450.83	23.68
		For >50 To 100, Deduct	*-40.35*	
		For >100, Deduct	*-61.94*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	459.04	23.68
		For >50 To 100, Deduct	*-41.17*	
		For >100, Deduct	*-63.17*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	467.25	23.68
		For >50 To 100, Deduct	*-41.99*	
		For >100, Deduct	*-64.40*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	486.02	23.68
		For >50 To 100, Deduct	*-43.87*	
		For >100, Deduct	*-67.22*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	511.82	23.68
		For >50 To 100, Deduct	*-46.45*	
		For >100, Deduct	*-71.09*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	488.36	23.68
		For >50 To 100, Deduct	*-44.10*	
		For >100, Deduct	*-67.57*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	530.58	23.68
		For >50 To 100, Deduct	*-48.32*	
		For >100, Deduct	*-73.90*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	454.10	23.68
		For >50 To 100, Deduct	*-40.67*	
		For >100, Deduct	*-62.43*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	478.16	23.68
		For >50 To 100, Deduct	*-43.08*	
		For >100, Deduct	*-66.04*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	502.24	23.68
		For >50 To 100, Deduct	*-45.49*	
		For >100, Deduct	*-69.65*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	484.61	23.68
		For >50 To 100, Deduct	*-43.73*	
		For >100, Deduct	*-67.01*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	510.11	23.68
		For >50 To 100, Deduct	*-46.28*	
		For >100, Deduct	*-70.83*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	535.63	23.68
		For >50 To 100, Deduct	*-48.83*	
		For >100, Deduct	*-74.66*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	515.11	23.68
		For >50 To 100, Deduct	*-46.78*	
		For >100, Deduct	*-71.58*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	542.07	23.68
		For >50 To 100, Deduct	*-49.47*	
		For >100, Deduct	*-75.63*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	519.54	24.44
		For >50 To 100, Deduct	*-47.07*	
		For >100, Deduct	*-72.06*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	546.52	24.44
		For >50 To 100, Deduct	*-49.76*	
		For >100, Deduct	*-76.11*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	573.46	24.44
		For >50 To 100, Deduct	*-52.46*	
		For >100, Deduct	*-80.15*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	554.55	24.44
		For >50 To 100, Deduct	*-50.57*	
		For >100, Deduct	*-77.32*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	583.00	24.44
		For >50 To 100, Deduct	*-53.41*	
		For >100, Deduct	*-81.58*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	611.42	24.44
		For >50 To 100, Deduct	*-56.25*	
		For >100, Deduct	*-85.85*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	582.46	24.44
		For >50 To 100, Deduct	*-53.36*	
		For >100, Deduct	*-81.50*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	619.45	24.44
		For >50 To 100, Deduct	*-57.06*	
		For >100, Deduct	*-87.05*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	649.33	24.44
		For >50 To 100, Deduct	*-60.04*	
		For >100, Deduct	*-91.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0035		**Double Tier Solid Plastic Lockers** *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	466.44	24.44
		For >50 To 100, Deduct	*-41.76*	
		For >100, Deduct	*-64.10*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	473.47	24.44
		For >50 To 100, Deduct	*-42.46*	
		For >100, Deduct	*-65.15*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	484.02	24.44
		For >50 To 100, Deduct	*-43.51*	
		For >100, Deduct	*-66.74*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	480.51	24.44
		For >50 To 100, Deduct	*-43.16*	
		For >100, Deduct	*-66.21*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	499.28	24.44
		For >50 To 100, Deduct	*-45.04*	
		For >100, Deduct	*-69.03*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	543.84	24.44
		For >50 To 100, Deduct	*-49.50*	
		For >100, Deduct	*-75.71*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	485.21	24.44
		For >50 To 100, Deduct	*-43.63*	
		For >100, Deduct	*-66.91*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	507.91	24.44
		For >50 To 100, Deduct	*-45.90*	
		For >100, Deduct	*-70.32*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	548.54	24.44
		For >50 To 100, Deduct	*-49.97*	
		For >100, Deduct	*-76.41*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	482.58	24.44
		For >50 To 100, Deduct	*-43.37*	
		For >100, Deduct	*-66.52*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	519.32	24.44
		For >50 To 100, Deduct	*-47.04*	
		For >100, Deduct	*-72.03*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	529.82	24.44
		For >50 To 100, Deduct	*-48.09*	
		For >100, Deduct	*-73.61*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	525.46	24.44
		For >50 To 100, Deduct	*-47.66*	
		For >100, Deduct	*-72.95*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	549.81	24.44
		For >50 To 100, Deduct	*-50.09*	
		For >100, Deduct	*-76.60*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	554.57	24.44
		For >50 To 100, Deduct	*-50.57*	
		For >100, Deduct	*-77.32*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	580.31	24.44
		For >50 To 100, Deduct	*-53.14*	
		For >100, Deduct	*-81.18*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	606.05	24.44
		For >50 To 100, Deduct	*-55.72*	
		For >100, Deduct	*-85.04*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	558.86	25.20
		For >50 To 100, Deduct	*-50.85*	
		For >100, Deduct	*-77.78*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	584.60	25.20
		For >50 To 100, Deduct	*-53.42*	
		For >100, Deduct	*-81.64*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	598.02	25.20
		For >50 To 100, Deduct	*-54.76*	
		For >100, Deduct	*-83.65*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	592.28	25.20
		For >50 To 100, Deduct	*-54.19*	
		For >100, Deduct	*-82.79*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	619.43	25.20
		For >50 To 100, Deduct	*-56.90*	
		For >100, Deduct	*-86.87*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	646.57	25.20
		For >50 To 100, Deduct	*-59.62*	
		For >100, Deduct	*-90.94*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	597.14	25.20
		For >50 To 100, Deduct	*-54.67*	
		For >100, Deduct	*-83.52*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	654.23	25.20
		For >50 To 100, Deduct	*-60.38*	
		For >100, Deduct	*-92.09*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	682.75	25.20
		For >50 To 100, Deduct	*-63.23*	
		For >100, Deduct	*-96.36*	
10 51 26 00-0062		**Triple Tier Solid Plastic Lockers** *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	459.16	25.20
		For >50 To 100, Deduct	*-40.88*	
		For >100, Deduct	*-62.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	478.47	25.20
		For >50 To 100, Deduct	*-42.81*	
		For >100, Deduct	*-65.72*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	496.18	25.20
		For >50 To 100, Deduct	*-44.58*	
		For >100, Deduct	*-68.38*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	499.62	25.20
		For >50 To 100, Deduct	*-44.92*	
		For >100, Deduct	*-68.89*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	540.89	25.20
		For >50 To 100, Deduct	*-49.05*	
		For >100, Deduct	*-75.08*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	541.08	25.20
		For >50 To 100, Deduct	*-49.07*	
		For >100, Deduct	*-75.11*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	563.60	25.20
		For >50 To 100, Deduct	*-51.32*	
		For >100, Deduct	*-78.49*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	586.22	25.20
		For >50 To 100, Deduct	*-53.58*	
		For >100, Deduct	*-81.88*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	608.82	25.20
		For >50 To 100, Deduct	*-55.84*	
		For >100, Deduct	*-85.27*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	590.65	25.20
		For >50 To 100, Deduct	*-54.02*	
		For >100, Deduct	*-82.55*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	614.55	25.20
		For >50 To 100, Deduct	*-56.41*	
		For >100, Deduct	*-86.13*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	638.44	25.20
		For >50 To 100, Deduct	*-58.80*	
		For >100, Deduct	*-89.72*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	594.74	25.97
		For >50 To 100, Deduct	*-54.28*	
		For >100, Deduct	*-82.98*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	618.66	25.97
		For >50 To 100, Deduct	*-56.67*	
		For >100, Deduct	*-86.57*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	635.44	25.97
		For >50 To 100, Deduct	*-58.35*	
		For >100, Deduct	*-89.08*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	625.77	25.97
		For >50 To 100, Deduct	*-57.38*	
		For >100, Deduct	*-87.63*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	633.35	25.97
		For >50 To 100, Deduct	*-58.14*	
		For >100, Deduct	*-88.77*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	660.67	25.97
		For >50 To 100, Deduct	*-60.87*	
		For >100, Deduct	*-92.87*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	614.92	25.97
		For >50 To 100, Deduct	*-56.30*	
		For >100, Deduct	*-86.01*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	670.46	25.97
		For >50 To 100, Deduct	*-61.85*	
		For >100, Deduct	*-94.34*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	709.78	25.97
		For >50 To 100, Deduct	*-65.78*	
		For >100, Deduct	*-100.23*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	533.99	25.97
		For >50 To 100, Deduct	*-48.21*	
		For >100, Deduct	*-73.87*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	549.67	25.97
		For >50 To 100, Deduct	*-49.77*	
		For >100, Deduct	*-76.22*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	578.57	25.97
		For >50 To 100, Deduct	*-52.66*	
		For >100, Deduct	*-80.55*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	575.04	25.97
		For >50 To 100, Deduct	*-52.31*	
		For >100, Deduct	*-80.02*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	612.48	25.97
		For >50 To 100, Deduct	*-56.05*	
		For >100, Deduct	*-85.64*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	624.30	25.97
		For >50 To 100, Deduct	*-57.24*	
		For >100, Deduct	*-87.41*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	618.43	25.97
		For >50 To 100, Deduct	*-56.65*	
		For >100, Deduct	*-86.53*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	638.37	25.97
		For >50 To 100, Deduct	*-58.64*	
		For >100, Deduct	*-89.52*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	695.85	25.97
		For >50 To 100, Deduct	*-64.39*	
		For >100, Deduct	*-98.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	615.22	26.74
		For >50 To 100, Deduct	*-56.18*	
		For >100, Deduct	*-85.87*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	643.01	26.74
		For >50 To 100, Deduct	*-58.95*	
		For >100, Deduct	*-90.04*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	646.63	26.74
		For >50 To 100, Deduct	*-59.32*	
		For >100, Deduct	*-90.58*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	681.66	26.74
		For >50 To 100, Deduct	*-62.82*	
		For >100, Deduct	*-95.83*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	649.25	26.74
		For >50 To 100, Deduct	*-59.58*	
		For >100, Deduct	*-90.97*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	678.61	26.74
		For >50 To 100, Deduct	*-62.51*	
		For >100, Deduct	*-95.38*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	648.13	26.74
		For >50 To 100, Deduct	*-59.47*	
		For >100, Deduct	*-90.80*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	683.31	26.74
		For >50 To 100, Deduct	*-62.98*	
		For >100, Deduct	*-96.08*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	736.03	26.74
		For >50 To 100, Deduct	*-68.26*	
		For >100, Deduct	*-103.99*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	581.02	26.35
		For >50 To 100, Deduct	*-52.83*	
		For >100, Deduct	*-80.83*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	600.43	26.35
		For >50 To 100, Deduct	*-54.77*	
		For >100, Deduct	*-83.74*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	619.84	26.35
		For >50 To 100, Deduct	*-56.71*	
		For >100, Deduct	*-86.65*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	607.48	26.35
		For >50 To 100, Deduct	*-55.48*	
		For >100, Deduct	*-84.80*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	642.25	26.35
		For >50 To 100, Deduct	*-58.95*	
		For >100, Deduct	*-90.01*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	659.08	26.35
		For >50 To 100, Deduct	*-60.64*	
		For >100, Deduct	*-92.54*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	653.22	26.35
		For >50 To 100, Deduct	*-60.05*	
		For >100, Deduct	*-91.66*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	671.99	26.35
		For >50 To 100, Deduct	*-61.93*	
		For >100, Deduct	*-94.47*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	732.98	26.35
		For >50 To 100, Deduct	*-68.03*	
		For >100, Deduct	*-103.62*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	634.10	27.12
		For >50 To 100, Deduct	*-57.99*	
		For >100, Deduct	*-88.61*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	655.87	27.12
		For >50 To 100, Deduct	*-60.16*	
		For >100, Deduct	*-91.87*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	677.62	27.12
		For >50 To 100, Deduct	*-62.34*	
		For >100, Deduct	*-95.13*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	670.01	27.12
		For >50 To 100, Deduct	*-61.58*	
		For >100, Deduct	*-93.99*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	685.31	27.12
		For >50 To 100, Deduct	*-63.11*	
		For >100, Deduct	*-96.29*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	708.24	27.12
		For >50 To 100, Deduct	*-65.40*	
		For >100, Deduct	*-99.73*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	690.62	27.12
		For >50 To 100, Deduct	*-63.64*	
		For >100, Deduct	*-97.08*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	716.91	27.12
		For >50 To 100, Deduct	*-66.27*	
		For >100, Deduct	*-101.03*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	747.41	27.12
		For >50 To 100, Deduct	*-69.32*	
		For >100, Deduct	*-105.60*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0123		EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	670.49	26.74
			For >50 To 100, Deduct	*-61.70*	
			For >100, Deduct	*-94.16*	
10 51 26 00-0124		EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	657.83	27.50
			For >50 To 100, Deduct	*-60.28*	
			For >100, Deduct	*-92.07*	
10 51 26 00-0125		EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	679.57	27.50
			For >50 To 100, Deduct	*-62.46*	
			For >100, Deduct	*-95.34*	
10 51 26 00-0126		EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	694.07	27.50
			For >50 To 100, Deduct	*-63.91*	
			For >100, Deduct	*-97.51*	
10 51 26 00-0127		EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	723.05	27.50
			For >50 To 100, Deduct	*-66.81*	
			For >100, Deduct	*-101.86*	
10 51 26 00-0128		EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	731.52	27.50
			For >50 To 100, Deduct	*-67.65*	
			For >100, Deduct	*-103.13*	
10 51 26 00-0129		EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	737.56	27.50
			For >50 To 100, Deduct	*-68.26*	
			For >100, Deduct	*-104.03*	
10 51 26 00-0130		EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	739.96	27.50
			For >50 To 100, Deduct	*-68.50*	
			For >100, Deduct	*-104.39*	
10 51 26 00-0131		EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	766.54	27.50
			For >50 To 100, Deduct	*-71.15*	
			For >100, Deduct	*-108.38*	
10 51 26 00-0132		EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	801.58	27.50
			For >50 To 100, Deduct	*-74.66*	
			For >100, Deduct	*-113.64*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	31.21	

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	34.34	

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	79.83	

10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	31.37	

10 51 26 00-0142 Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	81.83	

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	7.84	
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	23.53	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	31.37	

10 51 53 Locker Room Benches *(10 51)*

10 51 53 00-0001	LF	Hardwood Bench With Aluminum Pedestals	90.56	3.81
10 51 53 00-0002	LF	Hardwood Bench With Painted Steel Pedestals	71.77	3.81
10 51 53 00-0003	LF	Plastic Laminated Bench With Steel Pedestals	110.98	3.81
10 51 53 00-0004	LF	Solid Plastic Bench With Steel Pedestals	105.94	3.81
10 51 53 00-0005	LF	Aluminum Bench With Aluminum Pedestals	81.74	3.81

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 19 Flood Barriers *(10 71)*

10 71 19 16 Removable Flood Barriers *(10 71 19)*

10 71 19 16-0001 Removable Flood Barriers *(10 71 19 16)*
Note: Excludes saw cutting, excavation and concrete foundation. See CSI section 02 41 19 13-0001 for saw cutting, 03 10 00 00-0000 for concrete forms and accessories, 03 31 13 00-0010 for concrete foundations, 31 23 16 36-0000 for excavation.

10 71 19 16-0002 Flood Planks *(10 71 19 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 19 16-0003	SF	Aluminum Flood Planks Note: Excludes stamped drawings, any associated masonry work, removal, relocation and storage of flood planks.	291.33	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	2,409.43	622.08
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	2,579.36	678.63
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	3,227.86	791.74
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	3,741.34	904.85
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	6,743.03	1,017.95
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	8,002.33	1,131.06
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	13,569.39	1,244.17
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	17,503.35	1,357.27
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy duty.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,215.99	565.52
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Internal Halyard, Winch System, Add	*570.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,634.09	622.08
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,922.91	678.63
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,707.40	791.74
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,578.08	904.85
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,065.12	961.40
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	6,353.69	1,017.95
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	10,852.76	1,131.06
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	11,878.56	1,244.17
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	14,843.52	1,357.27
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,066.03
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,103.31
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	1,267.93
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	1,341.75
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	1,608.28
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	1,947.41
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	2,307.78
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	2,688.64
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	3,141.17

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	514.97
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	739.16
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	825.22
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	929.40

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	89.08	32.48
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	97.22	34.39
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	108.80	36.30
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	141.92	38.21
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	187.11	40.12
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	209.04	42.03
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	190.94	42.03
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	222.22	47.76

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	0.82	0.06
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.41	0.06
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.32	0.06
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.10	0.06
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	266.22	95.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	221.50	57.29
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	18.59	3.81
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.61	0.08

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,483.41	496.08
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,608.49	545.69
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,742.17	595.30
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	2,018.17	694.51
		For Rope Lock Box, Add	*96.00*	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	1,961.63	446.47
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,112.56	496.08
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,345.47	595.30
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.16	0.61
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	7.44	0.61
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.95	0.61

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.69	0.61
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.90	0.61
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	8.23	0.61

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	6.52	0.61

10 81 13 00-0011 Coil Bird Barrier *(10 81 13)*

Note: Stainless steel coil.

10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	4.61	0.61
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	5.44	0.61

10 81 13 00-0014 Spider Bird Barrier *(10 81 13)*

Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	81.27	0.61
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	119.56	0.61
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	150.47	0.61

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting *(10 81 13)*

Note: Includes stainless steel rings and plastic ties.

10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.67	0.28
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.66	0.28
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.64	0.28
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.63	0.28
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.63	0.28
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.62	0.28
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.61	0.28
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.61	0.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.60	0.28
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.64	0.28
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.62	0.28
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	2.24	

10 81 13 00-0031 Netting Accessories *(10 81 13)*

10 81 13 00-0032	EA	2' Zipper For Flexible Netting	5.23	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	7.88	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	9.27	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	13.18	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001 Dome Mirrors *(10 86)*

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002 Steel Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	182.92	15.29
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	214.93	16.05
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	248.46	17.57
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	331.01	19.10
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	131.04	11.46
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	151.11	12.23
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	176.46	13.37
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	245.00	14.52

10 86 00 00-0011 Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	143.13	17.57
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	201.17	19.10
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	265.58	22.16
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	321.12	26.75
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	468.59	38.21
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	88.09	13.37
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	118.21	14.52
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	155.38	16.82
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	191.54	20.25
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	303.74	28.66
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	57.38	11.46
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	73.31	12.61
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	95.98	14.14
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	119.47	16.82
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	197.47	23.88

10 86 00 00-0027 Coated Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	170.29	17.57
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	262.12	19.10
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	443.01	26.75
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	681.90	38.21
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	110.88	13.37
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	164.18	14.52
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	259.11	20.25
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	428.28	28.66
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	80.83	11.46
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	112.80	12.61
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	145.80	14.14
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	187.31	16.82
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	292.87	23.88

10 86 00 00-0041 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

10 86 00 00-0042 Plexiglas Circular Convex Mirrors *(10 86 00 00-0041)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	61.55	12.23
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	79.61	13.37
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	119.66	14.52
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	149.28	16.82
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	198.16	20.25
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	348.79	28.66
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	102.00	13.37
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	146.16	14.52
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	208.76	20.25
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	380.59	28.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0053		**Coated Plexiglas Circular Convex Mirrors** *(10 86 00 00-0041)* Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	122.67	13.37
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	192.00	14.52
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	257.53	16.82
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	321.38	20.25
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	466.70	28.66
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	146.92	13.37
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	226.45	14.52
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	314.50	16.82
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	355.83	20.25
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	563.42	28.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 10 Vehicle And Pedestrian Equipment *(11)*

11 13 Loading Dock Equipment *(11 10)*

11 13 13 Loading Dock Bumpers *(11 13)*

11 13 13 00-0001 Laminated Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	102.50	15.28
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	129.16	15.28
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	166.78	15.28
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	113.86	15.28
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	123.28	15.28
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	140.13	15.28
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	166.78	15.28
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	226.97	15.28
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	128.91	15.28
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	140.13	15.28
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	172.14	15.28
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	194.84	15.28
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	268.54	15.28
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	158.87	15.28
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	185.27	15.28
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	241.51	15.28

11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	146.20	15.28
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	155.51	15.28
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	177.95	15.28
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	212.13	15.28
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	287.75	15.28
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	166.86	15.28
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	174.51	15.28
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	204.86	15.28
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	250.13	15.28
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	376.89	15.28
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	212.26	15.28
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	242.61	15.28
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	246.65	15.28

11 13 13 00-0033 Extruded Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	53.03	15.28
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	56.77	15.28
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	61.77	15.28
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	66.77	15.28

11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*

11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	72.63	15.28
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	88.39	15.28
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	92.93	15.28
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	103.27	15.28

11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*

11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	89.51	15.28
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	110.76	15.28
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	128.25	15.28
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	161.64	15.28

11 13 13 00-0049 Molded Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*

11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	77.26	15.28
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	67.61	15.28
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	89.63	15.28
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	111.84	15.28
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	117.09	15.28
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	87.10	15.28
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	112.72	15.28
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	165.47	15.28
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	94.77	15.28
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	141.62	15.28
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	141.16	15.28
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	215.48	15.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	133.94	15.28
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	123.87	15.28
11 13 16		**Loading Dock Seals And Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	69.60	15.28
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	70.56	15.28
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	71.52	15.28
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	73.43	15.28
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	75.34	15.28
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	77.28	15.28
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	79.22	15.28
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	81.21	15.28
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	83.21	15.28
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	85.12	15.28
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	87.03	15.28
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	90.91	15.28
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	80.97	15.28
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	81.93	15.28
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	82.89	15.28
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	84.83	15.28
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	86.77	15.28
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	88.68	15.28
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	90.59	15.28
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	92.53	15.28
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.47	15.28
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	96.38	15.28
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	98.35	15.28
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.17	15.28
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	87.03	15.28
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	88.01	15.28
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	89.00	15.28
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	90.91	15.28
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	92.82	15.28
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.76	15.28
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	96.70	15.28
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	98.61	15.28
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	100.53	15.28
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.47	15.28
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	104.41	15.28
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	108.34	15.28
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	64.54	15.28
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	66.04	15.28
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	69.37	15.28
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	72.65	15.28
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	76.02	15.28
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	79.30	15.28
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	82.62	15.28
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	75.29	15.28
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	76.84	15.28
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	80.16	15.28
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	83.49	15.28
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	86.77	15.28
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	90.09	15.28
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	93.37	15.28
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	81.12	15.28
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	82.62	15.28
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	85.99	15.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	89.27	15.28
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	92.60	15.28
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	95.87	15.28
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	99.24	15.28

11 13 16 23 Loading Dock Shelters *(11 13 16)*

11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*

11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	109.73	19.09

11 13 16 23-0003 Rigid Loading Dock Shelters *(11 13 16 23)*

11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	81.39	18.33
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	84.92	18.33
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	88.18	19.09
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	90.61	19.09

11 13 19 Stationary Loading Dock Equipment *(11 13)*

Note: Includes all anchor bolts and fasteners.

11 13 19 13 Loading Dock Levelers *(11 13 19)*

11 13 19 13-0001 Hydraulic Dock Levelers *(11 13 19 13)*

Note: Excludes control panel, remote operator, and electrical wiring.

11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler	7,404.04	662.39
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler	7,909.67	735.99
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler	9,714.70	883.19
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler	7,878.95	735.99
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler	8,567.29	809.58
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler	10,276.79	956.79

11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler	7,563.41	662.39
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler	8,075.53	735.99
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler	9,870.12	883.19
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler	8,035.79	735.99
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler	8,713.02	809.58
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler	10,581.26	956.79

11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler	7,907.04	772.79
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler	8,406.66	883.19
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler	10,257.91	1,030.38
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler	8,406.66	883.19
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler	9,064.09	993.58
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler	10,915.34	1,067.19

11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler	8,185.92	809.58
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler	8,686.63	919.98
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler	9,745.33	1,067.19
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler	8,686.63	919.98
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler	9,428.34	1,030.38
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler	11,311.97	1,103.98

11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler	8,691.57	809.58
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler	9,191.74	919.98
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler	11,065.65	1,067.19
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler	9,191.74	919.98
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler	9,934.10	1,030.38
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler	11,817.50	1,103.98

11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler	9,097.44	846.39
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler	9,604.41	956.79
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler	11,470.39	1,103.98
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler	9,605.52	956.79
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler	10,342.79	1,067.19
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler	12,216.12	1,140.78

11 13 19 13-0044 Manual Dock Levelers *(11 13 19 13)*

11 13 19 13-0045 20,000 LB Manual Dock Levelers *(11 13 19 13-0044)*

11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler	5,758.05	662.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler	6,274.08	735.99
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler	8,068.71	883.19
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler	6,234.44	735.99
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler	6,921.31	809.58
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler	8,798.66	883.19
11 13 19 13-0052		40,000 LB Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler	7,191.16	735.99
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler	7,691.34	809.58
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler	8,290.64	956.79
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler	7,691.34	809.58
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler	8,773.89	883.19
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler	10,317.09	1,030.38
11 13 19 13-0059		Edge-Of-Dock Levelers *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge-Of-Dock Levelers *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,099.53	220.80
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,353.57	220.80
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,316.81	220.80
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,665.56	220.80
11 13 19 13-0065		Manual Edge-Of-Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0066	EA	66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,480.40	220.80
11 13 19 13-0067	EA	72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,633.44	220.80
11 13 19 13-0068	EA	66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,680.25	220.80
11 13 19 13-0069	EA	72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,795.02	220.80
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift	13,137.76	153.60
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	8,851.67	153.60
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	16,288.37	230.41
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	28,727.85	460.80
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	30,020.05	614.41
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift	26,717.03	1,284.40
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift	30,546.38	1,541.28
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	6,234.41	276.00
11 13 19 33-0003	EA	Rotating Hook Truck Restraint System (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,852.34	276.00
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	237.64	60.08
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	294.26	60.08
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	131.88	48.06
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	257.29	80.11
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	334.02	80.11
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	294.21	80.11
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	394.64	80.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0012		**Metal Halide Loading Dock Lights** *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	471.63	80.11
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	518.81	80.11
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	556.55	80.11
11 13 26 00-0016		**Quartz Halogen Loading Dock Lights** *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	288.90	80.11
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	318.75	80.11
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	344.23	80.11

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens *(11 30 13 13)*

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0003	EA	20" Electric Range With Oven	594.08	69.01
		For Stainless Steel, Add	*114.02*	
11 30 13 13-0004	EA	24" Electric Range With Oven	620.22	69.01
		For Stainless Steel, Add	*120.55*	
11 30 13 13-0005	EA	30" Electric Range With Oven	590.42	69.01
		For Stainless Steel, Add	*130.35*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	599.10	69.01

11 30 13 13-0007 Gas Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0008	EA	20" Gas Range With Oven	659.42	69.01
		For Stainless Steel, Add	*130.35*	
11 30 13 13-0009	EA	24" Gas Range With Oven	693.40	69.01
		For Stainless Steel, Add	*138.85*	
11 30 13 13-0010	EA	30" Gas Range With Oven	724.76	69.01
		For Stainless Steel, Add	*146.69*	

11 30 13 13-0011 Range Hoods *(11 30 13 13)*

11 30 13 13-0012 Venting Range Hoods *(11 30 13 13-0011)*

11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	206.34	51.75
		For Stainless Steel, Add	*15.42*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	191.07	51.75
		For Stainless Steel, Add	*13.13*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	188.39	51.75
		For Stainless Steel, Add	*12.73*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	191.07	51.75
		For Stainless Steel, Add	*13.13*	

11 30 13 13-0017 Non-Ducted Range Hoods *(11 30 13 13-0011)*

11 30 13 13-0018	EA	21" Non Ducted Range Hood (Broan 41000)	208.32	51.75
		For Stainless Steel, Add	*15.72*	
11 30 13 13-0019	EA	24" Non Ducted Range Hood (Broan 41000)	193.09	51.75
		For Stainless Steel, Add	*13.44*	
11 30 13 13-0020	EA	30" Non Ducted Range Hood (Broan 41000)	190.40	51.75
		For Stainless Steel, Add	*13.03*	
11 30 13 13-0021	EA	36" Non Ducted Range Hood (Broan 41000)	193.09	51.75
		For Stainless Steel, Add	*13.44*	

11 30 13 13-0022 Microwaves *(11 30 13 13)*

11 30 13 13-0023 Countertop Microwaves *(11 30 13 13-0022)*

11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	124.41	8.63
		For Stainless Steel, Add	*16.07*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	147.92	8.63
		For Stainless Steel, Add	*19.60*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	151.84	8.63
		For Stainless Steel, Add	*20.19*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	185.83	8.63
		For Stainless Steel, Add	*25.29*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	198.90	8.63
		For Stainless Steel, Add	*27.25*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	211.96	8.63
		For Stainless Steel, Add	*29.21*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	225.03	8.63
		For Stainless Steel, Add	*31.17*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	238.10	8.63
		For Stainless Steel, Add	*33.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	252.46	8.63
		For Stainless Steel, Add	*35.28*	
11 30 13 13-0033		**Over-The-Range Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	437.49	69.00
		For Stainless Steel, Add	*50.10*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	494.22	69.00
		For Stainless Steel, Add	*58.61*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	512.51	69.00
		For Stainless Steel, Add	*61.35*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	649.72	69.00
		For Stainless Steel, Add	*81.93*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	520.36	69.00
		For Stainless Steel, Add	*62.53*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	310.00	51.75
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	986.12	69.01
		For Stainless Steel, Add	*152.66*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	487.17	34.50
		For Stainless Steel, Add	*62.72*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	590.42	34.50
		For Stainless Steel, Add	*78.21*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	657.06	34.50
		For Stainless Steel, Add	*88.21*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	696.26	34.50
		For Stainless Steel, Add	*94.09*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	800.80	34.50
		For Stainless Steel, Add	*109.77*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	890.99	34.50
		For Stainless Steel, Add	*123.30*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	957.62	34.50
		For Stainless Steel, Add	*133.29*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	778.13	34.50
11 30 13 13-0052		**Side-By-Side Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	983.61	34.50
		For Stainless Steel, Add	*137.19*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,218.98	34.50
		For Stainless Steel, Add	*172.50*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	1,375.80	34.50
		For Stainless Steel, Add	*196.02*	
11 30 13 13-0056		**Other Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	162.70	17.25
		For Stainless Steel, Add	*19.23*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	221.50	17.25
		For Stainless Steel, Add	*28.05*	
11 30 13 13-0059		**Freezers** *(11 30 13 13)*		
11 30 13 13-0060		**Upright Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	459.74	34.50
		For Stainless Steel, Add	*58.61*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	590.42	34.50
		For Stainless Steel, Add	*78.21*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	629.63	34.50
		For Stainless Steel, Add	*84.09*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	721.10	34.50
		For Stainless Steel, Add	*97.81*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	826.94	34.50
		For Stainless Steel, Add	*113.69*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	879.23	34.50
		For Stainless Steel, Add	*121.53*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	918.42	34.50
		For Stainless Steel, Add	*127.41*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	369.56	34.50
		For Stainless Steel, Add	*45.08*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	461.04	34.50
		For Stainless Steel, Add	*58.80*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	493.72	34.50
		For Stainless Steel, Add	*63.71*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	552.51	34.50
		For Stainless Steel, Add	*72.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	590.42	34.50
		For Stainless Steel, Add	*78.21*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	721.10	34.50
		For Stainless Steel, Add	*97.81*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	890.99	34.50
		For Stainless Steel, Add	*123.30*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	918.42	34.50
		For Stainless Steel, Add	*127.41*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 LB Per Day, Automatic Ice Maker	1,703.56	69.01
11 30 13 13-0079	EA	18" Wide, 50 LB Per Day, Automatic Ice Maker	1,899.58	69.01
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	830.60	69.01
		For Stainless Steel, Add	*103.89*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	556.17	69.01
		For Stainless Steel, Add	*62.72*	
11 30 13 13-0083		**Disposals** *(11 30 13 13)*		
11 30 13 13-0084	EA	1/3 HP Insulated Garbage Disposal (GE GFC320V)	193.68	51.75
11 30 13 13-0085	EA	1/2 HP Insulated Garbage Disposal (GE GFC520V)	219.82	51.75
11 30 13 13-0086	EA	3/4 HP Insulated Garbage Disposal (GE GFC720V)	285.16	51.75
11 30 13 13-0087	EA	1 HP Insulated Garbage Disposal (GE GFC1020V)	350.50	51.75
11 30 13 13-0088		**Automatic Water Softener** *(11 30 13 13)*		
11 30 13 13-0089	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	850.10	140.87
11 30 13 13-0090	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,010.63	140.87
11 30 13 13-0091		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0092	EA	Removal And Reinstallation Of Garbage Disposal	103.51	
11 30 13 13-0093	EA	Removal And Reinstallation Of Stove/Range	207.01	
11 30 13 13-0094	EA	Removal And Reinstallation Of Dishwasher	220.81	
11 30 13 13-0095	EA	Removal And Reinstallation Of Range Hood	103.51	
11 30 13 13-0096	EA	Removal And Reinstallation Of Washer And Dryer	172.50	
11 30 13 13-0097		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0098	EA	8" Burner Replacement	21.91	
11 30 13 13-0099	EA	4" Burner Element Replacement	38.76	
11 30 13 13-0100	EA	8" Burner Element Replacement	44.57	
11 30 13 13-0101	EA	Burner Manifold Replacement	149.60	
11 30 13 13-0102	EA	Burner Switch Replacement	61.38	
11 30 13 13-0103	EA	Burner Tube, 5/8" x 4' Replacement	28.46	
11 30 13 13-0104	EA	Oven Control Replacement	73.94	
11 30 13 13-0105	EA	Oven Door Gasket Replacement	29.37	
11 30 13 13-0106	EA	Oven Element Replacement	69.49	
11 30 13 13-0107	EA	Oven Igniter Replacement	50.12	
11 30 13 13-0108	EA	Oven Knobs Replacement	38.32	
11 30 13 13-0109		**Accessories** *(11 30 13 13)*		
11 30 13 13-0110	SF	Colored Metal Range Splash Plate	13.09	2.76
11 30 13 13-0111	SF	Stainless Steel Range Splash Plate	19.17	2.76
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		**Washing Machines And Dryers** *(11 30 13 23)*		
11 30 13 23-0002		**Washing Machines** *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	639.28	69.01
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,018.26	69.01
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,344.96	69.01
11 30 13 23-0006		**Dryers** *(11 30 13 23-0001)*		
11 30 13 23-0007		**Electric Dryers** *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	494.24	69.01
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	626.22	69.01
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	769.96	69.01
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	874.51	69.01
11 30 13 23-0012		**Gas Dryers** *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	587.01	69.01
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	717.69	69.01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	848.23	69.01
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	965.98	69.01

11 30 33 Retractable Stairs *(11 30)*

11 30 33 00-0001 Disappearing Folding Access Stairs *(11 30 33)*

11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	517.55	152.83
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	527.73	152.83
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	527.73	152.83
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	537.67	152.83

11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	610.53	152.83
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	631.12	152.83
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	622.65	152.83
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	642.33	152.83
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	634.41	152.83
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	668.42	152.83

11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0015	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	610.84	152.83
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	639.24	152.83
11 30 33 00-0017	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	618.75	152.83
11 30 33 00-0018	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	647.13	152.83
11 30 33 00-0019	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	805.22	152.83

11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0021	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	617.62	152.83
11 30 33 00-0022	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	650.74	152.83

11 50 Educational And Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	222.14	53.49
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	265.57	68.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	339.58	95.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	394.48	114.63
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	609.25	171.94
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	714.20	191.05
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	509.90	122.27
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	587.72	152.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	311.82	64.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	432.08	91.70
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	471.69	103.17
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	503.65	110.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	582.88	133.73
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	473.09	95.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	537.03	110.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0018		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*		
11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	499.22	68.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	589.92	95.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	692.07	129.91
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	809.51	171.94
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	883.91	175.76
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	947.85	191.05
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	964.54	191.05
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,037.53	202.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	1,110.52	213.97
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	1,191.16	229.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	1,324.67	229.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	1,544.27	305.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0031		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*		
		Note: With controlled screen return.		
11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	923.70	95.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,042.53	129.91
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,159.98	171.94
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,217.69	175.76
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,298.32	191.05
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,315.01	191.05
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,388.00	202.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,419.97	210.15
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,591.69	229.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,741.89	229.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,994.87	305.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,459.02	85.97
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,493.49	95.53
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,560.89	114.63
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,807.60	171.94
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,852.10	175.76
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,967.14	191.05
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,005.54	191.05
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,106.01	204.42
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,228.01	213.97
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,309.27	229.26
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,378.39	229.26
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,651.03	305.68

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,293.97	229.26
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,580.32	305.68
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,424.44	343.89
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,667.74	382.09
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,987.48	458.51
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,564.56	496.72
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,091.58	534.93
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,425.36	534.93
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,928.67	611.35
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,399.01	496.72
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,795.16	611.35
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,114.88	687.77
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,809.21	534.93
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,783.78	687.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*		
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,007.40	85.97
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,076.58	95.53
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,148.17	114.63
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,379.62	171.94
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,420.64	175.76
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,551.33	191.05
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,651.47	191.05
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,728.28	204.42
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,830.83	213.97
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,928.15	229.26
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,961.53	229.26
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	4,281.26	305.68
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	4,586.49	324.78
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	4,791.60	343.89
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,235.16	382.09
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,471.46	458.51
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*		
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol)	2,500.06	85.97
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol)	2,561.63	105.07
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol)	2,595.76	114.63
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol)	2,758.79	171.94
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)	2,781.45	175.76
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)	2,875.43	191.05
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)	2,963.88	191.05
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)	3,109.12	204.42
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)	3,151.58	213.97
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)	3,253.92	229.26
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)	3,263.58	267.46
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)	3,573.65	305.68
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)	4,442.96	324.78
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)	4,639.73	343.89
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)	5,024.88	382.09
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)	5,247.83	458.51
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)	5,716.43	496.72
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)	6,071.55	534.93
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)	6,315.21	534.93
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)	6,988.75	611.35
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)	2,595.76	114.63
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)	2,720.58	152.83
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol)	2,773.81	171.94
		Note: Heavy duty screen for recessed or exposed installation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,168.27	213.97
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,402.10	267.46
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,220.83	343.89
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,500.51	420.30
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,866.93	573.14
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,728.92	152.83
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,798.84	171.94
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,870.16	183.41
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,915.75	198.68
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,088.17	213.97
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,338.68	267.46
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,175.77	343.89
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,832.62	420.30
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,861.62	496.72

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,849.01	85.97
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,904.99	95.53
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,970.84	114.63
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,180.70	171.94
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,219.06	175.76
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,315.66	191.05
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,418.56	191.05
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,511.36	204.42
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,579.61	213.97
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,688.51	229.26
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,794.48	229.26
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,036.41	305.68

11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)*

Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.

11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,690.20	191.05
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,233.92	229.26
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,598.03	343.89
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,096.99	458.51
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,418.05	534.93
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,157.50	191.05
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,918.16	229.26
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,445.19	267.46
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,867.73	343.89

11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)*

Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.

11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,733.02	191.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,424.63	210.15
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,920.22	229.26
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,029.41	248.36
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,786.36	7,518.89
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,646.86	305.68
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,075.52	343.89
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,941.65	382.09
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,716.92	420.30
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,347.24	458.51
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	41.50	5.73
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	58.19	6.11
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	68.20	6.88
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	417.96	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	601.54	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,123.81	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	27.30	2.75
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	788.07	38.21
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	912.61	38.21
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	1,206.16	38.21
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,900.02	38.21
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	2,211.36	38.21
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	2,807.37	38.21
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	4,461.95	38.21
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	6,045.37	38.21
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,972.02	38.21
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	176.27	42.02
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	286.70	42.02
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)* Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	64.45	19.09
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	87.12	19.09
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	120.66	19.09
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	149.92	19.09
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	219.90	19.09
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	484.11	19.09
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)* Note: Peerless EXT series.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	38.02	5.73
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	49.20	5.73
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	53.40	5.73
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	56.19	5.73
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	67.00	7.64
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	80.98	7.64
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	103.35	7.64
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	118.72	7.64
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	139.31	9.55
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	158.88	9.55
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	176.69	11.46
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	185.07	11.46
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	77.80	9.55
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	119.74	9.55
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	122.53	9.55
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	126.73	9.55
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	137.55	11.46
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	144.54	11.46
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	159.91	11.46
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	173.89	11.46
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	193.09	13.37
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	207.07	13.37
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	226.25	15.28
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	236.04	15.28

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 23 Gymnasium Equipment *(11 66)*

11 66 23 53 Wall Padding *(11 66 23)*

11 66 23 53-0001 Gymnasium Wall Padding *(11 66 23 53)*

Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	9.34	1.26
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.84*	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	12.64	1.39
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.84*	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	14.99	1.26
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.84*	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	23.43	1.39
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.84*	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	19.12	1.26
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.84*	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	28.37	1.39
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.84*	

11 66 23 53-0008 Gymnasium Wall Padding Accessories *(11 66 23 53)*

11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	6.44	1.83
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	9.56	1.83
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	9.97	1.83
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets	34.53	

11 66 53 Gymnasium Dividers *(11 66)*

11 66 53 11 Gymnasium Dividers *(11 66 53)*

11 66 53 11-0001 Gymnasium Dividers *(11 66 53 11)*

11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	5.68	0.77
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	10.21	0.77

11 68 Play Field Equipment And Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	197.44	46.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	288.05	46.72

11 68 13 00-0005 Swings *(11 68 13 00-0001)*

11 68 13 00-0006 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0005)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0007	EA	8' High Top Rail, One Section Two Seats	1,179.45	254.24
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*135.32*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*145.84*	
11 68 13 00-0008	EA	8' High Top Rail, Two Sections Four Seats	1,871.74	363.82
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*215.80*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*236.70*	
11 68 13 00-0009	EA	8' High Top Rail, Three Sections, Six Seats	2,593.19	535.34
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*298.65*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*326.30*	
11 68 13 00-0010	EA	8' High Top Rail, Four Sections, Eight Seats	3,242.40	622.96
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*374.14*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*411.64*	
11 68 13 00-0011	EA	10' High Top Rail, One Section Two Seats	1,251.11	254.24
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*144.28*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*158.38*	
11 68 13 00-0012	EA	10' High Top Rail, Two Section Four Seats	1,964.32	387.48
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*225.64*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*244.24*	
11 68 13 00-0013	EA	10' High Top Rail, Three Sections, Six Seats	2,723.04	601.72
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*311.72*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*333.21*	
11 68 13 00-0014	EA	10' High Top Rail, Four Sections, Eight Seats	3,592.93	726.80
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*412.76*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*446.99*	

11 68 13 00-0015 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0005)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0016	EA	8' High Top Rail, One Section, Two Seats	1,327.29	224.55
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*154.68*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*176.13*	
11 68 13 00-0017	EA	8' High Top Rail, Two Sections, Four Seats	1,926.39	325.81
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*224.51*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*255.67*	
11 68 13 00-0018	EA	8' High Top Rail, Three Sections, Six Seats	2,570.53	435.74
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*299.53*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*340.91*	
11 68 13 00-0019	EA	8' High Top Rail, Four Sections, Eight Seats	3,200.95	519.14
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*374.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*430.36*	
11 68 13 00-0020	EA	10' High Top Rail, One Section, Two Seats	1,496.72	253.07
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*174.44*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*198.66*	
11 68 13 00-0021	EA	10' High Top Rail, One Section Three Seats	1,559.53	268.36
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*182.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*209.00*	
11 68 13 00-0022	EA	10' High Top Rail, Two Sections, Four Seats	2,089.94	354.26
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*243.53*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*277.17*	
11 68 13 00-0023	EA	10' High Top Rail, Two Sections, Six Seats	2,498.05	408.39
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*292.80*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*339.88*	
11 68 13 00-0024	EA	10' High Top Rail, Three Section, Six Seats	2,781.84	471.31
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*324.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*368.99*	
11 68 13 00-0025	EA	10' High Top Rail, Three Sections, Nine Seats	3,434.81	519.35
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*403.39*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*471.29*	
11 68 13 00-0026	EA	10' High Top Rail, Four Section, Eight Seats	3,539.45	622.96
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*411.28*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*463.63*	
11 68 13 00-0027	EA	12' High Top Rail, One Section Three Seats	1,628.71	274.87
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*190.49*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*219.55*	
11 68 13 00-0028	EA	12' High Top Rail, Two Sections, Six Seats	2,647.45	442.24
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*309.86*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*357.97*	
11 68 13 00-0029	EA	12' High Top Rail, Three Sections, Nine Seats	3,890.71	708.32
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*451.73*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*507.83*	

11 68 13 00-0030 Swing Accessories *(11 68 13 00-0005)*

11 68 13 00-0031	EA	Enclosed Tot Seat With Chain And Hardware	369.38	20.87
11 68 13 00-0032	EA	Bucket Seat With Chain And Hardware	307.07	17.36
11 68 13 00-0033	EA	Belt Seat With Chain And Hardware	327.09	18.52
11 68 13 00-0034	EA	Seat With Chain And Hardware	322.65	18.25
11 68 13 00-0035	EA	Wide Seat With Chain And Hardware	340.57	19.28
11 68 13 00-0036	EA	Handi Seat With Chain And Hardware	1,016.89	57.51
11 68 13 00-0037	LF	0.4 LB/LF Replacement Chain	4.33	0.41
11 68 13 00-0038	LF	1 LB/LF Replacement Chain	8.05	0.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0039	EA	Swing Hanger Replacement	47.06	4.76
11 68 13 00-0040		**Playground Equipment (Landscape Structures®)** *(11 68 13)* Note: Excludes excavation and concrete footings.		
11 68 13 00-0041		**Playground Equipment (Landscape Structures® PlayShaper®)** *(11 68 13 00-0040)* Note: Ages 2 to 5 years.		
11 68 13 00-0042	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	2,297.53	91.57
11 68 13 00-0043	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	5,797.47	343.39
11 68 13 00-0044	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	2,395.99	91.57
11 68 13 00-0045	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	2,732.50	137.35
11 68 13 00-0046	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	2,317.58	137.35
11 68 13 00-0047	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	1,840.42	91.57
11 68 13 00-0048	EA	Double Poly Slide, 40"- 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,044.36	91.57
11 68 13 00-0049	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	1,566.15	91.57
11 68 13 00-0050	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	4,445.29	274.72
11 68 13 00-0051	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	5,134.47	274.72
11 68 13 00-0052	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	5,535.32	274.72
11 68 13 00-0053	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	1,581.27	45.78
11 68 13 00-0054	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	1,601.32	91.57
11 68 13 00-0055	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,120.67	137.35
11 68 13 00-0056	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	2,366.81	137.35
11 68 13 00-0057	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	2,641.08	137.35
11 68 13 00-0058	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	1,523.96	91.57
11 68 13 00-0059	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	6,370.10	366.29
11 68 13 00-0060	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	884.00	91.57
11 68 13 00-0061	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	941.31	45.78
11 68 13 00-0062	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,413.25	114.47
11 68 13 00-0063	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,193.99	160.25
11 68 13 00-0064	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	2,566.72	160.25
11 68 13 00-0065	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	2,403.02	91.57
11 68 13 00-0066	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	2,585.86	91.57
11 68 13 00-0067	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,172.33	91.57
11 68 13 00-0068	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,369.24	91.57
11 68 13 00-0069	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	612.80	38.16
11 68 13 00-0070	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,134.18	68.68
11 68 13 00-0071	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	1,706.73	175.51
11 68 13 00-0072	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,016.17	175.51
11 68 13 00-0073	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	1,812.29	91.57
11 68 13 00-0074	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	3,370.43	91.57
11 68 13 00-0075	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	2,691.35	91.57
11 68 13 00-0076	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	834.87	114.47
11 68 13 00-0077	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	858.87	114.47
11 68 13 00-0078	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	900.60	114.47
11 68 13 00-0079	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	917.22	22.90
11 68 13 00-0080	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	333.52	22.90
11 68 13 00-0081	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	3,264.12	160.25
11 68 13 00-0082	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	1,702.44	114.47
11 68 13 00-0083	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,043.19	38.16
11 68 13 00-0084	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,059.47	45.78
11 68 13 00-0085	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	283.92	28.85
11 68 13 00-0086	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	1,595.33	45.78
11 68 13 00-0087	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	627.84	68.68
11 68 13 00-0088	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,057.64	68.68
11 68 13 00-0089	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	4,412.22	183.15
11 68 13 00-0090	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	4,412.22	183.15
11 68 13 00-0091	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,009.20	91.57
11 68 13 00-0092	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,502.86	91.57
11 68 13 00-0093	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	1,546.10	45.78
11 68 13 00-0094	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,003.21	45.78
11 68 13 00-0095	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,206.11	91.57
11 68 13 00-0096	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	3,631.61	183.15
11 68 13 00-0097	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	3,631.61	183.15
11 68 13 00-0098	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	3,631.61	183.15
11 68 13 00-0099	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	3,631.61	183.15
11 68 13 00-0100	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	699.22	22.90
11 68 13 00-0101	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,073.96	15.26
11 68 13 00-0102	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,242.74	15.26
11 68 13 00-0103	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,355.26	15.26
11 68 13 00-0104	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	734.38	22.90
11 68 13 00-0105	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	581.68	15.26
11 68 13 00-0106	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	1,699.85	15.26
11 68 13 00-0107	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	462.13	15.26
11 68 13 00-0108	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	544.50	22.90
11 68 13 00-0109	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,446.68	15.26
11 68 13 00-0110	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	903.16	22.90
11 68 13 00-0111	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,250.74	45.78
11 68 13 00-0112	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,344.18	38.16
11 68 13 00-0113	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,288.90	68.68
11 68 13 00-0114	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	940.34	15.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0115	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,402.46	22.90
11 68 13 00-0116	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	959.42	22.90
11 68 13 00-0117	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,222.61	45.78
11 68 13 00-0118	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	417.92	22.90
11 68 13 00-0119	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,294.95	38.16
11 68 13 00-0120	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	988.52	61.05
11 68 13 00-0121	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,207.57	15.26
11 68 13 00-0122	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	462.13	15.26
11 68 13 00-0123	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	635.92	22.90
11 68 13 00-0124	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	462.13	15.26
11 68 13 00-0125	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	595.74	15.26
11 68 13 00-0126	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,120.12	68.68
11 68 13 00-0127	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,226.65	22.90
11 68 13 00-0128	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	931.29	22.90
11 68 13 00-0129	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	894.10	38.16
11 68 13 00-0130	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	514.34	38.16
11 68 13 00-0131	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	453.08	22.90
11 68 13 00-0132	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,253.73	68.68
11 68 13 00-0133	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,457.68	68.68
11 68 13 00-0134	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	419.93	15.26
11 68 13 00-0135	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	588.71	15.26
11 68 13 00-0136	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	120.35	15.26
11 68 13 00-0137	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	678.12	22.90
11 68 13 00-0138	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	901.13	38.16
11 68 13 00-0139	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	514.34	38.16
11 68 13 00-0140	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	718.29	38.16
11 68 13 00-0141	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	117.54	15.26
11 68 13 00-0142	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	223.02	15.26
11 68 13 00-0143	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	300.38	15.26
11 68 13 00-0144	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	173.80	15.26
11 68 13 00-0145	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	474.18	22.90
11 68 13 00-0146	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	488.24	22.90
11 68 13 00-0147	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	495.27	22.90
11 68 13 00-0148	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	509.34	22.90
11 68 13 00-0149	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	516.37	22.90
11 68 13 00-0150	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	530.44	22.90
11 68 13 00-0151	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	425.84	137.35
11 68 13 00-0152	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	716.27	45.78
11 68 13 00-0153	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,341.11	91.57
11 68 13 00-0154	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,488.80	91.57
11 68 13 00-0155	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	3,106.27	91.57
11 68 13 00-0156	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	3,612.61	91.57
11 68 13 00-0157	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	781.58	38.16
11 68 13 00-0158	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	746.41	38.16
11 68 13 00-0159	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	760.48	38.16
11 68 13 00-0160	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	614.82	22.90
11 68 13 00-0161	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,213.48	137.35
11 68 13 00-0162	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,107.99	137.35
11 68 13 00-0163	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,016.57	137.35
11 68 13 00-0164	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	145.66	15.26
11 68 13 00-0165	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	128.79	15.26
11 68 13 00-0166	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	187.86	15.26
11 68 13 00-0167	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	156.92	15.26
11 68 13 00-0168	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	230.06	15.26
11 68 13 00-0169	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	2,302.47	183.15
11 68 13 00-0170	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	2,633.00	183.15
11 68 13 00-0171	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	2,773.65	183.15
11 68 13 00-0172	EA	56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A)	1,398.42	45.78
11 68 13 00-0173	EA	48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B)	1,370.29	45.78
11 68 13 00-0174	EA	40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C)	1,356.23	45.78
11 68 13 00-0175	EA	32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D)	1,335.13	45.78
11 68 13 00-0176	EA	24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E)	1,314.03	45.78
11 68 13 00-0177	EA	16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F)	1,299.97	45.78
11 68 13 00-0178	EA	8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G)	1,285.90	45.78
11 68 13 00-0179	EA	Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H)	1,271.83	45.78
11 68 13 00-0180	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	312.43	22.90
11 68 13 00-0181	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	298.36	22.90
11 68 13 00-0182	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	277.26	22.90
11 68 13 00-0183	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	270.23	22.90
11 68 13 00-0184	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	263.20	22.90
11 68 13 00-0185	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	256.17	22.90
11 68 13 00-0186	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	552.43	137.35
11 68 13 00-0187	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	524.29	137.35
11 68 13 00-0188	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	517.26	137.35
11 68 13 00-0189	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	319.46	22.90
11 68 13 00-0190	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	312.43	22.90
11 68 13 00-0191	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	298.36	22.90
11 68 13 00-0192	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	277.26	22.90
11 68 13 00-0193	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	270.23	22.90
11 68 13 00-0194	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	368.69	22.90
11 68 13 00-0195	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	361.66	22.90
11 68 13 00-0196	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	340.56	22.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0197	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	333.52	22.90
11 68 13 00-0198	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	326.49	22.90
11 68 13 00-0199	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	312.43	22.90
11 68 13 00-0200	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	298.36	22.90
11 68 13 00-0201	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	277.26	22.90
11 68 13 00-0202	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	1,561.48	160.34
11 68 13 00-0203	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	1,541.08	158.26
11 68 13 00-0204	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	1,255.33	128.95
11 68 13 00-0205	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	1,234.87	126.81
11 68 13 00-0206	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	255.13	26.21
11 68 13 00-0207	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	244.94	25.17
11 68 13 00-0208	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	277.60	28.49
11 68 13 00-0209	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	265.34	27.24
11 68 13 00-0210	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	6,830.35	228.93
11 68 13 00-0211	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	3,632.66	137.35

11 68 13 00-0212 Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-0040)*

11 68 13 00-0213	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	2,934.35	228.93
11 68 13 00-0214	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	3,321.13	228.93
11 68 13 00-0215	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	4,079.60	274.72
11 68 13 00-0216	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	3,061.98	183.15
11 68 13 00-0217	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	4,986.35	305.24
11 68 13 00-0218	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	3,428.72	137.35
11 68 13 00-0219	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	9,160.95	412.07
11 68 13 00-0220	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	8,263.94	274.72
11 68 13 00-0221	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	6,077.87	228.93
11 68 13 00-0222	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	7,170.90	251.82
11 68 13 00-0223	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	9,356.96	297.61
11 68 13 00-0224	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	10,449.99	320.50
11 68 13 00-0225	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	8,052.96	274.72
11 68 13 00-0226	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	5,937.23	228.93
11 68 13 00-0227	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	6,995.09	251.82
11 68 13 00-0228	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	9,110.82	297.61
11 68 13 00-0229	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	10,168.69	320.50
11 68 13 00-0230	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	331.50	38.16
11 68 13 00-0231	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	338.53	38.16
11 68 13 00-0232	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	345.56	38.16
11 68 13 00-0233	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	352.59	38.16
11 68 13 00-0234	EA	Track Ride Curved (Landscape Structures® 118093A)	3,366.47	91.57
11 68 13 00-0235	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	5,099.31	274.72
11 68 13 00-0236	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	4,958.66	274.72
11 68 13 00-0237	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	4,283.54	274.72
11 68 13 00-0238	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	4,002.24	274.72
11 68 13 00-0239	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	4,459.35	274.72
11 68 13 00-0240	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	4,318.70	274.72
11 68 13 00-0241	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	420.90	45.78
11 68 13 00-0242	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	15,325.31	549.44
11 68 13 00-0243	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	13,202.24	824.14
11 68 13 00-0244	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	4,405.94	457.86
11 68 13 00-0245	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	5,438.96	183.15
11 68 13 00-0246	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	8,780.15	457.86
11 68 13 00-0247	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	552.50	61.05
11 68 13 00-0248	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	1,783.11	137.35
11 68 13 00-0249	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	2,268.35	137.35
11 68 13 00-0250	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	468.03	137.35
11 68 13 00-0251	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	664.95	137.35
11 68 13 00-0252	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	943.10	274.72
11 68 13 00-0253	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	1,372.08	274.72
11 68 13 00-0254	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	943.10	274.72
11 68 13 00-0255	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	1,372.08	274.72
11 68 13 00-0256	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	4,365.84	366.29
11 68 13 00-0257	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	4,248.38	274.72
11 68 13 00-0258	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	1,943.81	183.15
11 68 13 00-0259	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	786.59	45.78
11 68 13 00-0260	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	684.10	68.68
11 68 13 00-0261	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	11,398.34	366.29
11 68 13 00-0262	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	11,877.59	320.50
11 68 13 00-0263	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	3,151.31	274.72
11 68 13 00-0264	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	3,228.66	274.72
11 68 13 00-0265	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	3,813.41	228.93
11 68 13 00-0266	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	2,675.19	183.15
11 68 13 00-0267	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,152.28	45.78
11 68 13 00-0268	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	1,699.77	91.57
11 68 13 00-0269	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	1,629.44	91.57
11 68 13 00-0270	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	451.05	38.16
11 68 13 00-0271	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	6,060.67	366.29
11 68 13 00-0272	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,131.60	274.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0273	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	1,990.94	274.72
11 68 13 00-0274	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	2,511.35	274.72
11 68 13 00-0275	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	1,693.79	45.78
11 68 13 00-0276	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	2,352.75	137.35
11 68 13 00-0277	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	4,250.47	183.15
11 68 13 00-0278	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	6,141.17	228.93
11 68 13 00-0279	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	2,487.41	91.57
11 68 13 00-0280	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,142.82	91.57
11 68 13 00-0281	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	2,754.64	91.57
11 68 13 00-0282	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	2,374.89	91.57
11 68 13 00-0283	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	3,331.31	91.57
11 68 13 00-0284	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	2,965.62	91.57
11 68 13 00-0285	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	314.44	15.26
11 68 13 00-0286	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	258.18	15.26
11 68 13 00-0287	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,168.30	114.47
11 68 13 00-0288	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,049.79	68.68
11 68 13 00-0289	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,083.91	114.47
11 68 13 00-0290	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	1,600.27	137.35
11 68 13 00-0291	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	251.15	15.26
11 68 13 00-0292	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	208.96	15.26
11 68 13 00-0293	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,351.14	114.47
11 68 13 00-0294	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,368.19	137.35
11 68 13 00-0295	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,354.13	137.35
11 68 13 00-0296	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	1,600.27	137.35
11 68 13 00-0297	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,337.08	114.47
11 68 13 00-0298	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,354.13	137.35
11 68 13 00-0299	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,018.18	160.25
11 68 13 00-0300	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,120.67	137.35
11 68 13 00-0301	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	1,828.31	160.25
11 68 13 00-0302	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	1,923.76	137.35
11 68 13 00-0303	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,379.27	114.47
11 68 13 00-0304	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,123.10	91.57
11 68 13 00-0305	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,140.17	114.47
11 68 13 00-0306	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,126.10	114.47
11 68 13 00-0307	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,379.27	114.47
11 68 13 00-0308	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,116.07	91.57
11 68 13 00-0309	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,126.10	114.47
11 68 13 00-0310	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,414.44	114.47
11 68 13 00-0311	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,512.89	114.47
11 68 13 00-0312	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,442.56	114.47
11 68 13 00-0313	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,200.46	91.57
11 68 13 00-0314	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,291.88	91.57
11 68 13 00-0315	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,228.59	91.57
11 68 13 00-0316	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	8,841.35	549.44
11 68 13 00-0317	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	4,734.67	228.93
11 68 13 00-0318	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	5,733.28	228.93
11 68 13 00-0319	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	17,363.39	915.72
11 68 13 00-0320	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	2,977.59	183.15
11 68 13 00-0321	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	1,628.40	137.35
11 68 13 00-0322	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	32,787.16	1,465.15
11 68 13 00-0323	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	18,020.26	1,098.86
11 68 13 00-0324	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	16,325.42	1,098.86
11 68 13 00-0325	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	7,818.79	366.29
11 68 13 00-0326	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,127.15	68.68
11 68 13 00-0327	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,260.77	68.68
11 68 13 00-0328	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	4,002.24	274.72
11 68 13 00-0329	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	845.85	68.68
11 68 13 00-0330	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	916.17	68.68
11 68 13 00-0331	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	3,844.02	366.29
11 68 13 00-0332	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	3,725.88	366.29
11 68 13 00-0333	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	2,427.65	183.15
11 68 13 00-0334	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	2,309.50	183.15
11 68 13 00-0335	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	1,969.85	274.72
11 68 13 00-0336	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,087.99	274.72
11 68 13 00-0337	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,424.45	137.35
11 68 13 00-0338	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	1,542.60	137.35
11 68 13 00-0339	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	2,272.24	274.72
11 68 13 00-0340	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	2,390.39	274.72
11 68 13 00-0341	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	1,726.85	137.35
11 68 13 00-0342	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	1,845.00	137.35
11 68 13 00-0343	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	870.98	45.78
11 68 13 00-0344	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	4,415.06	366.29
11 68 13 00-0345	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	3,104.18	183.15
11 68 13 00-0346	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	4,007.18	366.29
11 68 13 00-0347	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	2,597.84	183.15
11 68 13 00-0348	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	1,993.04	183.15
11 68 13 00-0349	EA	Curved Balance Beam (Landscape Structures® 100041A)	847.87	61.05
11 68 13 00-0350	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,498.82	114.47
11 68 13 00-0351	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	3,202.63	183.15
11 68 13 00-0352	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	3,582.38	183.15
11 68 13 00-0353	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	3,195.60	183.15
11 68 13 00-0354	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	3,575.35	183.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0355	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	15,715.10	1,648.30
11 68 13 00-0356	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	15,250.95	1,648.30
11 68 13 00-0357	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	9,855.52	1,098.86
11 68 13 00-0358	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	10,052.43	1,098.86
11 68 13 00-0359	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,232.14	183.15
11 68 13 00-0360	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,161.82	183.15
11 68 13 00-0361	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	19.59	7.63
11 68 13 00-0362	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	63.08	7.63
11 68 13 00-0363	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	813.75	15.26
11 68 13 00-0364	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	446.04	22.90
11 68 13 00-0365	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	446.04	22.90
11 68 13 00-0366	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	417.92	22.90
11 68 13 00-0367	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	860.96	22.90
11 68 13 00-0368	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	727.34	22.90
11 68 13 00-0369	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	727.34	22.90
11 68 13 00-0370	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	244.12	15.26
11 68 13 00-0371	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	603.75	45.78
11 68 13 00-0372	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	312.43	22.90
11 68 13 00-0373	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	298.36	22.90
11 68 13 00-0374	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	96.44	15.26
11 68 13 00-0375	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	90.81	15.26
11 68 13 00-0376	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	7.69	2.29
11 68 13 00-0377	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	10.20	
11 68 13 00-0378	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	228.04	22.90
11 68 13 00-0379	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	75.34	11.45
11 68 13 00-0380	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	263.20	22.90
11 68 13 00-0381	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	221.00	22.90
11 68 13 00-0382	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	3,842.59	183.15
11 68 13 00-0383	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	138.63	11.45
11 68 13 00-0384	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	138.63	11.45
11 68 13 00-0385	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	138.63	11.45
11 68 13 00-0386	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	138.63	11.45
11 68 13 00-0387	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	138.63	11.45
11 68 13 00-0388	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	138.63	11.45
11 68 13 00-0389	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	145.66	11.45
11 68 13 00-0390	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	1,988.10	91.57
11 68 13 00-0391	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,047.18	91.57
11 68 13 00-0392	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	70.32	
11 68 13 00-0393	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,135.78	91.57
11 68 13 00-0394	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,194.86	91.57
11 68 13 00-0395	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	2,591.85	137.35
11 68 13 00-0396	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	21,091.96	549.44
11 68 13 00-0397	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	11,911.71	366.29
11 68 13 00-0398	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	11,911.71	366.29
11 68 13 00-0399	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	1,622.41	91.57
11 68 13 00-0400	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	1,740.56	91.57
11 68 13 00-0401	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	1,805.26	91.57
11 68 13 00-0402	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	1,923.40	91.57
11 68 13 00-0403	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	934.27	45.78
11 68 13 00-0404	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,052.42	45.78
11 68 13 00-0405	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	997.57	45.78
11 68 13 00-0406	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,115.71	45.78
11 68 13 00-0407	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	1,692.74	91.57
11 68 13 00-0408	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	1,872.77	91.57
11 68 13 00-0409	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	1,875.58	91.57
11 68 13 00-0410	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,055.61	91.57
11 68 13 00-0411	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	990.53	45.78
11 68 13 00-0412	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,246.88	91.57
11 68 13 00-0413	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,053.83	45.78
11 68 13 00-0414	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,310.17	91.57
11 68 13 00-0415	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	1,763.06	91.57
11 68 13 00-0416	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	1,881.21	91.57
11 68 13 00-0417	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	1,945.91	91.57
11 68 13 00-0418	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,064.05	91.57

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11 68 13 00-0419	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,067.89	45.78
11 68 13 00-0420	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,262.35	91.57
11 68 13 00-0421	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,131.19	45.78
11 68 13 00-0422	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,325.64	91.57
11 68 13 00-0423	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	1,833.39	91.57
11 68 13 00-0424	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,013.42	91.57
11 68 13 00-0425	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,016.23	91.57
11 68 13 00-0426	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,196.26	91.57
11 68 13 00-0427	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,131.19	45.78
11 68 13 00-0428	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,387.53	91.57
11 68 13 00-0429	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,270.79	91.57
11 68 13 00-0430	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,450.82	91.57
11 68 13 00-0431	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	1,622.41	91.57
11 68 13 00-0432	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	1,805.26	91.57
11 68 13 00-0433	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,369.24	91.57
11 68 13 00-0434	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	1,559.12	91.57
11 68 13 00-0435	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,383.31	91.57
11 68 13 00-0436	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	1,573.18	91.57
11 68 13 00-0437	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,369.24	91.57
11 68 13 00-0438	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	1,559.12	91.57
11 68 13 00-0439	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	1,622.41	91.57
11 68 13 00-0440	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	1,805.26	91.57
11 68 13 00-0441	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,488.80	91.57
11 68 13 00-0442	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	1,657.58	91.57
11 68 13 00-0443	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	1,573.18	91.57
11 68 13 00-0444	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	1,756.03	91.57
11 68 13 00-0445	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,509.89	91.57
11 68 13 00-0446	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	1,685.70	91.57
11 68 13 00-0447	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	1,566.15	91.57
11 68 13 00-0448	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,170.95	91.57
11 68 13 00-0449	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,067.89	45.78
11 68 13 00-0450	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,074.93	45.78
11 68 13 00-0451	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,081.96	45.78
11 68 13 00-0452	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	1,945.91	91.57
11 68 13 00-0453	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	3,351.36	137.35
11 68 13 00-0454	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	5,066.24	183.15
11 68 13 00-0455	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	6,316.98	228.93
11 68 13 00-0456	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	312.43	22.90
11 68 13 00-0457	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	326.49	22.90
11 68 13 00-0458	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	11,067.81	366.29
11 68 13 00-0459	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	5,853.88	183.15
11 68 13 00-0460	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	6,035.68	228.93
11 68 13 00-0461	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	6,134.13	228.93
11 68 13 00-0462	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	7,470.31	228.93
11 68 13 00-0463	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	7,568.77	228.93
11 68 13 00-0464	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	7,681.29	228.93
11 68 13 00-0465	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	9,494.62	274.72
11 68 13 00-0466	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	9,607.14	274.72
11 68 13 00-0467	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	9,712.63	274.72
11 68 13 00-0468	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	1,777.13	91.57
11 68 13 00-0469	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	1,530.99	91.57
11 68 13 00-0470	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,220.18	91.57
11 68 13 00-0471	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	1,530.99	91.57
11 68 13 00-0472	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	1,734.93	91.57
11 68 13 00-0473	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,488.80	91.57
11 68 13 00-0474	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,177.98	91.57
11 68 13 00-0475	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,488.80	91.57
11 68 13 00-0476	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	2,598.88	137.35
11 68 13 00-0477	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	2,556.69	137.35
11 68 13 00-0478	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	4,468.48	183.15
11 68 13 00-0479	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	4,426.28	183.15
11 68 13 00-0480	EA	The Peak Natural Climber (Landscape Structures® 160418A)	6,471.69	228.93
11 68 13 00-0481	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	3,274.00	137.35
11 68 13 00-0482	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	8,032.91	228.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0483	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	5,924.21	183.15
11 68 13 00-0484	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	5,614.78	183.15
11 68 13 00-0485	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	5,924.21	183.15
11 68 13 00-0486	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	5,614.78	183.15
11 68 13 00-0487	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	3,196.65	137.35
11 68 13 00-0488	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	2,880.18	137.35
11 68 13 00-0489	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	7,407.02	228.93
11 68 13 00-0490	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	7,097.59	228.93
11 68 13 00-0491	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	2,880.18	137.35
11 68 13 00-0492	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	2,570.75	137.35
11 68 13 00-0493	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	2,802.83	137.35
11 68 13 00-0494	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	2,570.75	137.35
11 68 13 00-0495	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	3,351.36	137.35
11 68 13 00-0496	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	3,506.07	137.35
11 68 13 00-0497	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	2,648.11	137.35
11 68 13 00-0498	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	2,570.75	137.35
11 68 13 00-0499	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	3,351.36	137.35
11 68 13 00-0500	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	3,506.07	137.35
11 68 13 00-0501	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,242.66	91.57
11 68 13 00-0502	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	856.92	45.78
11 68 13 00-0503	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	765.49	45.78
11 68 13 00-0504	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	990.53	45.78
11 68 13 00-0505	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,256.72	91.57
11 68 13 00-0506	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	1,910.74	91.57
11 68 13 00-0507	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,051.40	91.57
11 68 13 00-0508	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,460.66	91.57
11 68 13 00-0509	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	1,474.73	91.57

11 68 13 00-0510 Playground Equipment (Landscape Structures® PlayBooster®) *(11 68 13 00-0040)*

11 68 13 00-0511	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,362.21	91.57
11 68 13 00-0512	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,460.66	91.57
11 68 13 00-0513	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	582.65	45.78
11 68 13 00-0514	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	554.52	45.78
11 68 13 00-0515	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	446.04	22.90
11 68 13 00-0516	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	439.01	22.90
11 68 13 00-0517	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	417.92	22.90
11 68 13 00-0518	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	410.88	22.90
11 68 13 00-0519	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	389.78	22.90
11 68 13 00-0520	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	382.75	22.90
11 68 13 00-0521	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	368.69	22.90
11 68 13 00-0522	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	361.66	22.90
11 68 13 00-0523	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	340.56	22.90
11 68 13 00-0524	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	333.52	22.90
11 68 13 00-0525	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	389.78	22.90
11 68 13 00-0526	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	375.72	22.90
11 68 13 00-0527	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	368.69	22.90
11 68 13 00-0528	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	361.66	22.90
11 68 13 00-0529	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	340.56	22.90
11 68 13 00-0530	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	333.52	22.90
11 68 13 00-0531	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	326.49	22.90
11 68 13 00-0532	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	312.43	22.90
11 68 13 00-0533	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	298.36	22.90
11 68 13 00-0534	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	277.26	22.90
11 68 13 00-0535	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	547.49	45.78
11 68 13 00-0536	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	526.39	45.78
11 68 13 00-0537	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	505.29	45.78
11 68 13 00-0538	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	453.08	22.90
11 68 13 00-0539	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	446.04	22.90
11 68 13 00-0540	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	431.98	22.90
11 68 13 00-0541	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	410.88	22.90
11 68 13 00-0542	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	403.85	22.90
11 68 13 00-0543	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	389.78	22.90
11 68 13 00-0544	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	4,411.25	152.62
11 68 13 00-0545	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	5,658.77	412.07
11 68 13 00-0546	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	1,878.58	114.47
11 68 13 00-0547	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,082.52	114.47
11 68 13 00-0548	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	2,416.04	137.35
11 68 13 00-0549	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	2,952.54	129.72
11 68 13 00-0550	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	3,365.43	137.35
11 68 13 00-0551	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	3,562.33	137.35
11 68 13 00-0552	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	3,989.30	152.62
11 68 13 00-0553	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	4,179.18	152.62
11 68 13 00-0554	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	5,591.66	198.41
11 68 13 00-0555	EA	Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A)	862.90	91.57
11 68 13 00-0556	EA	Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B)	884.00	91.57
11 68 13 00-0557	EA	Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A)	1,172.33	91.57
11 68 13 00-0558	EA	Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B)	1,207.50	91.57
11 68 13 00-0559	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	4,445.29	274.72
11 68 13 00-0560	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	5,134.47	274.72
11 68 13 00-0561	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	5,535.32	274.72
11 68 13 00-0562	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	6,531.84	366.29
11 68 13 00-0563	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	6,693.59	366.29
11 68 13 00-0564	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	7,832.86	366.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0565	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	9,230.23	457.86
11 68 13 00-0566	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	7,305.57	206.04
11 68 13 00-0567	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	9,189.23	251.82
11 68 13 00-0568	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	1,601.32	91.57
11 68 13 00-0569	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,120.67	137.35
11 68 13 00-0570	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	2,366.81	137.35
11 68 13 00-0571	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	2,641.08	137.35
11 68 13 00-0572	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	2,991.66	183.15
11 68 13 00-0573	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	3,118.24	183.15
11 68 13 00-0574	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	3,568.32	183.15
11 68 13 00-0575	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	4,263.49	228.93
11 68 13 00-0576	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	6,346.00	343.39
11 68 13 00-0577	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	6,598.20	312.87
11 68 13 00-0578	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	5,755.27	343.39
11 68 13 00-0579	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	5,986.37	312.87
11 68 13 00-0580	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,279.43	114.47
11 68 13 00-0581	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	2,483.38	114.47
11 68 13 00-0582	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	3,074.10	114.47
11 68 13 00-0583	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	2,525.57	114.47
11 68 13 00-0584	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	2,729.51	114.47
11 68 13 00-0585	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	3,334.31	114.47
11 68 13 00-0586	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	2,574.80	114.47
11 68 13 00-0587	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	2,729.51	114.47
11 68 13 00-0588	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	3,142.41	129.72
11 68 13 00-0589	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	3,323.23	137.35
11 68 13 00-0590	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	3,717.05	137.35
11 68 13 00-0591	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	3,850.67	137.35
11 68 13 00-0592	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	5,080.31	183.15
11 68 13 00-0593	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	920.21	45.78
11 68 13 00-0594	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	1,626.46	68.68
11 68 13 00-0595	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	3,681.89	137.35
11 68 13 00-0596	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	2,360.76	175.51
11 68 13 00-0597	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	2,754.58	175.51
11 68 13 00-0598	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	2,677.22	175.51
11 68 13 00-0599	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	3,085.11	175.51
11 68 13 00-0600	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	2,917.37	129.72
11 68 13 00-0601	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	2,859.09	137.35
11 68 13 00-0602	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	3,070.06	137.35
11 68 13 00-0603	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	3,449.81	137.35
11 68 13 00-0604	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	3,653.76	137.35
11 68 13 00-0605	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,375.23	137.35
11 68 13 00-0606	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,452.59	137.35
11 68 13 00-0607	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	1,551.04	137.35
11 68 13 00-0608	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	1,881.57	137.35
11 68 13 00-0609	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	1,958.93	137.35
11 68 13 00-0610	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,057.38	137.35
11 68 13 00-0611	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,134.74	137.35
11 68 13 00-0612	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	3,061.98	183.15
11 68 13 00-0613	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	3,948.08	183.15
11 68 13 00-0614	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	4,468.48	183.15
11 68 13 00-0615	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	5,600.71	183.15
11 68 13 00-0616	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	5,052.18	183.15
11 68 13 00-0617	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	4,468.48	183.15
11 68 13 00-0618	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	3,863.68	183.15
11 68 13 00-0619	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	5,389.74	183.15
11 68 13 00-0620	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	5,052.18	183.15
11 68 13 00-0621	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	4,714.62	183.15
11 68 13 00-0622	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	2,366.81	137.35
11 68 13 00-0623	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	3,077.09	137.35
11 68 13 00-0624	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	1,843.42	114.47
11 68 13 00-0625	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	1,578.20	106.84
11 68 13 00-0626	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,126.74	106.84
11 68 13 00-0627	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	1,880.60	106.84
11 68 13 00-0628	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	1,667.60	114.47
11 68 13 00-0629	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	1,752.00	114.47
11 68 13 00-0630	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	1,822.32	114.47
11 68 13 00-0631	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,048.74	114.47
11 68 13 00-0632	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,105.00	114.47
11 68 13 00-0633	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,196.43	114.47
11 68 13 00-0634	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,351.14	114.47
11 68 13 00-0635	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,407.40	114.47
11 68 13 00-0636	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,484.76	114.47
11 68 13 00-0637	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	1,822.32	114.47
11 68 13 00-0638	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	1,836.38	114.47
11 68 13 00-0639	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,166.91	114.47
11 68 13 00-0640	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,180.98	114.47
11 68 13 00-0641	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,117.68	114.47
11 68 13 00-0642	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,152.85	114.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0643	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	2,483.38	114.47
11 68 13 00-0644	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	2,504.47	114.47
11 68 13 00-0645	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	4,163.09	160.25
11 68 13 00-0646	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	3,403.59	160.25
11 68 13 00-0647	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,186.40	91.57
11 68 13 00-0648	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,341.11	91.57
11 68 13 00-0649	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,495.83	91.57
11 68 13 00-0650	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	1,692.74	91.57
11 68 13 00-0651	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	4,056.55	206.04
11 68 13 00-0652	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	5,627.95	68.68
11 68 13 00-0653	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	5,558.52	183.15
11 68 13 00-0654	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	5,558.52	183.15
11 68 13 00-0655	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	5,558.52	183.15
11 68 13 00-0656	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	5,627.95	68.68
11 68 13 00-0657	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	3,542.28	91.57
11 68 13 00-0658	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	7,269.51	91.57
11 68 13 00-0659	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	4,009.43	114.47
11 68 13 00-0660	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	178.81	22.90
11 68 13 00-0661	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	206.94	22.90
11 68 13 00-0662	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	790.64	22.90
11 68 13 00-0663	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	277.26	22.90
11 68 13 00-0664	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	2,479.33	137.35
11 68 13 00-0665	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	2,662.17	137.35
11 68 13 00-0666	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	2,788.76	137.35
11 68 13 00-0667	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	3,048.96	137.35
11 68 13 00-0668	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	2,788.76	137.35
11 68 13 00-0669	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	2,992.70	137.35
11 68 13 00-0670	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,394.39	68.68
11 68 13 00-0671	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	1,985.11	68.68
11 68 13 00-0672	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	2,582.88	68.68
11 68 13 00-0673	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	3,173.61	68.68
11 68 13 00-0674	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,345.16	68.68
11 68 13 00-0675	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	1,542.07	68.68
11 68 13 00-0676	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	1,746.01	68.68
11 68 13 00-0677	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	1,830.40	68.68
11 68 13 00-0678	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	1,612.39	68.68
11 68 13 00-0679	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	1,823.37	68.68
11 68 13 00-0680	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,020.28	68.68
11 68 13 00-0681	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,217.19	68.68
11 68 13 00-0682	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	3,818.50	160.25
11 68 13 00-0683	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	3,916.96	160.25
11 68 13 00-0684	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	3,860.70	160.25
11 68 13 00-0685	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	4,444.39	160.25
11 68 13 00-0686	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	4,542.85	160.25
11 68 13 00-0687	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	4,500.65	160.25
11 68 13 00-0688	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,470.70	114.47
11 68 13 00-0689	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	1,618.38	114.47
11 68 13 00-0690	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	1,773.09	114.47
11 68 13 00-0691	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	1,902.67	137.35
11 68 13 00-0692	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,057.38	137.35
11 68 13 00-0693	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,205.06	137.35
11 68 13 00-0694	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	1,780.12	114.47
11 68 13 00-0695	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	1,920.78	114.47
11 68 13 00-0696	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,082.52	114.47
11 68 13 00-0697	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,017.62	91.57
11 68 13 00-0698	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,327.05	91.57
11 68 13 00-0699	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,186.40	91.57
11 68 13 00-0700	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,284.85	91.57
11 68 13 00-0701	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,495.83	91.57
11 68 13 00-0702	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	1,580.22	91.57
11 68 13 00-0703	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	883.03	61.05
11 68 13 00-0704	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	974.45	61.05
11 68 13 00-0705	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,086.97	61.05
11 68 13 00-0706	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,302.96	68.68
11 68 13 00-0707	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,471.74	68.68
11 68 13 00-0708	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	1,626.46	68.68
11 68 13 00-0709	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	1,837.43	68.68
11 68 13 00-0710	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	1,914.79	68.68
11 68 13 00-0711	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	1,985.11	68.68
11 68 13 00-0712	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,224.22	68.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0713	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	2,301.58	68.68
11 68 13 00-0714	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	1,885.61	114.47
11 68 13 00-0715	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	1,977.04	114.47
11 68 13 00-0716	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	2,584.82	137.35
11 68 13 00-0717	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	2,697.34	137.35
11 68 13 00-0718	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,195.04	114.47
11 68 13 00-0719	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,279.43	114.47
11 68 13 00-0720	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	996.52	91.57
11 68 13 00-0721	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,341.11	91.57
11 68 13 00-0722	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	1,690.72	106.84
11 68 13 00-0723	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,042.34	106.84
11 68 13 00-0724	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	1,629.44	91.57
11 68 13 00-0725	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	1,734.93	91.57
11 68 13 00-0726	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	1,981.07	91.57
11 68 13 00-0727	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,227.21	91.57
11 68 13 00-0728	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	1,945.91	91.57
11 68 13 00-0729	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,044.36	91.57
11 68 13 00-0730	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,290.50	91.57
11 68 13 00-0731	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	2,543.67	91.57
11 68 13 00-0732	EA	Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A)	1,200.82	137.35
11 68 13 00-0733	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,425.50	91.57
11 68 13 00-0734	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	1,558.07	137.35
11 68 13 00-0735	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	6,370.10	366.29
11 68 13 00-0736	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	6,370.10	366.29
11 68 13 00-0737	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,270.79	91.57
11 68 13 00-0738	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,270.79	91.57
11 68 13 00-0739	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,404.40	91.57
11 68 13 00-0740	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,404.40	91.57
11 68 13 00-0741	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	817.72	68.68
11 68 13 00-0742	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	881.01	68.68
11 68 13 00-0743	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	923.21	68.68
11 68 13 00-0744	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	979.47	68.68
11 68 13 00-0745	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,288.90	68.68
11 68 13 00-0746	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,345.16	68.68
11 68 13 00-0747	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,394.39	68.68
11 68 13 00-0748	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,457.68	68.68
11 68 13 00-0749	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,120.12	68.68
11 68 13 00-0750	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,162.31	68.68
11 68 13 00-0751	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,225.61	68.68
11 68 13 00-0752	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,288.90	68.68
11 68 13 00-0753	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	943.26	114.47
11 68 13 00-0754	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	978.42	114.47
11 68 13 00-0755	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,041.71	114.47
11 68 13 00-0756	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,323.01	114.47
11 68 13 00-0757	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,379.27	114.47
11 68 13 00-0758	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,421.47	114.47
11 68 13 00-0759	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,470.70	114.47
11 68 13 00-0760	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	1,519.92	114.47
11 68 13 00-0761	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	1,569.15	114.47
11 68 13 00-0762	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,105.00	114.47
11 68 13 00-0763	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,161.26	114.47
11 68 13 00-0764	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,196.43	114.47
11 68 13 00-0765	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,231.59	114.47
11 68 13 00-0766	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,273.78	114.47
11 68 13 00-0767	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,337.08	114.47
11 68 13 00-0768	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	1,910.74	91.57
11 68 13 00-0769	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,345.16	68.68
11 68 13 00-0770	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	2,697.34	137.35
11 68 13 00-0771	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	674.07	45.78
11 68 13 00-0772	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	1,910.74	91.57
11 68 13 00-0773	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	3,442.78	137.35
11 68 13 00-0774	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	2,729.51	114.47
11 68 13 00-0775	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	2,584.82	137.35
11 68 13 00-0776	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	2,898.29	114.47
11 68 13 00-0777	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	1,864.52	114.47
11 68 13 00-0778	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,187.45	45.78
11 68 13 00-0779	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,159.31	45.78
11 68 13 00-0780	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,222.61	45.78
11 68 13 00-0781	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	941.31	45.78
11 68 13 00-0782	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,307.00	45.78
11 68 13 00-0783	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,046.79	45.78
11 68 13 00-0784	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,335.13	45.78
11 68 13 00-0785	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	2,729.51	114.47
11 68 13 00-0786	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,159.31	45.78
11 68 13 00-0787	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,014.29	22.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0788	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	1,717.88	68.68
11 68 13 00-0789	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,520.97	68.68
11 68 13 00-0790	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,298.92	91.57
11 68 13 00-0791	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,369.24	91.57
11 68 13 00-0792	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	2,571.80	91.57
11 68 13 00-0793	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	2,895.30	91.57
11 68 13 00-0794	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	3,662.73	206.04
11 68 13 00-0795	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	4,664.34	228.93
11 68 13 00-0796	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	10,109.29	457.86
11 68 13 00-0797	EA	16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	5,535.32	274.72
11 68 13 00-0798	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,207.16	45.78
11 68 13 00-0799	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	2,354.84	45.78
11 68 13 00-0800	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	4,290.73	114.47
11 68 13 00-0801	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	5,535.48	114.47
11 68 13 00-0802	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,245.32	68.68
11 68 13 00-0803	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	3,378.44	183.15
11 68 13 00-0804	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	3,912.91	183.15
11 68 13 00-0805	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	333.52	22.90
11 68 13 00-0806	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	494.23	68.68
11 68 13 00-0807	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	606.75	68.68
11 68 13 00-0808	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	480.16	68.68
11 68 13 00-0809	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	3,660.79	137.35
11 68 13 00-0810	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	4,641.31	160.25
11 68 13 00-0811	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A)	5,271.23	137.35
11 68 13 00-0812	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A)	6,452.69	137.35
11 68 13 00-0813	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	3,150.26	320.50
11 68 13 00-0814	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	4,379.90	366.29
11 68 13 00-0815	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	4,379.90	366.29
11 68 13 00-0816	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	3,297.19	45.78
11 68 13 00-0817	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,150.90	45.78
11 68 13 00-0818	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	2,454.20	160.25
11 68 13 00-0819	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	2,733.55	91.57
11 68 13 00-0820	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	3,246.92	91.57
11 68 13 00-0821	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,086.56	91.57
11 68 13 00-0822	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	5,333.48	183.15
11 68 13 00-0823	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	5,333.48	183.15
11 68 13 00-0824	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	5,333.48	183.15
11 68 13 00-0825	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	5,333.48	183.15
11 68 13 00-0826	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	3,403.59	160.25
11 68 13 00-0827	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,009.77	160.25
11 68 13 00-0828	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	3,108.22	160.25
11 68 13 00-0829	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	1,670.67	61.05
11 68 13 00-0830	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	1,586.28	61.05
11 68 13 00-0831	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	1,876.63	45.78
11 68 13 00-0832	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,447.65	45.78
11 68 13 00-0833	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,389.37	61.05
11 68 13 00-0834	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,283.88	61.05
11 68 13 00-0835	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	849.89	45.78
11 68 13 00-0836	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	624.85	45.78
11 68 13 00-0837	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	631.88	45.78
11 68 13 00-0838	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,222.61	45.78
11 68 13 00-0839	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	988.52	61.05
11 68 13 00-0840	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	758.46	45.78
11 68 13 00-0841	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	758.46	45.78
11 68 13 00-0842	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,159.31	45.78
11 68 13 00-0843	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,110.09	45.78
11 68 13 00-0844	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,314.03	45.78
11 68 13 00-0845	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	1,567.20	45.78
11 68 13 00-0846	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,447.65	45.78
11 68 13 00-0847	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	772.53	45.78
11 68 13 00-0848	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,295.93	68.68
11 68 13 00-0849	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,492.84	68.68
11 68 13 00-0850	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	941.31	45.78
11 68 13 00-0851	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,088.99	45.78
11 68 13 00-0852	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	870.98	45.78
11 68 13 00-0853	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	730.33	45.78
11 68 13 00-0854	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	695.17	45.78

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11 68 13 00-0855	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,195.45	83.94
11 68 13 00-0856	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	1,612.39	68.68
11 68 13 00-0857	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,094.01	61.05
11 68 13 00-0858	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	624.85	45.78
11 68 13 00-0859	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	645.94	45.78
11 68 13 00-0860	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	312.43	22.90
11 68 13 00-0861	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	156.92	15.26
11 68 13 00-0862	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	823.77	38.16
11 68 13 00-0863	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	983.50	45.78
11 68 13 00-0864	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	709.23	45.78
11 68 13 00-0865	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	1,799.27	45.78
11 68 13 00-0866	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	1,567.20	45.78
11 68 13 00-0867	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	1,961.02	45.78
11 68 13 00-0868	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	645.94	45.78
11 68 13 00-0869	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	693.15	61.05
11 68 13 00-0870	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	828.79	45.78
11 68 13 00-0871	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	890.06	61.05
11 68 13 00-0872	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	688.14	45.78
11 68 13 00-0873	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	885.05	45.78
11 68 13 00-0874	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	554.52	45.78
11 68 13 00-0875	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	707.22	61.05
11 68 13 00-0876	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	678.12	22.90
11 68 13 00-0877	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	485.08	22.90
11 68 13 00-0878	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	889.09	22.90
11 68 13 00-0879	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,505.93	38.16
11 68 13 00-0880	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	809.71	38.16
11 68 13 00-0881	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,238.69	38.16
11 68 13 00-0882	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	927.24	45.78
11 68 13 00-0883	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,131.19	45.78
11 68 13 00-0884	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,284.51	45.78
11 68 13 00-0885	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	2,458.31	61.05
11 68 13 00-0886	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,419.52	45.78
11 68 13 00-0887	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	721.28	61.05
11 68 13 00-0888	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	876.00	61.05
11 68 13 00-0889	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	925.23	61.05
11 68 13 00-0890	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,079.94	61.05
11 68 13 00-0891	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	772.53	45.78
11 68 13 00-0892	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	976.47	45.78
11 68 13 00-0893	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	488.24	22.90
11 68 13 00-0894	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	187.86	15.26
11 68 13 00-0895	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	208.96	15.26
11 68 13 00-0896	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	268.21	38.16
11 68 13 00-0897	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	261.17	38.16
11 68 13 00-0898	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,406.42	83.94
11 68 13 00-0899	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	599.71	68.68
11 68 13 00-0900	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	557.52	68.68
11 68 13 00-0901	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	723.30	45.78
11 68 13 00-0902	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	1,942.92	68.68
11 68 13 00-0903	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	685.15	22.90
11 68 13 00-0904	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	727.34	22.90
11 68 13 00-0905	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	516.37	22.90
11 68 13 00-0906	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	523.40	22.90
11 68 13 00-0907	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	530.44	22.90
11 68 13 00-0908	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	537.47	22.90
11 68 13 00-0909	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	544.50	22.90
11 68 13 00-0910	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	558.56	22.90
11 68 13 00-0911	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	565.60	22.90
11 68 13 00-0912	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	579.66	22.90
11 68 13 00-0913	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	586.70	22.90
11 68 13 00-0914	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	811.74	22.90
11 68 13 00-0915	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	2,450.15	183.15
11 68 13 00-0916	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	3,455.80	183.15
11 68 13 00-0917	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	2,837.99	137.35
11 68 13 00-0918	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,027.87	137.35
11 68 13 00-0919	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	4,725.69	160.25
11 68 13 00-0920	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	293.35	15.26
11 68 13 00-0921	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	11,682.48	549.44
11 68 13 00-0922	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	3,815.20	457.86
11 68 13 00-0923	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	20,016.74	824.14
11 68 13 00-0924	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	15,607.36	824.14
11 68 13 00-0925	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	14,756.43	824.14
11 68 13 00-0926	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	20,136.29	824.14

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11 68 13 00-0927	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	15,726.91	824.14
11 68 13 00-0928	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	14,883.01	824.14
11 68 13 00-0929	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,025.70	45.78
11 68 13 00-0930	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	983.50	45.78
11 68 13 00-0931	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	955.37	45.78
11 68 13 00-0932	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	776.57	22.90
11 68 13 00-0933	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	2,898.29	114.47
11 68 13 00-0934	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	767.51	38.16
11 68 13 00-0935	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	825.80	22.90
11 68 13 00-0936	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	575.62	45.78
11 68 13 00-0937	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	465.11	38.16
11 68 13 00-0938	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	577.63	38.16
11 68 13 00-0939	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	2,506.41	183.15
11 68 13 00-0940	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	2,843.97	183.15
11 68 13 00-0941	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	2,984.62	183.15
11 68 13 00-0942	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	2,773.65	183.15
11 68 13 00-0943	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	3,104.18	183.15
11 68 13 00-0944	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	3,223.73	183.15
11 68 13 00-0945	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,475.78	45.78
11 68 13 00-0946	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,426.55	45.78
11 68 13 00-0947	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,370.29	45.78
11 68 13 00-0948	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,356.23	45.78
11 68 13 00-0949	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,264.80	45.78
11 68 13 00-0950	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	486.21	38.16
11 68 13 00-0951	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	472.15	38.16
11 68 13 00-0952	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	465.11	38.16
11 68 13 00-0953	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	458.08	38.16
11 68 13 00-0954	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	451.05	38.16
11 68 13 00-0955	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	436.99	38.16
11 68 13 00-0956	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	429.95	38.16
11 68 13 00-0957	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	422.92	38.16
11 68 13 00-0958	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	408.85	38.16
11 68 13 00-0959	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	458.08	38.16
11 68 13 00-0960	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	451.05	38.16
11 68 13 00-0961	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	436.99	38.16
11 68 13 00-0962	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	429.95	38.16
11 68 13 00-0963	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	422.92	38.16
11 68 13 00-0964	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	408.85	38.16
11 68 13 00-0965	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	401.82	38.16
11 68 13 00-0966	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	394.79	38.16
11 68 13 00-0967	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	387.76	38.16
11 68 13 00-0968	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	361.66	22.90
11 68 13 00-0969	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	602.17	22.90
11 68 13 00-0970	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	333.52	22.90
11 68 13 00-0971	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	326.49	22.90
11 68 13 00-0972	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	319.46	22.90
11 68 13 00-0973	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	312.43	22.90
11 68 13 00-0974	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	298.36	22.90
11 68 13 00-0975	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	277.26	22.90
11 68 13 00-0976	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	263.20	22.90
11 68 13 00-0977	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	256.17	22.90
11 68 13 00-0978	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	410.88	22.90
11 68 13 00-0979	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	474.18	22.90
11 68 13 00-0980	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	417.92	22.90
11 68 13 00-0981	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	410.88	22.90
11 68 13 00-0982	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	403.85	22.90
11 68 13 00-0983	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	389.78	22.90
11 68 13 00-0984	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	382.75	22.90
11 68 13 00-0985	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	375.72	22.90
11 68 13 00-0986	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	368.69	22.90
11 68 13 00-0987	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	361.66	22.90
11 68 13 00-0988	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	340.56	22.90
11 68 13 00-0989	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	333.52	22.90
11 68 13 00-0990	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	1,781.46	824.14
11 68 13 00-0991	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	1,788.50	824.14
11 68 13 00-0992	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	1,802.56	824.14
11 68 13 00-0993	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	1,677.32	457.86
11 68 13 00-0994	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	1,635.13	457.86
11 68 13 00-0995	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	1,614.03	457.86
11 68 13 00-0996	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	1,494.48	457.86
11 68 13 00-0997	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	1,466.35	457.86
11 68 13 00-0998	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	551.71	45.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0999	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,432.54	91.57
11 68 13 00-1000	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,235.62	91.57
11 68 13 00-1001	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	2,995.92	137.35
11 68 13 00-1002	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	3,133.35	137.35
11 68 13 00-1003	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	4,228.98	183.15
11 68 13 00-1004	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	3,948.08	183.15
11 68 13 00-1005	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	554.52	45.78
11 68 13 00-1006	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	533.42	45.78
11 68 13 00-1007	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	512.33	45.78
11 68 13 00-1008	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	505.29	45.78
11 68 13 00-1009	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	453.08	22.90
11 68 13 00-1010	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	439.01	22.90
11 68 13 00-1011	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	417.92	22.90
11 68 13 00-1012	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	410.88	22.90
11 68 13 00-1013	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	403.85	22.90
11 68 13 00-1014	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,376.28	91.57
11 68 13 00-1015	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	4,511.59	183.15
11 68 13 00-1016	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	4,228.98	183.15
11 68 13 00-1017	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	4,367.00	183.15
11 68 13 00-1018	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	4,517.71	183.15
11 68 13 00-1019	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	21,091.96	549.44
11 68 13 00-1020	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	11,911.71	366.29
11 68 13 00-1021	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,046.79	45.78
11 68 13 00-1022	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	3,731.11	137.35
11 68 13 00-1023	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	3,351.36	137.35
11 68 13 00-1024	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	4,355.96	183.15
11 68 13 00-1025	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	4,194.21	183.15
11 68 13 00-1026	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	3,745.18	137.35
11 68 13 00-1027	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	3,562.33	137.35
11 68 13 00-1028	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	3,182.58	137.35
11 68 13 00-1029	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	5,150.63	183.15
11 68 13 00-1030	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	554.52	45.78
11 68 13 00-1031	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	828.79	45.78
11 68 13 00-1032	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	920.21	45.78
11 68 13 00-1033	EA	32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,383.31	91.57
11 68 13 00-1034	EA	32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,481.76	91.57
11 68 13 00-1035	EA	32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	1,552.09	91.57
11 68 13 00-1036	EA	32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	1,629.44	91.57
11 68 13 00-1037	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	2,338.68	137.35
11 68 13 00-1038	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,481.76	91.57
11 68 13 00-1039	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,341.11	91.57
11 68 13 00-1040	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,110.09	45.78
11 68 13 00-1041	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	863.95	45.78
11 68 13 00-1042	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	1,629.44	91.57
11 68 13 00-1043	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	863.95	45.78
11 68 13 00-1044	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,234.24	91.57
11 68 13 00-1045	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,213.14	91.57
11 68 13 00-1046	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	6,830.35	228.93
11 68 13 00-1047	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	7,189.01	228.93
11 68 13 00-1048	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	3,632.66	137.35
11 68 13 00-1049	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	4,264.54	183.15
11 68 13 00-1050	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	631.88	45.78
11 68 13 00-1051	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	3,681.89	137.35
11 68 13 00-1052	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	7,280.43	228.93
11 68 13 00-1053	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	2,338.68	137.35
11 68 13 00-1054	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	997.57	45.78
11 68 13 00-1055	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	899.11	45.78
11 68 13 00-1056	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	906.15	45.78
11 68 13 00-1057	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,023.26	91.57
11 68 13 00-1058	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	1,608.35	91.57
11 68 13 00-1059	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	842.85	45.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1060	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	983.50	45.78
11 68 13 00-1061	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	920.21	45.78
11 68 13 00-1062		**Playground Equipment (Landscape Structures® Evos™)** *(11 68 13 00-0040)*		
11 68 13 00-1063	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	765.49	45.78
11 68 13 00-1064	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	899.11	45.78
11 68 13 00-1065	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	3,442.78	137.35
11 68 13 00-1066	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	2,648.11	137.35
11 68 13 00-1067	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	6,264.84	129.72
11 68 13 00-1068	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	4,827.14	183.15
11 68 13 00-1069	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	3,228.82	114.47
11 68 13 00-1070	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	6,684.77	137.35
11 68 13 00-1071	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	1,566.15	91.57
11 68 13 00-1072	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,048.41	68.68
11 68 13 00-1073	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	321.48	15.26
11 68 13 00-1074	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,447.65	45.78
11 68 13 00-1075	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,048.81	38.16
11 68 13 00-1076	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,055.85	38.16
11 68 13 00-1077	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,062.88	38.16
11 68 13 00-1078	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	5,997.52	206.04
11 68 13 00-1079	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	6,199.52	137.35
11 68 13 00-1080	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	2,705.42	91.57
11 68 13 00-1081	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	2,917.44	45.78
11 68 13 00-1082	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	25,452.11	549.44
11 68 13 00-1083	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	28,652.65	824.14
11 68 13 00-1084	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	3,207.57	274.72
11 68 13 00-1085	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,460.66	91.57
11 68 13 00-1086	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,474.73	91.57
11 68 13 00-1087	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	983.50	45.78
11 68 13 00-1088	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	906.15	45.78
11 68 13 00-1089	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	772.53	45.78
11 68 13 00-1090	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	1,601.32	91.57
11 68 13 00-1091	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	828.79	45.78
11 68 13 00-1092	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,334.08	91.57
11 68 13 00-1093	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	519.36	45.78
11 68 13 00-1094	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	716.27	45.78
11 68 13 00-1095	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	927.24	45.78
11 68 13 00-1096	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,170.95	91.57
11 68 13 00-1097	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	2,648.11	137.35
11 68 13 00-1098	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	4,707.58	183.15
11 68 13 00-1099	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	1,931.84	91.57
11 68 13 00-1100	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,107.66	91.57
11 68 13 00-1101	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	29,060.53	824.14
11 68 13 00-1102	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	31,803.21	824.14
11 68 13 00-1103	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	3,372.46	137.35
11 68 13 00-1104	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	6,274.79	228.93
11 68 13 00-1105	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,495.83	91.57
11 68 13 00-1106	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	1,882.62	91.57
11 68 13 00-1107	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	1,882.62	91.57
11 68 13 00-1108		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-0040)*		
11 68 13 00-1109	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	765.49	45.78
11 68 13 00-1110	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	1,967.00	91.57
11 68 13 00-1111		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-0040)*		
11 68 13 00-1112	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	78.95	22.90
11 68 13 00-1113	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	83.17	22.90
11 68 13 00-1114	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	77.54	22.90
11 68 13 00-1115	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	9.04	4.58
11 68 13 00-1116	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	9.04	4.58
11 68 13 00-1117	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	9.04	4.58
11 68 13 00-1118	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	9.04	4.58
11 68 13 00-1119	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	123.96	22.90
11 68 13 00-1120	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	64.49	9.15
11 68 13 00-1121	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	39.17	9.15
11 68 13 00-1122	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	40.58	9.15
11 68 13 00-1123	EA	2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	82.37	11.45
11 68 13 00-1124	EA	3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	82.37	11.45
11 68 13 00-1125	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	9.14	
11 68 13 00-1126	EA	Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	109.10	11.45
11 68 13 00-1127	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	68.71	9.15
11 68 13 00-1128	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	81.76	22.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1129	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	74.03	22.90
11 68 13 00-1130	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	101.45	22.90
11 68 13 00-1131	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	70.51	22.90
11 68 13 00-1132	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	77.54	22.90
11 68 13 00-1133	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	84.57	22.90
11 68 13 00-1134	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	91.61	22.90
11 68 13 00-1135	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	105.67	22.90
11 68 13 00-1136	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	72.62	22.90
11 68 13 00-1137	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	122.55	22.90
11 68 13 00-1138	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	617.81	45.78
11 68 13 00-1139	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	242.10	22.90
11 68 13 00-1140	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	235.07	22.90
11 68 13 00-1141	EA	Nylon Basketball Net (Landscape Structures® 100082A)	38.77	11.45
11 68 13 00-1142	EA	Chain Basketball Net (Landscape Structures® 100083A)	48.62	11.45
11 68 13 00-1143	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,110.09	45.78
11 68 13 00-1144	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	920.21	45.78
11 68 13 00-1145	EA	Warning Label (Landscape Structures® 115176A)	0.14	
11 68 13 00-1146	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	47.82	
11 68 13 00-1147	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	104.08	
11 68 13 00-1148	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	603.75	45.78
11 68 13 00-1149	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	123.96	22.90
11 68 13 00-1150	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	716.27	45.78
11 68 13 00-1151		**Playground Equipment (Landscape Structures® Site Furniture)** *(11 68 13 00-0040)*		
11 68 13 00-1152	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,195.45	83.94
11 68 13 00-1153	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	613.78	68.68
11 68 13 00-1154	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,047.76	83.94
11 68 13 00-1155	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	599.71	68.68
11 68 13 00-1156	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	1,722.88	83.94
11 68 13 00-1157	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	803.65	68.68
11 68 13 00-1158	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,497.84	83.94
11 68 13 00-1159	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	782.56	68.68
11 68 13 00-1160	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	283.25	68.68
11 68 13 00-1161	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	167.92	68.68
11 68 13 00-1162	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	210.72	61.05
11 68 13 00-1163	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	747.39	68.68
11 68 13 00-1164	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	643.93	61.05
11 68 13 00-1165	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	643.93	61.05
11 68 13 00-1166	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	385.74	45.78
11 68 13 00-1167	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	575.62	45.78
11 68 13 00-1168	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	1,879.47	228.93
11 68 13 00-1169	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	1,809.15	228.93
11 68 13 00-1170	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	1,710.69	228.93
11 68 13 00-1171	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	2,350.65	228.93
11 68 13 00-1172	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	2,273.29	228.93
11 68 13 00-1173	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,167.81	228.93
11 68 13 00-1174	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	1,970.89	228.93
11 68 13 00-1175	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	1,879.47	228.93
11 68 13 00-1176	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	1,781.02	228.93
11 68 13 00-1177	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	2,442.07	228.93
11 68 13 00-1178	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	2,350.65	228.93
11 68 13 00-1179	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,238.13	228.93
11 68 13 00-1180	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	613.78	68.68
11 68 13 00-1181	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	677.07	68.68
11 68 13 00-1182	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	663.01	68.68
11 68 13 00-1183	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	726.30	68.68
11 68 13 00-1184	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	909.14	68.68
11 68 13 00-1185	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	845.85	68.68
11 68 13 00-1186	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	965.40	68.68
11 68 13 00-1187	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	902.11	68.68
11 68 13 00-1188	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	127.38	15.26
11 68 13 00-1189	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	631.88	45.78
11 68 13 00-1190	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	645.94	45.78
11 68 13 00-1191	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	406.84	45.78
11 68 13 00-1192	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	427.93	45.78
11 68 13 00-1193	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	645.94	45.78
11 68 13 00-1194	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	674.07	45.78
11 68 13 00-1195	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	427.93	45.78
11 68 13 00-1196	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	456.07	45.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1197	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,465.60	183.15
11 68 13 00-1198	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	1,535.93	183.15
11 68 13 00-1199	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	1,542.96	183.15
11 68 13 00-1200	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	1,648.45	183.15
11 68 13 00-1201	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	1,507.80	183.15
11 68 13 00-1202	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	1,592.19	183.15
11 68 13 00-1203	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,428.57	38.16
11 68 13 00-1204	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,294.95	38.16
11 68 13 00-1205	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,182.43	38.16
11 68 13 00-1206	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	624.85	45.78
11 68 13 00-1207	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	533.42	45.78
11 68 13 00-1208	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	723.30	45.78

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	1,462.47	168.67
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	2,780.22	185.53
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	1,972.53	168.67
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	2,449.13	185.53
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230)	3,122.71	248.04
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230)	4,088.05	272.84
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0008 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	26.42	6.91
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000)	44.03	6.91
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000)	110.52	34.57
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	211.15	15.56
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	903.40	29.39
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	963.82	29.39
11 68 23 13-0015	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	691.06	25.93
11 68 23 13-0016	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	521.89	25.93

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	792.00	117.67
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	969.63	117.67
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	999.23	117.67
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,050.43	117.67
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,232.72	117.67
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	196.17	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	218.30	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	401.38	116.29
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	436.70	116.29
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	918.47	178.93
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	53.28	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 33 13-0001		**Football Goal Posts** *(11 68 33 13)* Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	3,319.23	311.14
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	4,554.13	402.51
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	5,439.64	483.02
11 68 33 23		**Soccer And Field Hockey Equipment** *(11 68 33)*		
11 68 33 23-0001		**Soccer Goal Posts** *(11 68 33 23)* Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR	Regulation Soccer Goal Posts	3,038.98	207.66
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	3,666.81	311.14
11 68 33 33		**Baseball Field Equipment** *(11 68 33)*		
11 68 33 33-0001		**Bases** *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	348.74	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001		**Safety And Tie-Back Anchors** *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0039 for engineering testing and inspection.		
11 81 29 00-0002		**Roof Mounted, Safety And Tie-Back Anchors** *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	471.83	57.31
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	406.69	57.31
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	307.08	59.18
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		**Wall Mounted, Safety And Tie-Back Anchor** *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	333.54	57.31
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	301.95	57.31
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	272.14	59.18
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		**Safety And Tie-Back Anchor Accessories** *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	254.16	

11 90 Other Equipment *(11)*

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001		**Swinging Detention Doors** *(11 98 12)* Note: Excludes hinges or locking mechanisms. As manufactured by American Jail Products.		
11 98 12 00-0002	EA	Heavy Duty Steel Swinging Detention Door Note: Up To 40" W x Up To 90" H	2,031.23	305.83
11 98 12 00-0003	EA	Grating Swinging Detention Door Note: Up To 40" W x Up To 90" H	1,820.47	267.61
11 98 12 00-0004	EA	Woven Swinging Detention Door Note: Up To 40" W x Up To 90" H	1,739.09	229.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0005	EA	Perforated Plate Swinging Detention Door Note: Up To 40" W x Up To 90" H	1,695.96	229.37
11 98 12 00-0006		**Sliding Detention Doors** *(11 98 12)* Note: Excludes sliding mechanisms hardware.		
11 98 12 00-0007	EA	Heavy Duty Steel Sliding Detention Door Note: Up To 40" W x Up To 90" H	2,031.23	305.83
11 98 12 00-0008	EA	Grating Sliding Detention Door Note: Up To 40" W x Up To 90" H	1,820.47	267.61
11 98 12 00-0009	EA	Woven Sliding Detention Door Note: Up To 40" W x Up To 90" H	1,739.09	229.37
11 98 12 00-0010	EA	Perforated Plate Sliding Detention Door Note: Up To 40" W x Up To 90" H	1,695.96	229.37
11 98 12 00-0011		**Frames For Swinging And Sliding Detention Doors** *(11 98 12)* Note: Includes frames for heavy duty steel doors, grating doors, woven doors, and perforated doors.		
11 98 12 00-0012	EA	Frames For Hollow Steel Swinging And Sliding Detention Door Note: Up To 40" W x Up To 90" H	1,188.16	152.92
11 98 12 00-0013		**Detention Door Accessories** *(11 98 12)* See CSI section 02 41 19 13-0016 for torch cutting existing door to prepare for devices.		
11 98 12 00-0014	EA	8" x 16", Welded Observation Panels For Heavy Duty Steel Detention Doors	447.02	101.94
11 98 12 00-0015	EA	Food/Cuff Passes For 1-3/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-1.7) Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	583.42	101.94
		For Security Lock, Add *Note: lock options: Southern Steel Model 1017, Flodeger Adams Model 17, or Midwest Protland Model 17*	*341.25*	
11 98 12 00-0016	EA	Food/Cuff Passes For 2" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.0) Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	591.06	101.94
		For Security Lock, Add *Note: lock options: Southern Steel Model 1017, Flodeger Adams Model 17, or Midwest Protland Model 17*	*341.25*	
11 98 12 00-0017	EA	Food/Cuff Passes For 2-1/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.2) Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	598.70	101.94
		For Security Lock, Add *Note: lock options: Southern Steel Model 1017, Flodeger Adams Model 17, or Midwest Protland Model 17*	*341.25*	
11 98 12 00-0018	EA	Tool Resistant Grating Detention Doors	2,893.93	305.83
11 98 12 00-0019	EA	Food Pass Doors For Grating Detention Doors	360.75	101.94
11 98 12 00-0020	EA	Food Pass Doors For Woven Detention Doors	360.75	101.94
11 98 14		**Detention Door Hardware** *(11 98)*		
11 98 14 00-0001		**Prison Deadlocks and Deadlatches** *(11 98 14)*		
11 98 14 00-0002	EA	Prison Deadlock For Swinging Doors, Keyed One Or Both Sides (Southern Folger 1010A)	496.06	59.28
11 98 14 00-0003	EA	Automatic Prison Deadlock For Sliding Doors, Keyed One Or Both Sides (Southern Folger 1030A)	1,253.06	59.28
11 98 14 00-0004	EA	Keys For Prison Deadlock	25.97	
11 98 14 00-0005	EA	115 Volt AC, Keyed One Side, Motor-Operated Deadlatch (Southern Folger 10120AM)	2,398.87	79.04
11 98 14 00-0006	EA	115 Volt AC, Keyed Both Sides, Motor-Operated Deadlatch (Southern Folger 10120AM)	3,021.12	79.04
11 98 14 00-0007	EA	24 Volt DC, Keyed One Side, Motor-Operated Deadlatch (Southern Folger 10120AM)	2,559.10	79.04
11 98 14 00-0008	EA	24 Volt DC, Keyed Both Sides, Motor-Operated Deadlatch (Southern Folger 10120AM)	3,101.27	79.04
11 98 14 00-0009		**Detention Door Hardware** *(11 98 14)* Note: Includes hardware for all door types and all hardware group types.		
11 98 14 00-0010	EA	Hinges For Detention Door	268.83	39.52
11 98 14 00-0011	EA	Door Closer For Detention Door	420.49	59.28
11 98 14 00-0012	EA	Escutcheon For Detention Door	71.52	9.88
11 98 14 00-0013	EA	Cylinder Shield For Detention Door	71.52	9.88
11 98 14 00-0014	EA	Door Pulls For Detention Door	71.52	9.88
11 98 14 00-0015	EA	Surface Overhead Stop For Detention Door	483.41	69.16
11 98 14 00-0016	EA	Protection Plate For Detention Door	123.28	9.88
11 98 14 00-0017	EA	Astragal For Detention Door	125.79	19.76
11 98 14 00-0018	EA	Floor Stop For Detention Door	70.81	13.83
11 98 21		**Detention Windows** *(11 98)*		
11 98 21 00-0001		**Steel Detention Windows** *(11 98 21)* Note: As manufactured by Hope Windows. Includes finish. Excludes glazing. Demo excludes cut-outs. UI=height + width		
11 98 21 00-0002		**Series S10. Fixed Over Awning Steel Detention Windows** *(11 98 21 00-0001)*		
11 98 21 00-0003	UI	Maximum Security Fixed Over Awning Steel Detention Windows Note: Series S10.	55.09	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0004	UI	Medium Security Fixed Over Awning Steel Detention Windows Note: Series S10.	52.85	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 98 21 00-0005 Series S20. Side Hung Operable Steel Detention Windows *(11 98 21 00-0001)*

11 98 21 00-0006	UI	Maximum Security Side Hung Operable Steel Detention Windows Note: Series S20.	58.37	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0007	UI	Medium Security Side Hung Operable Steel Detention Windows Note: Series S20.	55.95	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

11 98 21 00-0008 Series S30. Fixed Steel Detention Windows *(11 98 21 00-0001)*

11 98 21 00-0009	UI	Maximum Security Fixed Steel Detention Windows Series S30	23.43	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0010	UI	Medium Security Fixed Steel Detention Windows Series S30	22.82	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

11 98 21 00-0011 Series S40. Fixed Guard Frame Steel Detention Windows *(11 98 21 00-0001)*

11 98 21 00-0012	UI	Maximum Security Fixed Guard Frame Steel Detention Windows Note: Series S40.	43.51	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0013	UI	Medium Security Fixed Guard Frame Steel Detention Windows Note: Series S40.	41.80	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

11 98 21 00-0014 Series S41 And S42. Operable Guard Frame Steel Detention Windows *(11 98 21 00-0001)*

11 98 21 00-0015	UI	Maximum Security Operable Guard Frame Steel Detention Windows Note: Series S41 And S42.	64.92	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 21 00-0016	UI	Medium Security Operable Guard Frame Steel Detention Windows Note: Series S41 And S42.	62.16	3.82
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

11 98 23 Detention Window Screens *(11 98)*

11 98 23 00-0001 Detention Window Screens *(11 98 23)*

11 98 23 00-0002	UI	.028 Stainless Steel Detention Screen On Aluminum Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	7.16	0.13
		For 0.047 Stainless Steel Screen, Add	*1.41*	
		For 0.054 Stainless Steel Screen, Add	*2.00*	
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 23 00-0003	UI	.028 Stainless Steel Detention Screen On 12 Gauge Steel Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	7.16	0.13
		For 0.047 Stainless Steel Screen, Add	*1.41*	
		For 0.054 Stainless Steel Screen, Add	*2.00*	
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 23 00-0004	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On Aluminum Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	7.16	0.13
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	
11 98 23 00-0005	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On 12 Gauge Steel Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	7.16	0.13
		For <10, Add	*0.25*	
		For >50, Deduct	*-0.50*	

END OF SECTION 11

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation And Maintenance Of Furnishings (12)

12 01 60 Operation And Maintenance Of Multiple Seating (12 01)

12 01 60 00-0001 Repair Fixed Auditorium Seating (12 01 60)

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	116.59	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	54.95	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	75.80	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	85.73	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	140.65	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	107.77	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	45.18	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	47.38	
12 01 60 00-0010	EA	Secure Seat To Floor	44.53	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	51.19	
		For Epoxy Anchoring, Add	*15.58*	

12 20 Window Treatments (12)

12 21 Window Blinds (12 20)

12 21 13 Horizontal Louver Blinds (12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds (12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds (12 21 13 13)

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	9.60	0.69
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	7.82	0.69
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	8.51	0.69
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	9.88	0.69

12 21 13 33 Plastic Horizontal Louver Blinds (12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds (12 21 13 33)

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	8.10	0.69
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	9.40	0.69

12 21 16 Vertical Louver Blinds (12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds (12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds (12 21 16 13)

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	10.98	1.46

12 21 16 33 Plastic Vertical Louver Blinds (12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds (12 21 16 33)

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	6.93	1.46
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	9.88	1.46

12 24 Window Shades (12 20)

12 24 13 Roller Window Shades (12 24)

12 24 13 00-0001 Roller Window Shades (12 24 13)

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	12.28	0.46
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	12.28	0.46

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	15.77	0.46

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	12.28	0.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,418.89	167.65
		For 16 Gauge Stainless Steel, Add	*232.95*	
		For >5 To 9, Deduct	*-56.88*	
		For >9, Deduct	*-113.77*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	2,339.18	167.65
		For 16 Gauge Stainless Steel, Add	*430.81*	
		For >5 To 9, Deduct	*-105.20*	
		For >9, Deduct	*-210.40*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	2,165.52	167.65
		For 16 Gauge Stainless Steel, Add	*393.48*	
		For >5 To 9, Deduct	*-96.08*	
		For >9, Deduct	*-192.16*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	1,991.87	167.65
		For 16 Gauge Stainless Steel, Add	*356.14*	
		For >5 To 9, Deduct	*-86.97*	
		For >9, Deduct	*-173.93*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	1,932.94	167.65
		For 16 Gauge Stainless Steel, Add	*343.47*	
		For >5 To 9, Deduct	*-83.87*	
		For >9, Deduct	*-167.74*	

12 31 16 00-0009 24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,070.91	181.19
		For 16 Gauge Stainless Steel, Add	*367.28*	
		For >5 To 9, Deduct	*-89.68*	
		For >9, Deduct	*-179.37*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	1,859.02	181.19
		For 16 Gauge Stainless Steel, Add	*321.72*	
		For >5 To 9, Deduct	*-78.56*	
		For >9, Deduct	*-157.12*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,905.41	181.19
		For 16 Gauge Stainless Steel, Add	*331.69*	
		For >5 To 9, Deduct	*-80.99*	
		For >9, Deduct	*-161.99*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,121.07	181.19
		For 16 Gauge Stainless Steel, Add	*378.06*	
		For >5 To 9, Deduct	*-92.32*	
		For >9, Deduct	*-184.63*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,774.92	181.19
		For 16 Gauge Stainless Steel, Add	*518.64*	
		For >5 To 9, Deduct	*-126.64*	
		For >9, Deduct	*-253.29*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	3,055.15	181.19
		For 16 Gauge Stainless Steel, Add	*578.89*	
		For >5 To 9, Deduct	*-141.36*	
		For >9, Deduct	*-282.71*	

12 31 16 00-0016 30" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,812.47	190.93
		For 16 Gauge Stainless Steel, Add	*307.61*	
		For >5 To 9, Deduct	*-75.11*	
		For >9, Deduct	*-150.23*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,662.55	190.93
		For 16 Gauge Stainless Steel, Add	*490.38*	
		For >5 To 9, Deduct	*-119.74*	
		For >9, Deduct	*-239.49*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	3,444.29	190.93
		For 16 Gauge Stainless Steel, Add	*658.45*	
		For >5 To 9, Deduct	*-160.78*	
		For >9, Deduct	*-321.57*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,164.07	190.93
		For 16 Gauge Stainless Steel, Add	*598.20*	
		For >5 To 9, Deduct	*-146.07*	
		For >9, Deduct	*-292.15*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	2,990.42	190.93
		For 16 Gauge Stainless Steel, Add	*560.87*	
		For >5 To 9, Deduct	*-136.96*	
		For >9, Deduct	*-273.91*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	2,285.78	190.93
		For 16 Gauge Stainless Steel, Add	*409.37*	
		For >5 To 9, Deduct	*-99.96*	
		For >9, Deduct	*-199.93*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	2,264.47	190.93
		For 16 Gauge Stainless Steel, Add	*404.79*	
		For >5 To 9, Deduct	*-98.84*	
		For >9, Deduct	*-197.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,006.27	198.52
		For 16 Gauge Stainless Steel, Add	*345.90*	
		For >5 To 9, Deduct	*-84.46*	
		For >9, Deduct	*-168.93*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	2,458.89	198.52
		For 16 Gauge Stainless Steel, Add	*443.22*	
		For >5 To 9, Deduct	*-108.23*	
		For >9, Deduct	*-216.45*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	2,292.14	198.52
		For 16 Gauge Stainless Steel, Add	*407.36*	
		For >5 To 9, Deduct	*-99.47*	
		For >9, Deduct	*-198.95*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,636.21	198.52
		For 16 Gauge Stainless Steel, Add	*696.34*	
		For >5 To 9, Deduct	*-170.04*	
		For >9, Deduct	*-340.07*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	3,356.61	198.52
		For 16 Gauge Stainless Steel, Add	*636.23*	
		For >5 To 9, Deduct	*-155.36*	
		For >9, Deduct	*-310.71*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,105.32	210.97
		For 16 Gauge Stainless Steel, Add	*361.92*	
		For >5 To 9, Deduct	*-88.37*	
		For >9, Deduct	*-176.75*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,834.94	210.97
		For 16 Gauge Stainless Steel, Add	*733.78*	
		For >5 To 9, Deduct	*-179.18*	
		For >9, Deduct	*-358.36*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,554.72	210.97
		For 16 Gauge Stainless Steel, Add	*673.54*	
		For >5 To 9, Deduct	*-164.47*	
		For >9, Deduct	*-328.94*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,264.46	210.97
		For 16 Gauge Stainless Steel, Add	*611.13*	
		For >5 To 9, Deduct	*-149.23*	
		For >9, Deduct	*-298.46*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	2,491.49	210.97
		For 16 Gauge Stainless Steel, Add	*444.94*	
		For >5 To 9, Deduct	*-108.65*	
		For >9, Deduct	*-217.30*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	2,655.74	210.97
		For 16 Gauge Stainless Steel, Add	*480.26*	
		For >5 To 9, Deduct	*-117.27*	
		For >9, Deduct	*-234.54*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	4,023.81	215.85
		For 16 Gauge Stainless Steel, Add	*772.37*	
		For >5 To 9, Deduct	*-188.60*	
		For >9, Deduct	*-377.20*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,744.21	215.85
		For 16 Gauge Stainless Steel, Add	*712.25*	
		For >5 To 9, Deduct	*-173.92*	
		For >9, Deduct	*-347.85*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	2,294.19	215.85
		For 16 Gauge Stainless Steel, Add	*400.50*	
		For >5 To 9, Deduct	*-97.80*	
		For >9, Deduct	*-195.59*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,453.95	215.85
		For 16 Gauge Stainless Steel, Add	*649.85*	
		For >5 To 9, Deduct	*-158.68*	
		For >9, Deduct	*-317.37*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	2,846.49	215.85
		For 16 Gauge Stainless Steel, Add	*519.24*	
		For >5 To 9, Deduct	*-126.79*	
		For >9, Deduct	*-253.58*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	2,801.35	215.85
		For 16 Gauge Stainless Steel, Add	*509.54*	
		For >5 To 9, Deduct	*-124.42*	
		For >9, Deduct	*-248.84*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	2,768.90	222.42
		For 16 Gauge Stainless Steel, Add	*499.72*	
		For >5 To 9, Deduct	*-122.02*	
		For >9, Deduct	*-244.05*	
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,120.72	63.83
		For 16 Gauge Stainless Steel, Add	*213.51*	
		For >5 To 9, Deduct	*-52.14*	
		For >9, Deduct	*-104.27*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,115.07	67.69
		For 16 Gauge Stainless Steel, Add	*210.63*	
		For >5 To 9, Deduct	*-51.43*	
		For >9, Deduct	*-102.86*	

12 31 16 00-0050 18" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,174.30	68.63
		For 16 Gauge Stainless Steel, Add	*222.95*	
		For >5 To 9, Deduct	*-54.44*	
		For >9, Deduct	*-108.88*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,105.97	68.63
		For 16 Gauge Stainless Steel, Add	*208.26*	
		For >5 To 9, Deduct	*-50.85*	
		For >9, Deduct	*-101.71*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,299.24	74.65
		For 16 Gauge Stainless Steel, Add	*247.23*	
		For >5 To 9, Deduct	*-60.37*	
		For >9, Deduct	*-120.74*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,257.24	74.65
		For 16 Gauge Stainless Steel, Add	*238.20*	
		For >5 To 9, Deduct	*-58.16*	
		For >9, Deduct	*-116.33*	

12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	968.85	75.97
		For 16 Gauge Stainless Steel, Add	*175.64*	
		For >5 To 9, Deduct	*-42.89*	
		For >9, Deduct	*-85.78*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,326.18	75.97
		For 16 Gauge Stainless Steel, Add	*252.47*	
		For >5 To 9, Deduct	*-61.65*	
		For >9, Deduct	*-123.30*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,258.48	75.97
		For 16 Gauge Stainless Steel, Add	*237.91*	
		For >5 To 9, Deduct	*-58.10*	
		For >9, Deduct	*-116.19*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,248.68	70.94
		For 16 Gauge Stainless Steel, Add	*237.93*	
		For >5 To 9, Deduct	*-58.10*	
		For >9, Deduct	*-116.20*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,176.59	70.94
		For 16 Gauge Stainless Steel, Add	*222.43*	
		For >5 To 9, Deduct	*-54.31*	
		For >9, Deduct	*-108.63*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	1,514.49	70.94
		For 16 Gauge Stainless Steel, Add	*295.08*	
		For >5 To 9, Deduct	*-72.05*	
		For >9, Deduct	*-144.11*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	886.96	70.94
		For 16 Gauge Stainless Steel, Add	*160.16*	
		For >5 To 9, Deduct	*-39.11*	
		For >9, Deduct	*-78.22*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	834.85	67.69
		For 16 Gauge Stainless Steel, Add	*150.38*	
		For >5 To 9, Deduct	*-36.72*	
		For >9, Deduct	*-73.44*	

12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,726.98	80.69
		For 16 Gauge Stainless Steel, Add	*336.60*	
		For >5 To 9, Deduct	*-82.19*	
		For >9, Deduct	*-164.39*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,562.73	80.69
		For 16 Gauge Stainless Steel, Add	*301.29*	
		For >5 To 9, Deduct	*-73.57*	
		For >9, Deduct	*-147.14*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,040.53	80.69
		For 16 Gauge Stainless Steel, Add	*189.01*	
		For >5 To 9, Deduct	*-46.15*	
		For >9, Deduct	*-92.31*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,643.67	74.27
		For 16 Gauge Stainless Steel, Add	*321.44*	
		For >5 To 9, Deduct	*-78.49*	
		For >9, Deduct	*-156.98*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,479.42	74.27
		For 16 Gauge Stainless Steel, Add	*286.13*	
		For >5 To 9, Deduct	*-69.87*	
		For >9, Deduct	*-139.74*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	957.22	74.27
		For 16 Gauge Stainless Steel, Add	*173.86*	
		For >5 To 9, Deduct	*-42.45*	
		For >9, Deduct	*-84.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	904.89	70.79
		For 16 Gauge Stainless Steel, Add	*164.12*	
		For >5 To 9, Deduct	*-40.08*	
		For >9, Deduct	*-80.15*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,796.30	83.01
		For 16 Gauge Stainless Steel, Add	*350.51*	
		For >5 To 9, Deduct	*-85.59*	
		For >9, Deduct	*-171.18*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,628.30	83.01
		For 16 Gauge Stainless Steel, Add	*314.39*	
		For >5 To 9, Deduct	*-76.77*	
		For >9, Deduct	*-153.54*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,109.85	83.01
		For 16 Gauge Stainless Steel, Add	*202.92*	
		For >5 To 9, Deduct	*-49.55*	
		For >9, Deduct	*-99.10*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,712.35	75.97
		For 16 Gauge Stainless Steel, Add	*335.50*	
		For >5 To 9, Deduct	*-81.92*	
		For >9, Deduct	*-163.85*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,548.73	75.97
		For 16 Gauge Stainless Steel, Add	*300.32*	
		For >5 To 9, Deduct	*-73.33*	
		For >9, Deduct	*-146.67*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,025.90	75.97
		For 16 Gauge Stainless Steel, Add	*187.91*	
		For >5 To 9, Deduct	*-45.89*	
		For >9, Deduct	*-91.77*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	974.76	72.34
		For 16 Gauge Stainless Steel, Add	*178.46*	
		For >5 To 9, Deduct	*-43.58*	
		For >9, Deduct	*-87.16*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,875.93	104.45
		For 16 Gauge Stainless Steel, Add	*358.45*	
		For >5 To 9, Deduct	*-87.53*	
		For >9, Deduct	*-175.06*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,881.54	98.56
		For 16 Gauge Stainless Steel, Add	*362.17*	
		For >5 To 9, Deduct	*-88.44*	
		For >9, Deduct	*-176.87*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,714.79	98.56
		For 16 Gauge Stainless Steel, Add	*326.32*	
		For >5 To 9, Deduct	*-79.68*	
		For >9, Deduct	*-159.37*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,193.83	98.56
		For 16 Gauge Stainless Steel, Add	*214.31*	
		For >5 To 9, Deduct	*-52.33*	
		For >9, Deduct	*-104.67*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,777.89	82.78
		For 16 Gauge Stainless Steel, Add	*346.66*	
		For >5 To 9, Deduct	*-84.65*	
		For >9, Deduct	*-169.30*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,612.39	82.78
		For 16 Gauge Stainless Steel, Add	*311.07*	
		For >5 To 9, Deduct	*-75.96*	
		For >9, Deduct	*-151.92*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,091.43	82.78
		For 16 Gauge Stainless Steel, Add	*199.07*	
		For >5 To 9, Deduct	*-48.61*	
		For >9, Deduct	*-97.22*	

12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	1,645.39	104.45
		For 16 Gauge Stainless Steel, Add	*307.98*	
		For >5 To 9, Deduct	*-75.20*	
		For >9, Deduct	*-150.41*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,949.53	100.73
		For 16 Gauge Stainless Steel, Add	*375.83*	
		For >5 To 9, Deduct	*-91.77*	
		For >9, Deduct	*-183.55*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,785.29	100.73
		For 16 Gauge Stainless Steel, Add	*340.52*	
		For >5 To 9, Deduct	*-83.15*	
		For >9, Deduct	*-166.30*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,263.08	100.73
		For 16 Gauge Stainless Steel, Add	*228.24*	
		For >5 To 9, Deduct	*-55.73*	
		For >9, Deduct	*-111.47*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,845.79	83.55
		For 16 Gauge Stainless Steel, Add	*360.89*	
		For >5 To 9, Deduct	*-88.12*	
		For >9, Deduct	*-176.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,682.17	83.55
		For 16 Gauge Stainless Steel, Add	*325.71*	
		For >5 To 9, Deduct	*-79.53*	
		For >9, Deduct	*-159.07*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,159.33	83.55
		For 16 Gauge Stainless Steel, Add	*213.30*	
		For >5 To 9, Deduct	*-52.09*	
		For >9, Deduct	*-104.17*	

12 31 16 00-0096 Accessories *(12 31 16 00-0001)*

12 31 16 00-0097 Stainless Steel Countertops *(12 31 16 00-0096)*

Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	78.89	4.25
		For 14 Gauge Stainless Steel, Add	*15.55*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	72.30	4.25
		For 14 Gauge Stainless Steel, Add	*14.10*	
12 31 16 00-0100	EA	Cutout For Sink And/Or Faucet In Stainless Steel Countertop	114.58	

12 31 16 00-0101 Stainless Steel Wall Panels *(12 31 16 00-0096)*

12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	26.80	6.34
		For 18 Gauge Stainless Steel, Add	*3.83*	
		For 16 Gauge Stainless Steel, Add	*7.38*	

12 31 16 00-0103 Pedestal Legs *(12 31 16 00-0096)*

12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	245.87	9.68

12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*

12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	267.82	19.10

12 35 Specialty Casework *(12 30)*

12 35 70 Healthcare Casework *(12 35)*

12 35 70 19 Exam Room Casework *(12 35 70)*

12 35 70 19-0001 Medical Exam Room Cabinetwork *(12 35 70 19)*

12 35 70 19-0002 Medical Exam Room Wall Cabinets *(12 35 70 19-0001)*

12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) *(12 35 70 19-0002)*

Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	308.62	23.68
		For Additional Shelf, Add	*27.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.02*	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	335.79	23.68
		For Additional Shelf, Add	*27.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.02*	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	544.31	30.93
		For Additional Shelf, Add	*27.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.31*	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	592.63	32.46
		For Additional Shelf, Add	*27.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.37*	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	654.13	34.76
		For Additional Shelf, Add	*27.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.46*	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	738.90	37.04
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*42.86*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.55*	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	850.30	39.72
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*42.97*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.66*	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	900.16	42.02
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*43.06*	
		For Lock And Inside Latch Combo For Double Doors, Add	*63.75*	

12 35 70 19-0012 Medical Exam Room Base Cabinets *(12 35 70 19-0001)*

12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®) *(12 35 70 19-0012)*

Note: Include polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,028.72	58.43
		For Lock For Single Door/Drawer, Add	*43.71*	
		For Soft Edge Top, Add	*316.88*	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,063.64	58.43
		For Lock For Single Door/Drawer, Add	*43.71*	
		For Soft Edge Top, Add	*316.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	1,192.98	58.43
		For Lock For Single Door/Drawer, Add	*43.71*	
		For Soft Edge Top, Add	*316.88*	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	1,203.33	58.43
		For Lock For Single Door/Drawer, Add	*43.71*	
		For Soft Edge Top, Add	*316.88*	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	1,358.53	58.43
		For Lock For Single Door/Drawer, Add	*43.71*	
		For Soft Edge Top, Add	*316.88*	

12 35 70 19-0019 Medical Exam Room Base Cabinets (Clinton Industries®) *(12 35 70 19-0012)*

Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.

12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)	546.65	95.49
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*45.18*	
		For Lock And Inside Latch Combo For Double Doors, Add	*65.87*	
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	724.77	58.43
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*43.71*	
		For Lock And Inside Latch Combo For Double Doors, Add	*64.40*	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,043.22	65.69
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*44.00*	
		For Lock And Inside Latch Combo For Double Doors, Add	*64.69*	
12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)	1,128.94	71.04
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*44.21*	
		For Lock And Inside Latch Combo For Double Doors, Add	*64.90*	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)	1,232.63	80.21
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*44.58*	
		For Lock And Inside Latch Combo For Double Doors, Add	*65.27*	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)	1,482.07	85.93
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*44.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*65.49*	
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)	1,637.10	91.66
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*45.03*	
		For Lock And Inside Latch Combo For Double Doors, Add	*65.72*	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)	1,749.57	133.68
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*46.70*	
		For Lock And Inside Latch Combo For Double Doors, Add	*67.39*	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)	1,745.56	97.40
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*45.26*	
		For Lock And Inside Latch Combo For Double Doors, Add	*65.95*	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)	2,002.84	141.32
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*27.16*	
		For Lock For Single Door/Drawer, Add	*47.01*	
		For Lock And Inside Latch Combo For Double Doors, Add	*67.70*	

12 35 70 19-0030 Medical Exam Room Cabinet Combinations *(12 35 70 19-0001)*

12 35 70 19-0031 Medical Exam Room Cabinet Combinations (Ritter®) *(12 35 70 19-0030)*

Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.

12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	1,672.58	114.58
		For Locks On Single Drawer And All Doors, Add	*411.66*	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	1,723.03	114.58
		For Locks On Single Drawer And All Doors, Add	*411.66*	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	2,094.55	145.13
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*413.48*	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	2,166.98	145.13
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*413.48*	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	1,929.97	114.58
		For Locks On Single Drawer And All Doors, Add	*411.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	1,981.70	114.58
		For Locks On Single Drawer And All Doors, Add	*411.66*	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	2,505.85	145.13
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*413.48*	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	2,555.00	145.13
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*413.48*	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	2,186.06	114.58
		For Locks On Single Drawer And All Doors, Add	*411.66*	
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	2,240.38	114.58
		For Locks On Single Drawer And All Doors, Add	*411.66*	
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	2,763.23	145.13
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*413.48*	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	2,816.26	145.13
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*413.48*	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	2,475.29	129.86
		For Locks On Single Drawer And All Doors, Add	*412.57*	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	2,524.44	129.86
		For Locks On Single Drawer And All Doors, Add	*412.57*	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	3,051.17	160.41
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*414.39*	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	3,109.37	160.41
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*414.39*	

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	13.32	7.64
12 36 23 13-0003	SF	Plastic Laminate Countertop With Backsplash	17.32	7.64
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	18.92	2.30
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop	63.66	

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Surface Countertops *(12 36 61 16)*

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0002	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash	46.60	7.64
12 36 61 16-0003	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	51.18	7.64
12 36 61 16-0004	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops	16.81	3.25
12 36 61 16-0005	EA	Cutout For Undercounter Sink In Solid Surface Countertop	114.58	
		Note: Not including integral seamed sinks		

12 36 61 19 Quartz Agglomerate Countertops *(12 36 61)*

12 36 61 19-0001 Quartz Agglomerate Countertops *(12 36 61 19)*

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	69.98	16.81
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	84.33	16.81
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	78.32	19.56
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	92.66	19.56
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	12.65	3.25
12 36 61 19-0007	EA	Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop	114.58	

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	593.34	81.00
12 55 13 00-0002	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	507.07	81.00
12 55 13 00-0003	EA	Double Bunk Bed, 75" x 27", Up To 20	933.15	121.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0004	EA	Double Bunk Bed, 75" x 27", Over 20	846.88	121.49

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001	EA	Institutional Desk And Seat, Up To 20	765.88	81.00
12 55 16 00-0002	EA	Institutional Desk And Seat, Over 20	679.61	81.00
12 55 16 00-0003	EA	Institutional Desk, Up To 20	679.61	81.00
12 55 16 00-0004	EA	Institutional Desk, Over 20	593.34	81.00

12 55 19 Detention Stools *(12 55)*

12 55 19 00-0001	EA	Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	207.41	32.40
12 55 19 00-0002	EA	Floor Mounted Stool, 8" x 8" x 20"H, Over 20	221.30	32.40
12 55 19 00-0003	EA	Wall Mounted Swivel Stool, Up To 20	288.05	40.50
12 55 19 00-0004	EA	Wall Mounted Swivel Stool, Over 20	236.29	40.50

12 55 23 Detention Tables *(12 55)*

12 55 23 00-0001	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,217.48	93.14
12 55 23 00-0002	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,044.94	93.14
12 55 23 00-0003	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,578.76	101.24
12 55 23 00-0004	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,406.22	101.24
12 55 23 00-0005	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,285.12	109.35
12 55 23 00-0006	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,940.04	109.35
12 55 23 00-0007	EA	Picnic Table, 72" x 24" Up To 20	1,422.42	109.35
12 55 23 00-0008	EA	Picnic Table, 72" x 24" Over 20	1,249.88	109.35

12 55 26 Detention Safety Clothes Hooks *(12 55)*

12 55 26 00-0001	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	237.33	32.40
12 55 26 00-0002	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	194.19	32.40
12 55 26 00-0003	EA	Safety Clothes Hook, Up To 20	96.84	18.23
12 55 26 00-0004	EA	Safety Clothes Hook, Over 20	114.01	18.23
12 55 26 00-0005	EA	Front Mounted 12" x 16" Stainless Steel Mirror (Acorn 1811)	324.14	35.22
12 55 26 00-0006	EA	Front Mounted Auto-Release Clothes Hook, Acorn 1828	325.44	26.41

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20	466.57	60.75
12 55 86 00-0002	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20	423.43	60.75
12 55 86 00-0003	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates Note: Includes neoprene gaskets, baffle, wire cloth and security screws.	1,083.84	24.29
12 55 86 00-0004	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	471.85	20.25
12 55 86 00-0005	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	231.34	12.15
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	279.06	10.12

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	473.79	33.27
		For >100 To 249, Deduct	*-60.22*	
		For >249 To 749, Deduct	*-72.26*	
		For >749, Deduct	*-80.29*	
		For Up To 9, Add	*654.38*	
		For >9 To 24, Add	*260.95*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	500.14	33.27
		For >100 To 249, Deduct	*-64.17*	
		For >249 To 749, Deduct	*-77.01*	
		For >749, Deduct	*-85.56*	
		For Up To 9, Add	*654.55*	
		For >9 To 24, Add	*260.96*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4)	620.94	33.27
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-82.29*	
		For >249 To 749, Deduct	*-98.75*	
		For >749, Deduct	*-109.72*	
		For Up To 9, Add	*658.33*	
		For >9 To 24, Add	*263.33*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)	647.19	33.27
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	*-86.23*	
		For >249 To 749, Deduct	*-103.47*	
		For >749, Deduct	*-114.97*	
		For Up To 9, Add	*655.34*	
		For >9 To 24, Add	*264.44*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)	412.21	33.27
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-50.98*	
		For >249 To 749, Deduct	*-61.18*	
		For >749, Deduct	*-67.98*	
		For Up To 9, Add	*655.97*	
		For >9 To 24, Add	*261.71*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4)	417.49	33.27
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-51.77*	
		For >249 To 749, Deduct	*-62.13*	
		For >749, Deduct	*-69.03*	
		For Up To 9, Add	*655.80*	
		For >9 To 24, Add	*262.32*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)	440.12	33.27
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-55.17*	
		For >249 To 749, Deduct	*-66.20*	
		For >749, Deduct	*-73.56*	
		For Up To 9, Add	*654.67*	
		For >9 To 24, Add	*261.13*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)	311.44	33.27
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	*-35.87*	
		For >249 To 749, Deduct	*-43.04*	
		For >749, Deduct	*-47.82*	
		For Up To 9, Add	*655.16*	
		For >9 To 24, Add	*263.02*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	351.31	33.27
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	*-41.85*	
		For >249 To 749, Deduct	*-50.22*	
		For >749, Deduct	*-55.80*	
		For Up To 9, Add	*655.60*	
		For >9 To 24, Add	*262.24*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 19 00-0001		**Plywood/Hardwood Audience Seating** *(12 61 19)*		
12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4) Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	484.33	33.27
		For >100 To 249, Deduct	*-61.80*	
		For >249 To 749, Deduct	*-74.16*	
		For >749, Deduct	*-82.40*	
		For Up To 9, Add	*655.08*	
		For >9 To 24, Add	*263.68*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4) Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	526.33	33.27
		For >100 To 249, Deduct	*-68.10*	
		For >249 To 749, Deduct	*-81.72*	
		For >749, Deduct	*-90.80*	
		For Up To 9, Add	*658.30*	
		For >9 To 24, Add	*263.32*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*18.06*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*21.99*	
12 61 21		**Fixed Audience Seating Accessories** *(12 61)*		
12 61 21 00-0001		Fixed Audience Seating Accessories *(12 61 21)*		
12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	168.78	
		For >100 To 249, Deduct	*-24.23*	
		For >249 To 749, Deduct	*-29.08*	
		For >749, Deduct	*-32.31*	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	171.89	
		For >100 To 249, Deduct	*-24.70*	
		For >249 To 749, Deduct	*-29.64*	
		For >749, Deduct	*-32.93*	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	180.00	
		For >100 To 249, Deduct	*-25.92*	
		For >249 To 749, Deduct	*-31.10*	
		For >749, Deduct	*-34.55*	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	168.78	
		For >100 To 249, Deduct	*-24.23*	
		For >249 To 749, Deduct	*-29.08*	
		For >749, Deduct	*-32.31*	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	180.68	
		For >100 To 249, Deduct	*-26.02*	
		For >249 To 749, Deduct	*-31.22*	
		For >749, Deduct	*-34.69*	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	13.92	
12 66		**Telescoping Stands** *(12 60)*		
12 66 13		**Telescoping Bleachers** *(12 66)*		
12 66 13 00-0001		Wall Mounted Telescoping Bleachers *(12 66 13)* Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	181.21	14.90
		For Aluminum Seating And Walks, Add	*64.35*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	206.69	19.42
		For Aluminum Seating And Walks, Add	*74.44*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	234.65	20.02
		For Aluminum Seating And Walks, Add	*85.64*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	255.33	20.48
		For Aluminum Seating And Walks, Add	*93.58*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	186.54	14.90
		For Aluminum Seating And Walks, Add	*66.75*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	217.24	19.42
		For Aluminum Seating And Walks, Add	*79.19*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	248.94	20.02
		For Aluminum Seating And Walks, Add	*92.07*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	273.53	20.48
		For Aluminum Seating And Walks, Add	*101.77*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	191.91	14.90
		For Aluminum Seating And Walks, Add	*69.17*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	227.79	19.42
		For Aluminum Seating And Walks, Add	*83.93*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	263.38	20.02
		For Aluminum Seating And Walks, Add	*98.57*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	309.21	20.48
		For Aluminum Seating And Walks, Add	*109.91*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0014 **Portable Telescoping Bleachers** *(12 66 13)*

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing	202.19	14.90
		For Aluminum Seating And Walks, Add	*73.79*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	231.51	19.42
		For Aluminum Seating And Walks, Add	*85.61*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	263.20	20.02
		For Aluminum Seating And Walks, Add	*98.49*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	286.52	20.48
		For Aluminum Seating And Walks, Add	*107.61*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0019 Options And Accessories *(12 66 13)*

12 66 13 00-0020	EA	Removable Center Railing, Single Sphere	145.75	2.68
12 66 13 00-0021	LF	Removable Center Railing, Single Rail	49.14	2.68
12 66 13 00-0022	EA	Self Storing Side Railing	165.15	3.06
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails	115.21	2.91
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish	10.34	0.77
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish	26.08	0.77
12 66 13 00-0026	SF	Rear Filler Panel	37.96	0.38
12 66 13 00-0027	EA	4' Scorer/Timer Table	304.65	12.99
12 66 13 00-0028	EA	8' Scorer/Timer Table	382.37	19.87
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units	7,225.35	
12 66 13 00-0030	PR	Portable Dolly For Portable Units	8,104.65	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation	2.22	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.11	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non Slip Tread	126.56	22.93
		For Intermediate Steps, Add	*12.66*	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non Slip Tread	348.76	30.56
		For Intermediate Steps, Add	*34.88*	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread	103.34	9.56
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread	74.61	9.56
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing	477.10	28.66
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing	983.29	42.03
12 66 13 00-0039	EA	Portable Operator's Handle	277.56	
12 66 13 00-0040	EA	Vent Grills, One Pair	311.08	22.93

END OF SECTION 12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 20 Special Purpose Rooms *(13)*

13 26 Fabricated Rooms *(13 20)*

13 26 00 00-0001 Protection Padding System *(13 26)*

13 26 00 00-0002	SF	Synthetic Resinous Safety Padding System Note: For cells or detention areas. System includes resinous padding adhered to 7/16" OSB, sealant, finish coat, primer, and all fasteners. Average nominal thickness: Walls 1 1/2", Sloped Floor 1", Flat Floor 1/2".	78.20	7.68

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 19 Metal Building Systems *(13 34)*

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0002 for metal building options.

13 34 19 00-0002 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.

13 34 19 00-0003 Insulation For Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	0.88	0.21
13 34 19 00-0005	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	0.99	0.21
13 34 19 00-0006	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.13	0.28
13 34 19 00-0007	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.32	0.28
13 34 19 00-0008	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.70	0.28
13 34 19 00-0009	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.11	0.21
13 34 19 00-0010	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.22	0.21
13 34 19 00-0011	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.32	0.28
13 34 19 00-0012	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.46	0.28
13 34 19 00-0013	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.77	0.28
13 34 19 00-0014	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.04	0.21
13 34 19 00-0015	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.17	0.21
13 34 19 00-0016	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.41	0.28
13 34 19 00-0017	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.55	0.28
13 34 19 00-0018	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.84	0.28
13 34 19 00-0019	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.96	0.21
13 34 19 00-0020	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.02	0.21
13 34 19 00-0021	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.16	0.28
13 34 19 00-0022	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.46	0.28
13 34 19 00-0023	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	0.97	0.21
13 34 19 00-0024	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.04	0.21
13 34 19 00-0025	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.18	0.28
13 34 19 00-0026	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.50	0.28
13 34 19 00-0027	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.34	0.21
13 34 19 00-0028	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.44	0.21
13 34 19 00-0029	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.58	0.28
13 34 19 00-0030	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.90	0.28

13 34 19 00-0031 Erected Pre-Engineered Metal Buildings *(13 34 19)*

Note: 5/12 Gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge standing seam roof panels. Building span is 80' clear. Includes crane for erection. Excludes foundations, slab, doors, windows or insulation.

13 34 19 00-0032 Maintenance Center Buildings *(13 34 19 00-0031)*

Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0033	SF	2,500 SF And Under Maintenance Center Building, 16' Eave Height	38.54	
13 34 19 00-0034	SF	>2,500 To 5,000 SF Maintenance Center Building, 16' Eave Height	35.86	
13 34 19 00-0035	SF	>5,000 To 7,500 SF Maintenance Center Building, 16' Eave Height	32.77	
13 34 19 00-0036	SF	>7,500 To 10,000 SF Maintenance Center Building, 16' Eave Height	31.15	
13 34 19 00-0037	SF	>10,000 To 15,000 SF Maintenance Center Building, 16' Eave Height	28.89	

13 34 19 00-0038 Erected Pre-Engineered Wood Frame Metal Buildings *(13 34 19)*

Note: 6" Laminated yellow pine timber columns, wood framed webbed trusses 5/12 gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge 2" standing seam roof panels. Building span is 60' clear. Includes concrete piers and crane for erection. Excludes doors, windows or insulation.

13 34 19 00-0039 Wood Frame Equipment Storage Structures *(13 34 19 00-0038)*

Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0040	SF	Up To 2,500 SF Wood Frame Structure, 16' Eave Height	28.48	
13 34 19 00-0041	SF	>2,500 To 5,000 SF Wood Frame Structure, 16' Eave Height	26.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0042	SF	>5,000 To 7,500 SF Wood Frame Structure, 16' Eave Height	24.21	
13 34 19 00-0043	SF	>7,500 To 10,000 SF Wood Frame Structure, 16' Eave Height	23.00	
13 34 19 00-0044	SF	>10,000 To 15,000 SF Wood Frame Structure, 16' Eave Height	21.31	

13 40 Integrated Construction *(13)*

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001 Anodes *(13 47 13 13)*

13 47 13 13-0002 Magnesium Type, Conventional *(13 47 13 13-0001)*

13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	264.19	113.36
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	393.30	163.85
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	540.90	210.79
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	771.69	294.92

13 47 13 13-0007 Graphite Type *(13 47 13 13-0001)*

Note: Includes epoxy cap.

13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	404.11	162.04
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	637.26	226.27
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	488.10	141.60
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	756.37	189.04

13 47 13 13-0012 Rectifiers *(13 47 13 13)*

13 47 13 13-0013 Air Cooled, Silicon Type *(13 47 13 13-0012)*

13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	1,343.54	230.32
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	1,453.70	230.32

13 47 13 13-0016 Oil Immersed, Silicon Type *(13 47 13 13-0012)*

13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,026.89	266.32
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,144.92	266.32

13 47 13 13-0019 Anode Backfill *(13 47 13 13)*

13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	0.78	0.29

13 47 13 13-0021 Cathodic Protection Cable *(13 47 13 13)*

13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	1,473.49	566.41
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	1,624.46	566.41
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	1,850.92	566.41
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	2,228.36	566.41
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	2,755.69	624.07
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	3,038.77	624.07
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	3,510.56	624.07
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	4,754.79	680.27

13 47 13 13-0030 Cathodic Test Stations *(13 47 13 13)*

13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*

13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	212.79	66.38

13 47 13 16 Cathodic Protection For Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, And Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001 Seismic Bracing Assembly *(13 48 53)*

13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	107.07	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	105.74	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	157.36	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	203.19	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	196.00	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	289.84	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	383.69	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	134.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	197.31	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	260.31	

13 48 53 00-0012 Seismic Brace Components *(13 48 53)*

13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1 Note: To be used with 7x19 stranded cable.	20.33	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2 Note: To be used with 7x19 stranded cable.	27.91	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3 Note: To be used with 7x19 stranded cable.	37.01	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4 Note: To be used with 7x19 stranded cable.	50.64	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-1 Note: To be used with angle or channel.	19.09	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-2 Note: To be used with angle or channel.	25.76	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-3 Note: To be used with angle or channel.	33.86	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	45.78	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	23.14	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	30.53	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	42.44	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	40.54	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	56.98	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	77.71	
13 48 53 00-0027	EA	Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	17.17	
13 48 53 00-0028	EA	Seismic Rod Clamp; Mason SRC-1 1/2 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	20.98	
13 48 53 00-0029	EA	Seismic Rod Clamp; Mason SRC-2 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	26.22	

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		MINOR		

14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment (14)

14 01 20 Operation And Maintenance Of Elevators (14 01)

14 01 20 71 Elevator Rehabilitation (14 01 20)

14 01 20 71-0001 Elevator Maintenance (14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	269.95	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	404.92	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	269.95	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	269.95	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	269.95	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	127.21	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	254.42	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	946.97	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	946.97	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	946.97	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	946.97	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	710.22	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	1,893.92	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	1,893.92	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	1,893.92	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	1,893.92	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,420.44	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,582.81	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,582.81	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,582.81	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,582.81	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,582.81	

14 01 20 71-0024 Elevator Modernization (14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	21,438.62	5,802.33
		For Union-Guard Cathotic Protection, Add	*5,713.71*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*6,558.66*	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	24,201.17	7,011.14
		For Union-Guard Cathotic Protection, Add	*5,767.71*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*6,941.66*	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	32,092.75	9,670.55
		For Union-Guard Cathotic Protection, Add	*6,631.79*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*8,804.66*	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Multi-Port Controller Valve	3,493.42	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	34.29	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	339.96	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	2,567.40	483.53
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	2,217.45	483.53
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes buildback.	5,086.57	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes buildback.	5,518.61	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes buildback.	5,364.16	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes buildback.	5,796.20	
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate Note: SF cost not applicable for partial cab flooring.	57.65	13.82
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate Note: SF cost not applicable for partial cab flooring.	49.98	13.82
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	4,150.83	483.53
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	14,813.61	2,417.64
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	1,588.83	483.53
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	323.85	241.76
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	290.36	241.76
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	397.29	241.76
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	1,758.41	483.53
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	405.94	241.76
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	290.36	241.76
14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL)	473.98	241.76
14 01 20 71-0049	EA	Fire Service Key Switch Controller	2,433.47	483.53
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech)	1,162.73	241.76
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL)	5,461.01	967.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL)	5,601.42	967.06
14 01 20 71-0053	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	1,207.01	241.76
14 01 20 71-0054	EA	Car Operating Panel (ADA, Fire, Position, Chime)	5,493.41	967.06
14 01 20 71-0055	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	1,535.37	241.76
14 01 20 71-0056	EA	Car Traveling Lanterns With Audible Signal	1,049.32	241.76
14 01 20 71-0057	EA	Hoistway Door Jamb Floor Tags (Braille)	159.76	120.88
14 01 20 71-0058	EA	Lobby Vandal Resistant Call Station	995.31	241.76
14 01 20 71-0059	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.	12.49	
14 01 20 71-0060	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.	3,868.22	1,934.11
14 01 20 71-0061	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	0.97	
14 01 20 71-0062	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels)	3,610.78	483.53
14 01 20 71-0063	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels)	5,554.96	483.53
14 01 20 71-0064	EA	Removal And Replacement Of Governor	3,416.36	483.53
14 01 20 71-0065	EA	Removal And Replacement Of Car Station	5,493.41	967.06
14 01 20 71-0066	EA	Removal And Replacement Of Telephone	1,162.73	241.76
14 01 20 71-0067	EA	Removal And Replacement Of Lanterns (Hall)	1,103.33	241.76
14 01 20 71-0068	EA	Hall Call Buttons, Vandal Resistant	941.31	241.76
14 01 20 71-0069	EA	Hall Traveling Lanterns With Audible Signal	1,103.33	241.76
14 01 20 71-0070	EA	Add Raised Character (Braille) Signage To Control Panel	133.52	120.88
14 01 20 71-0071	EA	New Microprocessor Based Controller (Non-Proprietary)	26,324.23	3,868.22
14 01 20 71-0072	EA	New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab	16,603.33	3,868.22
14 01 20 71-0073	EA	New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab	25,872.05	3,868.22
14 01 20 71-0074	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangment), Baked Enamel	2,098.64	
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangment), Baked Enamel	2,206.65	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangment), Stainless Steel	2,325.46	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangment), Stainless Steel	2,455.07	
14 01 20 71-0078	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	1,265.34	241.76
14 01 20 71-0079	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	32,126.56	3,868.22
14 01 20 71-0080	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	97.68	
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	98.06	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	98.41	
14 01 20 71-0083	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	5,801.22	483.53
14 01 20 71-0084	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	2,422.67	483.53
14 01 20 71-0085	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	2,476.68	483.53
14 01 20 71-0086	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	2,530.68	483.53
14 01 20 71-0087	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	2,595.49	483.53
14 01 20 71-0088	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	5,230.93	483.53
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	5,230.93	483.53
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	7,391.13	483.53
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	8,471.23	483.53
14 01 20 71-0092	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,017.23	121.38
14 01 20 71-0093	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,162.17	145.65
14 01 20 71-0094	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	4,234.92	169.92
14 01 20 71-0095	EA	Aluminum Handrail Spacers With Set Screw	143.31	120.88
14 01 20 71-0096	EA	Bronze Handrail Spacers With Set Screw	146.31	120.88
14 01 20 71-0097	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	96.31	28.44
14 01 20 71-0098	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	92.79	28.44
14 01 20 71-0099	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	109.25	28.44
14 01 20 71-0100	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	120.40	28.44
14 01 20 71-0101	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	136.99	28.44
14 01 20 71-0102	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	111.33	28.44
14 01 20 71-0103	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	125.97	28.44
14 01 20 71-0104	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	193.18	28.44
14 01 20 71-0105	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	216.42	28.44
14 01 20 71-0106	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	92.23	28.44
14 01 20 71-0107	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	93.13	28.44
14 01 20 71-0108	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	117.46	28.44
14 01 20 71-0109	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	110.29	28.44
14 01 20 71-0110	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	117.94	28.44
14 01 20 71-0111	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	146.46	28.44
14 01 20 71-0112	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	113.92	28.44
14 01 20 71-0113	LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	116.38	28.44
14 01 20 71-0114	LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	191.43	28.44
14 01 20 71-0115	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	127.40	28.44
14 01 20 71-0116	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	191.90	28.44
14 01 20 71-0117	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	216.42	28.44

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM	325,663.00
		For Each Opening With Bonderized Steel Door, Add	*200.00*
		For Each Opening With Stainless Steel Doors, Add	*500.00*
		For Each Opening With Two Speed Doors, Add	*500.00*
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*
		For Stainless Steel Cab Interior, Add	*8,000.00*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-2" Loading, Add	*2,000.00*
		For Removal Of Existing Stop, Add	*6,493.31*
		For Each Additional Stop, Add	*30,230.21*
		For Each Floor < 6 Stops, Deduct	*-26,174.93*
		For Each Additional 50 FPM, Add	*6,000.00*
		For Removal Of Existing Elevator, Add	*32,466.54*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM	370,489.31
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-2" Loading, Add	*4,000.00*
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*
		For Stainless Steel Cab Interior, Add	*9,000.00*
		For Removal Of Existing Stop, Add	*6,493.31*
		For Each Additional Stop, Add	*31,233.28*
		For Each Additional 50 FPM, Add	*6,000.00*
		For Each Opening With Bonderized Steel Door, Add	*300.00*
		For Each Opening With Stainless Steel Doors, Add	*600.00*
		For Each Opening With Two Speed Doors, Add	*700.00*
		For Removal Of Existing Elevator, Add	*32,466.54*
		For Each Floor < 6 Stops, Deduct	*-27,174.93*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM	393,963.33
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Each Additional 50 FPM, Add	*10,000.00*
		For Class "C-2" Loading, Add	*8,000.00*
		For Removal Of Existing Stop, Add	*6,493.31*
		For Each Additional Stop, Add	*31,233.28*
		For Each Opening With Bonderized Steel Door, Add	*400.00*
		For Each Opening With Stainless Steel Doors, Add	*700.00*
		For Each Opening With Two Speed Doors, Add	*800.00*
		For Custom Plastic Laminated Cab Interiors, Add	*6,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*8,000.00*
		For Stainless Steel Cab Interior, Add	*10,000.00*
		For Removal Of Existing Elevator, Add	*32,466.54*
		For Each Floor < 6 Stops, Deduct	*-27,174.93*

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM	267,351.68
		For Each Opening With Bonderized Steel Door, Add	*200.00*
		For Each Opening With Stainless Steel Doors, Add	*500.00*
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*
		For Stainless Steel Cab Interior, Add	*8,000.00*
		For Each Additional 50 FPM, Add	*1,000.00*
		For Removal Of Existing Stop, Add	*3,246.04*
		For Each Additional Stop, Add	*30,230.21*
		For Each Floor < 6 Stops, Deduct	*-18,115.07*
		For Removal Of Existing Elevator, Add	*24,345.32*
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM	268,949.15
		For Each Opening With Bonderized Steel Door, Add	*200.00*
		For Each Opening With Stainless Steel Doors, Add	*500.00*
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*
		For Stainless Steel Cab Interior, Add	*8,000.00*
		For Each Additional 50 FPM, Add	*1,000.00*
		For Removal Of Existing Stop, Add	*3,246.04*
		For Each Additional Stop, Add	*30,230.21*
		For Each Floor < 6 Stops, Deduct	*-18,115.07*
		For Removal Of Existing Elevator, Add	*24,345.32*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM	270,502.33	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,246.04*	
		For Each Additional Stop, Add	*30,230.21*	
		For Each Floor < 6 Stops, Deduct	*-18,115.07*	
		For Removal Of Existing Elevator, Add	*24,345.32*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	171,849.90	
		For Each Additional Stop, Add	*17,242.80*	
		For < 3 Stops, Deduct	*-14,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*2,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-2" Loading, Add	*2,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*6,493.31*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM	176,170.30	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*2,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*18,242.80*	
		For < 3 Stops, Deduct	*-15,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Class "C-2" Loading, Add	*4,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*6,493.31*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	186,434.10	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*18,242.80*	
		For < 3 Stops, Deduct	*-15,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Additional 50 FPM, Add	*10,000.00*	
		For Class "C-2" Loading, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*6,493.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM	198,858.10	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*18,242.80*	
		For < 3 Stops, Deduct	*-15,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*	
		For Stainless Steel Cab Interior, Add	*9,000.00*	
		For Each Additional 50 FPM, Add	*11,000.00*	
		For Class "C-2" Loading, Add	*10,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*6,493.31*	

14 24 13 00-0006 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0007	VLF	Up To 6" Diameter Piston Drilling Note: Includes casing.	64.90	
14 24 13 00-0008	VLF	8" To 10" Diameter Piston Drilling Note: Includes casing.	77.20	

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	114,547.60	
		For Each Additional Stop, Add	*17,242.80*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*16,221.37*	
		For Removal Of Existing Stop, Add	*3,246.04*	
		For < 3 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	116,707.80	
		For Each Additional Stop, Add	*17,242.80*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*16,221.37*	
		For Removal Of Existing Stop, Add	*3,246.04*	
		For < 3 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	123,731.30	
		For Each Additional Stop, Add	*17,242.80*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*16,221.37*	
		For Removal Of Existing Stop, Add	*3,246.04*	
		For < 3 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 5,000 LB x 100 FPM	126,840.15	
		For Each Additional Stop, Add	*17,242.80*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*16,221.37*	
		For Removal Of Existing Stop, Add	*3,246.04*	
		For < 3 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		

14 24 23 00-0006 Twin Jack Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings	63,675.15	7,448.21
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings	48,200.10	6,363.72

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 LB x 30 FPM	57,685.25	
		Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
		For Each Additional Stop, Add	*15,869.98*	
		For Removal Of Existing Elevator, Add	*4,869.98*	

14 40 Lifts *(14)*

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Chair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity	4,116.19	437.71
		Note: Includes top and bottom call button, safety chair, track, and power unit.		
14 42 13 00-0003	EA	Stair Glide, Stairway Lift, Access Industries Commercial Package	6,155.14	311.75
		Note: Complete assembly includes 16' rail, seat, carriage, footrest, obstruction safety panels, locking swivel top and bottom, keyed call/send controls, limit switch, armrest controls, seat belt, lock box, and overspeed brake.		
		For Each Additional Foot Of Rail, Add	*20.00*	

14 42 16 Vertical Wheelchair Lifts *(14 42)*

14 42 16 00-0001 Wheelchair Lift (Shorty) *(14 42 16)*

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	7,726.53	291.81
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	8,115.61	389.08
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	*600.00*	
		For 3,000 LB Capacity, Add	*1,000.00*	
		For 4,000 LB Capacity, Add	*1,500.00*	
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	10,943.08	486.35
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	*600.00*	
		For 3,000 LB Capacity, Add	*1,000.00*	
		For 4,000 LB Capacity, Add	*1,500.00*	
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	12,162.28	486.35
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	*600.00*	
		For 3,000 LB Capacity, Add	*1,000.00*	
		For 4,000 LB Capacity, Add	*1,500.00*	
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	14,009.36	486.35
		Note: 500 LB capacity, interior installation.		

14 42 16 00-0007 Wheelchair Screw Lift *(14 42 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0008	EA	36" x 60" Platform, 750 LB Capacity, Up To 52" Lifting Height Toe Guard Porch Lift (ThyssenKrupp Access PL-TG)	12,607.15	2,188.56
		For Battery Operated System, Add	*1,417.84*	
		For Hydraulic Drive, Add	*1,575.17*	
		For Flush/Surface Mount Paddle Call/Send Controls (Key Operation), Add	*254.61*	
		For Clear Or Bronze Tinted Acrylic Insert In Upper Landing Gate, Add	*193.65*	
		For Clear Or Bronze Tinted Acrylic Insert In Lower Landing Gate, Add	*363.09*	
		For Auto-Opener For Door Or Gate (Per Landing), Add	*1,610.15*	
		For 90 Degree Exit Platform, Add	*1,345.22*	
		For Clear Or Bronze Tinted Acrylic Insert In 42" Guard Panel, Add	*496.22*	
		For ADA Compliant Phone With Emergency Platform Light, Add	*1,150.23*	
		For Special Order Colors (Taupe, Sable Brown, Pearl Gray Or Selected From Sherwin Williams/RAL Colors), Add	*1,851.76*	

END OF SECTION 14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression (21)

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems (21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration (21 01 10)

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping (21 01 10 91)

Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.

21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	44.48

21 01 10 91-0003 Sprinkler Upgrades (21 01 10 91)

21 01 10 91-0004	LF	Purging Existing Lines Of Water	0.38
21 01 10 91-0005	LF	Refill Existing Lines With Water	0.47

21 01 30 Operation and Maintenance of Fire-Suppression Equipment (21 01)

21 01 30 91 Fire-Suppression Equipment Restoration (21 01 30)

21 01 30 91-0001 Inspection And Recharge (21 01 30 91)

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	159.37
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	1.67
21 01 30 91-0004	EA	Inspection, Halon 1301	159.37
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	40.05
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	96.36
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	37.55
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	96.36
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	3.34
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents. See CSI section 23 05 93 00-0046 for testing existing piping systems.	29.65
21 01 30 91-0011	EA	Disarm/Arm System	51.89

21 05 Common Work Results for Fire Suppression (21)

21 05 13 Common Motor Requirements For Fire-Suppression Equipment (21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping (21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping (21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters And Gages For Fire-Suppression Systems (21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge (21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	30.35	8.63
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	31.42	8.63
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	36.44	8.63
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	38.50	8.63
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	40.56	8.63

21 05 19 00-0007 Fire Service Meter Cast Iron Housing (21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	3,851.05	119.74
		For >10 To 25, Deduct	*-192.55*	
		For >25, Deduct	*-562.67*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	7,855.33	200.74
		For >10 To 25, Deduct	*-392.77*	
		For >25, Deduct	*-1,153.14*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	10,637.37	284.52
		For >10 To 25, Deduct	*-531.87*	
		For >25, Deduct	*-1,559.91*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	13,874.08	363.55
		For >10 To 25, Deduct	*-693.70*	
		For >25, Deduct	*-2,035.95*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	19,548.01	442.59
			For >10 To 25, Deduct	*-977.40*	
			For >25, Deduct	*-2,876.88*	

21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls for Fire-Suppresion Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0860 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001 Fire Department Connections *(21 11 19)*

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass		666.70	222.38
		For Polished Chrome, Add		*41.23*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass		926.13	277.97
		For Polished Chrome, Add		*63.10*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass		976.45	222.38
		For Polished Chrome, Add		*79.93*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass		1,289.61	277.97
		For Polished Chrome, Add		*108.54*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass		1,378.46	277.97
		For Polished Chrome, Add		*119.64*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass		1,183.73	294.20
		For Polished Chrome, Add		*92.27*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass		760.42	222.38
		For Polished Chrome, Add		*52.94*	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 14 19 00-0162 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	1,243.38	200.74

21 12 Fire-Suppression Standpipes *(21 10)*

21 12 13 Fire-Suppression Hoses And Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.90	1.48
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.21	1.48
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.02	1.48
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.36	1.48
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.12	1.48
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.61	1.48
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.18	1.48
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.76	1.48

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.01	0.82
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	6.29	0.97
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	10.78	0.97

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	88.90	24.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	130.72	27.42
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	59.69	19.27
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	116.07	19.27
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	92.53	19.27
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	132.14	19.27
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	207.39	81.54
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	284.25	81.54

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	460.05	147.10
		For Polished Chrome, Add	*35.59*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	740.91	147.04
		For Polished Chrome, Add	*77.72*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	955.67	159.05
		For Polished Chrome, Add	*107.19*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	1,145.63	147.04
		For Polished Chrome, Add	*138.43*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	1,345.73	159.05
		For Polished Chrome, Add	*165.70*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	697.89	147.04
		For Polished Chrome, Add	*71.27*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,023.12	159.05
		For Polished Chrome, Add	*117.31*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,310.24	151.80
		For Polished Chrome, Add	*129.63*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,875.93	168.65
		For Polished Chrome, Add	*194.44*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,407.02	151.80
		For Polished Chrome, Add	*141.24*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	2,021.75	168.65
		For Polished Chrome, Add	*211.94*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	3,439.41	202.35
		For Polished Chrome, Add	*313.27*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	138.22	20.02
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	164.08	20.02
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	154.68	20.02
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	180.54	20.02
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	245.28	33.36
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	282.89	33.36
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	286.03	33.36
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	323.64	33.36

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,404.86	364.65
21 12 29 00-0003	EA	Water Motor Gong	497.22	113.69
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	382.74	13.23
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	148.97	22.62

21 12 29 00-0006 Water Flow Detector *(21 12 29)*

21 12 29 00-0007 Pressure-Type Wazter Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	245.23	69.62
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	354.45	92.25
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	541.79	104.43

21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	302.59	69.62
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	424.71	92.25
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	653.17	104.43

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems *(21 13 13)*

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	310.65	
		For Copper Pipe, Add	*37.09*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-52.62*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*143.27*	
		For >5 To 10, Add	*90.65*	
		For >10 To 20, Add	*59.58*	
		For >20 To 40, Add	*25.04*	
		For >100 To 150, Deduct	*-31.07*	
		For >150, Deduct	*-62.13*	
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	410.34	
		For Copper Pipe, Add	*47.55*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-68.07*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*192.13*	
		For >5 To 10, Add	*124.06*	
		For >10 To 20, Add	*83.03*	
		For >20 To 40, Add	*34.52*	
		For >100 To 150, Deduct	*-41.03*	
		For >150, Deduct	*-82.07*	

21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems *(21 13 13 00-0001)*

21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	309.48	
		For Copper Pipe, Add	*37.03*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-52.50*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*142.58*	
		For >5 To 10, Add	*90.07*	
		For >10 To 20, Add	*59.12*	
		For >20 To 40, Add	*24.87*	
		For >100 To 150, Deduct	*-30.95*	
		For >150, Deduct	*-61.90*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	406.72	
		For Copper Pipe, Add	*47.20*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-67.53*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*190.31*	
		For >5 To 10, Add	*122.78*	
		For >10 To 20, Add	*82.11*	
		For >20 To 40, Add	*34.15*	
		For >100 To 150, Deduct	*-40.67*	
		For >150, Deduct	*-81.34*	

21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler Systems *(21 13 13 00-0001)*

21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	286.36	
		For Copper Pipe, Add	*34.21*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-48.53*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*132.04*	
		For >5 To 10, Add	*83.51*	
		For >10 To 20, Add	*54.88*	
		For >20 To 40, Add	*23.07*	
		For >100 To 150, Deduct	*-28.64*	
		For >150, Deduct	*-57.27*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	377.05	
		For Copper Pipe, Add	*43.69*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-62.54*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Up To 5, Add	*176.56*	
		For >5 To 10, Add	*114.02*	
		For >10 To 20, Add	*76.31*	
		For >20 To 40, Add	*31.72*	
		For >100 To 150, Deduct	*-37.71*	
		For >150, Deduct	*-75.41*	

21 13 13 00-0011 Wet Pipe Sprinkler Components *(21 13 13)*

Note: Excludes hydraulic calculations.

21 13 13 00-0012 Wet Pipe Alarm Check Valves *(21 13 13 00-0011)*

Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.

21 13 13 00-0013	EA	2-1/2" Wet Pipe Alarm Check Valve	1,031.45	95.73
21 13 13 00-0014	EA	3" Wet Pipe Alarm Check Valve	1,059.30	109.64
21 13 13 00-0015	EA	4" Wet Pipe Alarm Check Valve	1,212.45	186.23
21 13 13 00-0016	EA	6" Wet Pipe Alarm Check Valve	1,194.08	234.96
21 13 13 00-0017	EA	8" Wet Pipe Alarm Check Valve	2,080.73	297.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0018		**Wet Pipe Valve Trim** *(21 13 13 00-0011)* Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Wet Pipe Valve Trim	937.65	202.59
21 13 13 00-0020	EA	3" Wet Pipe Valve Trim	986.65	202.59
21 13 13 00-0021	EA	4" Wet Pipe Valve Trim	1,200.47	277.77
21 13 13 00-0022	EA	6" Wet Pipe Valve Trim	1,430.47	386.38
21 13 13 00-0023	EA	8" Wet Pipe Valve Trim	1,583.63	478.27
21 13 13 00-0024		**Wet Pipe Sprinkler Heads** *(21 13 13 00-0011)*		
21 13 13 00-0025		**Upright Wet Pipe Sprinkler Heads** *(21 13 13 00-0024)*		
21 13 13 00-0026	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	51.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 500, Deduct	*-7.26*	
		For >500 To 1,000, Deduct	*-14.92*	
		For >1,000, Deduct	*-21.59*	
21 13 13 00-0027	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	53.23	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 500, Deduct	*-7.49*	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000, Deduct	*-21.92*	
21 13 13 00-0028	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	54.40	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 500, Deduct	*-7.63*	
		For >500 To 1,000, Deduct	*-15.46*	
		For >1,000, Deduct	*-22.14*	
21 13 13 00-0029	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	52.31	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.37*	
		For >500 To 1,000, Deduct	*-15.09*	
		For >1,000, Deduct	*-21.76*	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	54.22	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 500, Deduct	*-7.61*	
		For >500 To 1,000, Deduct	*-15.43*	
		For >1,000, Deduct	*-22.10*	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	55.44	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 500, Deduct	*-7.76*	
		For >500 To 1,000, Deduct	*-15.65*	
		For >1,000, Deduct	*-22.32*	
21 13 13 00-0032	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	64.34	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 500, Deduct	*-8.88*	
		For >500 To 1,000, Deduct	*-17.25*	
		For >1,000, Deduct	*-23.92*	
21 13 13 00-0033	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	69.26	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.13*	
		For >100 To 500, Deduct	*-9.49*	
		For >500 To 1,000, Deduct	*-18.14*	
		For >1,000, Deduct	*-24.81*	
21 13 13 00-0034	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	64.34	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 500, Deduct	*-8.88*	
		For >500 To 1,000, Deduct	*-17.25*	
		For >1,000, Deduct	*-23.92*	
21 13 13 00-0035	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	69.26	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.13*	
		For >100 To 500, Deduct	*-9.49*	
		For >500 To 1,000, Deduct	*-18.14*	
		For >1,000, Deduct	*-24.81*	
21 13 13 00-0036	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	57.97	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.08*	
		For >500 To 1,000, Deduct	*-16.11*	
		For >1,000, Deduct	*-22.78*	
21 13 13 00-0037	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	60.37	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.69*	
		For >100 To 500, Deduct	*-8.38*	
		For >500 To 1,000, Deduct	*-16.54*	
		For >1,000, Deduct	*-23.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	58.99	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.80*	
		For >100 To 500, Deduct	*-8.30*	
		For >500 To 1,000, Deduct	*-16.92*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	61.80	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 500, Deduct	*-8.65*	
		For >500 To 1,000, Deduct	*-17.42*	
		For >1,000, Deduct	*-24.84*	
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	62.37	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 500, Deduct	*-8.72*	
		For >500 To 1,000, Deduct	*-17.53*	
		For >1,000, Deduct	*-24.94*	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	58.99	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.80*	
		For >100 To 500, Deduct	*-8.30*	
		For >500 To 1,000, Deduct	*-16.92*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	61.80	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 500, Deduct	*-8.65*	
		For >500 To 1,000, Deduct	*-17.42*	
		For >1,000, Deduct	*-24.84*	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	62.37	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 500, Deduct	*-8.72*	
		For >500 To 1,000, Deduct	*-17.53*	
		For >1,000, Deduct	*-24.94*	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	56.70	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-15.88*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	58.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.59*	
		For >100 To 500, Deduct	*-8.15*	
		For >500 To 1,000, Deduct	*-16.21*	
		For >1,000, Deduct	*-22.88*	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	58.89	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-22.94*	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	56.70	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-15.88*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	58.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.59*	
		For >100 To 500, Deduct	*-8.15*	
		For >500 To 1,000, Deduct	*-16.21*	
		For >1,000, Deduct	*-22.88*	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	58.89	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-22.94*	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	58.88	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.19*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-22.94*	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	78.69	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.79*	
		For >100 To 500, Deduct	*-10.76*	
		For >500 To 1,000, Deduct	*-20.46*	
		For >1,000, Deduct	*-27.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	80.80	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.89*	
		For >100 To 500, Deduct	*-11.03*	
		For >500 To 1,000, Deduct	*-20.84*	
		For >1,000, Deduct	*-28.26*	
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	80.80	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.89*	
		For >100 To 500, Deduct	*-11.03*	
		For >500 To 1,000, Deduct	*-20.84*	
		For >1,000, Deduct	*-28.26*	
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	64.44	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.08*	
		For >100 To 500, Deduct	*-8.98*	
		For >500 To 1,000, Deduct	*-17.90*	
		For >1,000, Deduct	*-25.31*	
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	65.89	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 500, Deduct	*-9.16*	
		For >500 To 1,000, Deduct	*-18.16*	
		For >1,000, Deduct	*-25.57*	
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	65.89	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 500, Deduct	*-9.16*	
		For >500 To 1,000, Deduct	*-18.16*	
		For >1,000, Deduct	*-25.57*	
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	183.84	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-10.86*	
		For >100 To 500, Deduct	*-23.81*	
		For >500 To 1,000, Deduct	*-38.76*	
		For >1,000, Deduct	*-45.43*	
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	202.45	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-11.98*	
		For >100 To 500, Deduct	*-26.23*	
		For >500 To 1,000, Deduct	*-42.74*	
		For >1,000, Deduct	*-50.15*	
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	99.25	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.63*	
		For >100 To 500, Deduct	*-13.24*	
		For >500 To 1,000, Deduct	*-23.54*	
		For >1,000, Deduct	*-30.21*	
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	121.29	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 500, Deduct	*-16.00*	
		For >500 To 1,000, Deduct	*-27.50*	
		For >1,000, Deduct	*-34.18*	
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	213.44	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-12.34*	
		For >100 To 500, Deduct	*-27.51*	
		For >500 To 1,000, Deduct	*-44.09*	
		For >1,000, Deduct	*-50.76*	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	270.88	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-15.21*	
		For >100 To 500, Deduct	*-34.69*	
		For >500 To 1,000, Deduct	*-54.43*	
		For >1,000, Deduct	*-61.10*	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	124.99	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 500, Deduct	*-16.55*	
		For >500 To 1,000, Deduct	*-28.80*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	125.66	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 500, Deduct	*-16.63*	
		For >500 To 1,000, Deduct	*-28.92*	
		For >1,000, Deduct	*-36.33*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	51.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 500, Deduct	*-7.26*	
		For >500 To 1,000, Deduct	*-14.92*	
		For >1,000, Deduct	*-21.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	53.23	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 500, Deduct	*-7.49*	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000, Deduct	*-21.92*	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	54.40	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 500, Deduct	*-7.63*	
		For >500 To 1,000, Deduct	*-15.46*	
		For >1,000, Deduct	*-22.14*	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	59.65	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.84*	
		For >100 To 500, Deduct	*-8.38*	
		For >500 To 1,000, Deduct	*-17.04*	
		For >1,000, Deduct	*-24.45*	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	61.80	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 500, Deduct	*-8.65*	
		For >500 To 1,000, Deduct	*-17.42*	
		For >1,000, Deduct	*-24.84*	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	62.13	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.96*	
		For >100 To 500, Deduct	*-8.69*	
		For >500 To 1,000, Deduct	*-17.48*	
		For >1,000, Deduct	*-24.90*	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	183.84	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-10.86*	
		For >100 To 500, Deduct	*-23.81*	
		For >500 To 1,000, Deduct	*-38.76*	
		For >1,000, Deduct	*-45.43*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	51.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 500, Deduct	*-7.26*	
		For >500 To 1,000, Deduct	*-14.92*	
		For >1,000, Deduct	*-21.59*	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	53.23	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 500, Deduct	*-7.49*	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000, Deduct	*-21.92*	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	54.40	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 500, Deduct	*-7.63*	
		For >500 To 1,000, Deduct	*-15.46*	
		For >1,000, Deduct	*-22.14*	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	58.99	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.80*	
		For >100 To 500, Deduct	*-8.30*	
		For >500 To 1,000, Deduct	*-16.92*	
		For >1,000, Deduct	*-24.33*	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	61.80	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 500, Deduct	*-8.65*	
		For >500 To 1,000, Deduct	*-17.42*	
		For >1,000, Deduct	*-24.84*	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	62.37	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 500, Deduct	*-8.72*	
		For >500 To 1,000, Deduct	*-17.53*	
		For >1,000, Deduct	*-24.94*	
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	56.70	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-15.88*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	58.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.59*	
		For >100 To 500, Deduct	*-8.15*	
		For >500 To 1,000, Deduct	*-16.21*	
		For >1,000, Deduct	*-22.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	58.89	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-22.94*	
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	56.70	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-15.88*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	58.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.59*	
		For >100 To 500, Deduct	*-8.15*	
		For >500 To 1,000, Deduct	*-16.21*	
		For >1,000, Deduct	*-22.88*	
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	58.89	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-22.94*	
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	56.70	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-15.88*	
		For >1,000, Deduct	*-22.55*	
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	58.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.59*	
		For >100 To 500, Deduct	*-8.15*	
		For >500 To 1,000, Deduct	*-16.21*	
		For >1,000, Deduct	*-22.88*	
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	58.89	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.20*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000, Deduct	*-22.94*	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	51.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 500, Deduct	*-7.26*	
		For >500 To 1,000, Deduct	*-14.92*	
		For >1,000, Deduct	*-21.59*	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	53.23	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 500, Deduct	*-7.49*	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000, Deduct	*-21.92*	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	54.40	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 500, Deduct	*-7.63*	
		For >500 To 1,000, Deduct	*-15.46*	
		For >1,000, Deduct	*-22.14*	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	52.32	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 500, Deduct	*-7.37*	
		For >500 To 1,000, Deduct	*-15.09*	
		For >1,000, Deduct	*-21.76*	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	53.62	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 500, Deduct	*-7.54*	
		For >500 To 1,000, Deduct	*-15.32*	
		For >1,000, Deduct	*-21.99*	
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	54.80	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 500, Deduct	*-7.68*	
		For >500 To 1,000, Deduct	*-15.54*	
		For >1,000, Deduct	*-22.21*	
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	60.73	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 500, Deduct	*-8.52*	
		For >500 To 1,000, Deduct	*-17.23*	
		For >1,000, Deduct	*-24.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	63.11	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 500, Deduct	*-8.82*	
		For >500 To 1,000, Deduct	*-17.66*	
		For >1,000, Deduct	*-25.07*	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	63.11	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 500, Deduct	*-8.82*	
		For >500 To 1,000, Deduct	*-17.66*	
		For >1,000, Deduct	*-25.07*	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	57.97	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.08*	
		For >500 To 1,000, Deduct	*-16.11*	
		For >1,000, Deduct	*-22.78*	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	60.37	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.69*	
		For >100 To 500, Deduct	*-8.38*	
		For >500 To 1,000, Deduct	*-16.54*	
		For >1,000, Deduct	*-23.21*	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	63.97	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.87*	
		For >100 To 500, Deduct	*-8.83*	
		For >500 To 1,000, Deduct	*-17.19*	
		For >1,000, Deduct	*-23.86*	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	67.91	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.06*	
		For >100 To 500, Deduct	*-9.32*	
		For >500 To 1,000, Deduct	*-17.90*	
		For >1,000, Deduct	*-24.57*	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	63.97	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.87*	
		For >100 To 500, Deduct	*-8.83*	
		For >500 To 1,000, Deduct	*-17.19*	
		For >1,000, Deduct	*-23.86*	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	67.91	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.06*	
		For >100 To 500, Deduct	*-9.32*	
		For >500 To 1,000, Deduct	*-17.90*	
		For >1,000, Deduct	*-24.57*	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	54.86	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 500, Deduct	*-7.69*	
		For >500 To 1,000, Deduct	*-15.55*	
		For >1,000, Deduct	*-22.22*	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	56.92	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.51*	
		For >100 To 500, Deduct	*-7.95*	
		For >500 To 1,000, Deduct	*-15.92*	
		For >1,000, Deduct	*-22.59*	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	58.01	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.09*	
		For >500 To 1,000, Deduct	*-16.11*	
		For >1,000, Deduct	*-22.79*	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	59.86	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.85*	
		For >100 To 500, Deduct	*-8.41*	
		For >500 To 1,000, Deduct	*-17.08*	
		For >1,000, Deduct	*-24.49*	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	61.90	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.95*	
		For >100 To 500, Deduct	*-8.66*	
		For >500 To 1,000, Deduct	*-17.44*	
		For >1,000, Deduct	*-24.85*	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	63.88	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.05*	
		For >100 To 500, Deduct	*-8.91*	
		For >500 To 1,000, Deduct	*-17.80*	
		For >1,000, Deduct	*-25.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	56.03	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.47*	
		For >100 To 500, Deduct	*-7.84*	
		For >500 To 1,000, Deduct	*-15.76*	
		For >1,000, Deduct	*-22.43*	
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	58.05	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.09*	
		For >500 To 1,000, Deduct	*-16.12*	
		For >1,000, Deduct	*-22.79*	
21 13 13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	59.16	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 500, Deduct	*-8.23*	
		For >500 To 1,000, Deduct	*-16.32*	
		For >1,000, Deduct	*-22.99*	
21 13 13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	60.73	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 500, Deduct	*-8.52*	
		For >500 To 1,000, Deduct	*-17.23*	
		For >1,000, Deduct	*-24.64*	
21 13 13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	62.86	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 500, Deduct	*-8.78*	
		For >500 To 1,000, Deduct	*-17.62*	
		For >1,000, Deduct	*-25.03*	
21 13 13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	64.91	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.10*	
		For >100 To 500, Deduct	*-9.04*	
		For >500 To 1,000, Deduct	*-17.98*	
		For >1,000, Deduct	*-25.40*	
21 13 13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	88.22	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 500, Deduct	*-11.86*	
		For >500 To 1,000, Deduct	*-21.55*	
		For >1,000, Deduct	*-28.22*	
21 13 13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	88.22	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 500, Deduct	*-11.86*	
		For >500 To 1,000, Deduct	*-21.55*	
		For >1,000, Deduct	*-28.22*	
21 13 13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	66.55	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.18*	
		For >100 To 500, Deduct	*-9.25*	
		For >500 To 1,000, Deduct	*-18.28*	
		For >1,000, Deduct	*-25.69*	
21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	68.11	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.26*	
		For >100 To 500, Deduct	*-9.44*	
		For >500 To 1,000, Deduct	*-18.56*	
		For >1,000, Deduct	*-25.97*	
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	68.11	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.26*	
		For >100 To 500, Deduct	*-9.44*	
		For >500 To 1,000, Deduct	*-18.56*	
		For >1,000, Deduct	*-25.97*	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	64.44	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.08*	
		For >100 To 500, Deduct	*-8.98*	
		For >500 To 1,000, Deduct	*-17.90*	
		For >1,000, Deduct	*-25.31*	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	65.89	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 500, Deduct	*-9.16*	
		For >500 To 1,000, Deduct	*-18.16*	
		For >1,000, Deduct	*-25.57*	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	65.89	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 500, Deduct	*-9.16*	
		For >500 To 1,000, Deduct	*-18.16*	
		For >1,000, Deduct	*-25.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	183.84	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-10.86*	
		For >100 To 500, Deduct	*-23.81*	
		For >500 To 1,000, Deduct	*-38.76*	
		For >1,000, Deduct	*-45.43*	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	202.45	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-11.98*	
		For >100 To 500, Deduct	*-26.23*	
		For >500 To 1,000, Deduct	*-42.74*	
		For >1,000, Deduct	*-50.15*	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	99.25	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.63*	
		For >100 To 500, Deduct	*-13.24*	
		For >500 To 1,000, Deduct	*-23.54*	
		For >1,000, Deduct	*-30.21*	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	121.29	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 500, Deduct	*-16.00*	
		For >500 To 1,000, Deduct	*-27.50*	
		For >1,000, Deduct	*-34.18*	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	213.44	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-12.34*	
		For >100 To 500, Deduct	*-27.51*	
		For >500 To 1,000, Deduct	*-44.09*	
		For >1,000, Deduct	*-50.76*	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	270.88	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-15.21*	
		For >100 To 500, Deduct	*-34.69*	
		For >500 To 1,000, Deduct	*-54.43*	
		For >1,000, Deduct	*-61.10*	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	124.99	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 500, Deduct	*-16.55*	
		For >500 To 1,000, Deduct	*-28.80*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	125.66	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 500, Deduct	*-16.63*	
		For >500 To 1,000, Deduct	*-28.92*	
		For >1,000, Deduct	*-36.33*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	54.14	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 500, Deduct	*-7.60*	
		For >500 To 1,000, Deduct	*-15.42*	
		For >1,000, Deduct	*-22.09*	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	55.61	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 500, Deduct	*-7.79*	
		For >500 To 1,000, Deduct	*-15.68*	
		For >1,000, Deduct	*-22.35*	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	57.94	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 500, Deduct	*-8.08*	
		For >500 To 1,000, Deduct	*-16.10*	
		For >1,000, Deduct	*-22.77*	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	54.97	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.42*	
		For >100 To 500, Deduct	*-7.71*	
		For >500 To 1,000, Deduct	*-15.57*	
		For >1,000, Deduct	*-22.24*	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	56.47	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.49*	
		For >100 To 500, Deduct	*-7.89*	
		For >500 To 1,000, Deduct	*-15.84*	
		For >1,000, Deduct	*-22.51*	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	58.84	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-8.19*	
		For >500 To 1,000, Deduct	*-16.26*	
		For >1,000, Deduct	*-22.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	60.37	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.69*	
		For >100 To 500, Deduct	*-8.38*	
		For >500 To 1,000, Deduct	*-16.54*	
		For >1,000, Deduct	*-23.21*	
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	62.77	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.68*	
		For >500 To 1,000, Deduct	*-16.97*	
		For >1,000, Deduct	*-23.64*	
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	65.29	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.12*	
		For >100 To 500, Deduct	*-9.09*	
		For >500 To 1,000, Deduct	*-18.05*	
		For >1,000, Deduct	*-25.46*	
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	68.87	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 500, Deduct	*-9.54*	
		For >500 To 1,000, Deduct	*-18.70*	
		For >1,000, Deduct	*-26.11*	
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	65.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 500, Deduct	*-9.03*	
		For >500 To 1,000, Deduct	*-17.47*	
		For >1,000, Deduct	*-24.14*	
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	67.91	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.06*	
		For >100 To 500, Deduct	*-9.32*	
		For >500 To 1,000, Deduct	*-17.90*	
		For >1,000, Deduct	*-24.57*	
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	65.53	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 500, Deduct	*-9.03*	
		For >500 To 1,000, Deduct	*-17.47*	
		For >1,000, Deduct	*-24.14*	
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	67.91	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.06*	
		For >100 To 500, Deduct	*-9.32*	
		For >500 To 1,000, Deduct	*-17.90*	
		For >1,000, Deduct	*-24.57*	
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	52.89	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 500, Deduct	*-7.45*	
		For >500 To 1,000, Deduct	*-15.19*	
		For >1,000, Deduct	*-21.86*	
21 13 13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	54.10	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 500, Deduct	*-7.60*	
		For >500 To 1,000, Deduct	*-15.41*	
		For >1,000, Deduct	*-22.08*	
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	55.62	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 500, Deduct	*-7.79*	
		For >500 To 1,000, Deduct	*-15.68*	
		For >1,000, Deduct	*-22.35*	
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	58.01	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.75*	
		For >100 To 500, Deduct	*-8.18*	
		For >500 To 1,000, Deduct	*-16.74*	
		For >1,000, Deduct	*-24.15*	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	59.32	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.82*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-16.98*	
		For >1,000, Deduct	*-24.39*	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	60.72	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 500, Deduct	*-8.52*	
		For >500 To 1,000, Deduct	*-17.23*	
		For >1,000, Deduct	*-24.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	59.04	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-8.31*	
		For >500 To 1,000, Deduct	*-16.93*	
		For >1,000, Deduct	*-24.34*	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	60.40	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.87*	
		For >100 To 500, Deduct	*-8.48*	
		For >500 To 1,000, Deduct	*-17.17*	
		For >1,000, Deduct	*-24.58*	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	61.86	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.95*	
		For >100 To 500, Deduct	*-8.66*	
		For >500 To 1,000, Deduct	*-17.44*	
		For >1,000, Deduct	*-24.85*	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	61.88	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-4.95*	
		For >100 To 500, Deduct	*-8.66*	
		For >500 To 1,000, Deduct	*-17.44*	
		For >1,000, Deduct	*-24.85*	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	63.88	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.05*	
		For >100 To 500, Deduct	*-8.91*	
		For >500 To 1,000, Deduct	*-17.80*	
		For >1,000, Deduct	*-25.21*	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	63.88	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-5.05*	
		For >100 To 500, Deduct	*-8.91*	
		For >500 To 1,000, Deduct	*-17.80*	
		For >1,000, Deduct	*-25.21*	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	101.47	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 500, Deduct	*-13.52*	
		For >500 To 1,000, Deduct	*-23.94*	
		For >1,000, Deduct	*-30.61*	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	101.47	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 500, Deduct	*-13.52*	
		For >500 To 1,000, Deduct	*-23.94*	
		For >1,000, Deduct	*-30.61*	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	53.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.34*	
		For >100 To 500, Deduct	*-7.51*	
		For >500 To 1,000, Deduct	*-15.28*	
		For >1,000, Deduct	*-21.95*	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	53.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.34*	
		For >100 To 500, Deduct	*-7.51*	
		For >500 To 1,000, Deduct	*-15.28*	
		For >1,000, Deduct	*-21.95*	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	53.39	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.34*	
		For >100 To 500, Deduct	*-7.51*	
		For >500 To 1,000, Deduct	*-15.28*	
		For >1,000, Deduct	*-21.95*	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	56.05	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.47*	
		For >100 To 500, Deduct	*-7.84*	
		For >500 To 1,000, Deduct	*-15.76*	
		For >1,000, Deduct	*-22.43*	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	57.88	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.56*	
		For >100 To 500, Deduct	*-8.07*	
		For >500 To 1,000, Deduct	*-16.09*	
		For >1,000, Deduct	*-22.76*	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	58.67	8.34
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-16.23*	
		For >1,000, Deduct	*-22.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0169		Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0170		Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead	80.56	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 500, Deduct	*-11.18*	
		For >500 To 1,000, Deduct	*-22.06*	
		For >1,000, Deduct	*-30.96*	
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	59.02	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.18*	
		For >100 To 500, Deduct	*-8.49*	
		For >500 To 1,000, Deduct	*-18.19*	
		For >1,000, Deduct	*-27.08*	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	59.81	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.21*	
		For >100 To 500, Deduct	*-8.59*	
		For >500 To 1,000, Deduct	*-18.33*	
		For >1,000, Deduct	*-27.22*	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	74.19	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 500, Deduct	*-10.48*	
		For >500 To 1,000, Deduct	*-21.54*	
		For >1,000, Deduct	*-31.18*	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.49	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.25*	
		For >1,000, Deduct	*-29.15*	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.49	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.25*	
		For >1,000, Deduct	*-29.15*	
21 13 13 00-0177	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	74.19	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 500, Deduct	*-10.48*	
		For >500 To 1,000, Deduct	*-21.54*	
		For >1,000, Deduct	*-31.18*	
21 13 13 00-0178	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	65.45	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.50*	
		For >100 To 500, Deduct	*-9.29*	
		For >500 To 1,000, Deduct	*-19.34*	
		For >1,000, Deduct	*-28.24*	
21 13 13 00-0179	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.49	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.25*	
		For >1,000, Deduct	*-29.15*	
21 13 13 00-0180	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.49	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.25*	
		For >1,000, Deduct	*-29.15*	
21 13 13 00-0181	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	66.64	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.56*	
		For >100 To 500, Deduct	*-9.44*	
		For >500 To 1,000, Deduct	*-19.56*	
		For >1,000, Deduct	*-28.45*	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	107.93	12.97
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 500, Deduct	*-14.79*	
		For >500 To 1,000, Deduct	*-28.25*	
		For >1,000, Deduct	*-38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	62.94	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 500, Deduct	*-8.98*	
		For >500 To 1,000, Deduct	*-18.89*	
		For >1,000, Deduct	*-27.79*	
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	66.31	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 500, Deduct	*-9.49*	
		For >500 To 1,000, Deduct	*-20.13*	
		For >1,000, Deduct	*-29.76*	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	63.65	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.41*	
		For >100 To 500, Deduct	*-9.07*	
		For >500 To 1,000, Deduct	*-19.02*	
		For >1,000, Deduct	*-27.91*	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	67.35	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-5.78*	
		For >100 To 500, Deduct	*-9.62*	
		For >500 To 1,000, Deduct	*-20.31*	
		For >1,000, Deduct	*-29.95*	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	74.52	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 500, Deduct	*-10.52*	
		For >500 To 1,000, Deduct	*-21.60*	
		For >1,000, Deduct	*-31.24*	
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate	124.27	12.97
		For >25 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 500, Deduct	*-16.83*	
		For >500 To 1,000, Deduct	*-31.19*	
		For >1,000, Deduct	*-41.57*	
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate	124.27	12.97
		For >25 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 500, Deduct	*-16.83*	
		For >500 To 1,000, Deduct	*-31.19*	
		For >1,000, Deduct	*-41.57*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.55	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 500, Deduct	*-11.93*	
		For >500 To 1,000, Deduct	*-23.14*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	97.26	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-25.70*	
		For >1,000, Deduct	*-35.33*	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	69.04	11.12
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 500, Deduct	*-9.74*	
		For >500 To 1,000, Deduct	*-19.99*	
		For >1,000, Deduct	*-28.88*	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	70.07	12.04
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-5.91*	
		For >100 To 500, Deduct	*-9.96*	
		For >500 To 1,000, Deduct	*-20.80*	
		For >1,000, Deduct	*-30.44*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	200.00	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 500, Deduct	*-25.93*	
		For >500 To 1,000, Deduct	*-42.30*	
		For >1,000, Deduct	*-49.71*	
21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	195.30	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 500, Deduct	*-25.34*	
		For >500 To 1,000, Deduct	*-41.45*	
		For >1,000, Deduct	*-48.87*	
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	86.88	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 500, Deduct	*-11.79*	
		For >500 To 1,000, Deduct	*-21.94*	
		For >1,000, Deduct	*-29.35*	
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	96.65	9.26
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 500, Deduct	*-13.01*	
		For >500 To 1,000, Deduct	*-23.70*	
		For >1,000, Deduct	*-31.11*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	34.81	9.61
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 500, Deduct	*-4.75*	
		For >500 To 1,000, Deduct	*-8.99*	
		For >1,000, Deduct	*-12.19*	
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	34.81	9.61
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 500, Deduct	*-4.75*	
		For >500 To 1,000, Deduct	*-8.99*	
		For >1,000, Deduct	*-12.19*	
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	35.19	9.61
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.56*	
		For >100 To 500, Deduct	*-4.80*	
		For >500 To 1,000, Deduct	*-9.06*	
		For >1,000, Deduct	*-12.26*	
21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	31.24	9.61
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 500, Deduct	*-4.31*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000, Deduct	*-11.55*	
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	31.24	9.61
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 500, Deduct	*-4.31*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000, Deduct	*-11.55*	
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	31.24	9.61
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 500, Deduct	*-4.31*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000, Deduct	*-11.55*	
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	34.85	10.44
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 500, Deduct	*-4.79*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-12.71*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	13.27	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	13.27	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.45*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	12.56	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.32*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	12.56	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.32*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	9.38	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.75*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	12.91	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 500, Deduct	*-1.75*	
		For >500 To 1,000, Deduct	*-3.27*	
		For >1,000, Deduct	*-4.38*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	12.91	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 500, Deduct	*-1.75*	
		For >500 To 1,000, Deduct	*-3.27*	
		For >1,000, Deduct	*-4.38*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	5.27	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.78	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.23*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	4.91	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.26*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	5.36	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.34*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	4.87	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.25*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	4.87	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.25*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	5.86	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.43*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.85	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.25*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	4.85	2.45
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.25*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	7.91	3.43
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.34*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	7.64	3.43
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.30*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	7.73	3.43
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.31*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	7.99	3.43
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.36*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	7.73	3.43
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.31*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	7.91	3.43
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	16.12	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	16.12	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	16.12	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	16.12	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	16.12	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	16.12	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	18.53	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 500, Deduct	*-2.46*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000, Deduct	*-5.39*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.09	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 500, Deduct	*-2.53*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000, Deduct	*-5.49*	

21 13 13 00-0247 Coverplate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0248	EA	Chrome Coverplate For Concealed Pendent Sprinkler Head	37.69	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 500, Deduct	*-4.87*	
		For >500 To 1,000, Deduct	*-7.86*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0249	EA	White Coverplate For Concealed Pendent Sprinkler Head	18.53	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.47*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-5.67*	
21 13 13 00-0250	EA	Specialty Coverplate For Concealed Pendent Sprinkler Head	26.84	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 500, Deduct	*-3.51*	
		For >500 To 1,000, Deduct	*-5.90*	
		For >1,000, Deduct	*-7.16*	
21 13 13 00-0251	EA	Brass Coverplate For Concealed Sidewall Sprinkler Head	24.69	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-5.52*	
		For >1,000, Deduct	*-6.78*	
21 13 13 00-0252	EA	Chrome Coverplate For Concealed Sidewall Sprinkler Head	19.80	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-4.64*	
		For >1,000, Deduct	*-5.90*	
21 13 13 00-0253	EA	White Coverplate For Concealed Sidewall Sprinkler Head	19.80	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-4.64*	
		For >1,000, Deduct	*-5.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0254	EA	Off-White Coverplate For Concealed Sidewall Sprinkler Head	24.69	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-5.52*	
		For >1,000, Deduct	*-6.78*	
21 13 13 00-0255	EA	Black Painted Coverplate For Concealed Sidewall Sprinkler Head	24.69	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-5.52*	
		For >1,000, Deduct	*-6.78*	
21 13 13 00-0256	EA	Black Plated Coverplate For Concealed Sidewall Sprinkler Head	28.56	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 500, Deduct	*-3.73*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000, Deduct	*-7.47*	
21 13 13 00-0257	EA	Bright Brass Coverplate For Concealed Sidewall Sprinkler Head	28.56	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 500, Deduct	*-3.73*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000, Deduct	*-7.47*	
21 13 13 00-0258	EA	Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	28.56	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 500, Deduct	*-3.73*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000, Deduct	*-7.47*	
21 13 13 00-0259	EA	Specialty Coverplate For Concealed Sidewall Sprinkler Head	24.71	3.78
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.25*	
		For >500 To 1,000, Deduct	*-5.52*	
		For >1,000, Deduct	*-6.78*	
21 13 13 00-0260	EA	White Coverplate For Quick Release Concealed Sidewall Sprinkler Head	41.94	4.44
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 500, Deduct	*-5.43*	
		For >500 To 1,000, Deduct	*-8.81*	
		For >1,000, Deduct	*-10.29*	
21 13 13 00-0261	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFII)	17.82	3.71

21 13 13 00-0262 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

21 13 13 00-0263	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	9.78	2.23
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.32*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.13*	
21 13 13 00-0264	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	12.66	2.34
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000, Deduct	*-3.72*	
21 13 13 00-0265	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	15.87	2.45
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000, Deduct	*-4.36*	
21 13 13 00-0266	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	18.76	2.56
		For >25 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 500, Deduct	*-2.45*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000, Deduct	*-4.95*	

21 13 13 00-0267 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0268	EA	Universal Sprinkler Head Guard, C-1	14.98	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 500, Deduct	*-2.15*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000, Deduct	*-6.81*	
21 13 13 00-0269	EA	Dry Pendent Sprinkler Head Guard, C-2	16.48	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-4.86*	
		For >1,000, Deduct	*-7.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA	Upright Sprinkler Head Guard With Water Shield, C-3	19.03	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-2.66*	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000, Deduct	*-7.54*	
21 13 13 00-0271	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	22.18	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 500, Deduct	*-3.05*	
		For >500 To 1,000, Deduct	*-5.88*	
		For >1,000, Deduct	*-8.11*	
21 13 13 00-0272	EA	Universal Sprinkler Head Guard, D-1	16.42	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 500, Deduct	*-2.33*	
		For >500 To 1,000, Deduct	*-4.85*	
		For >1,000, Deduct	*-7.07*	
21 13 13 00-0273	EA	Upright Sprinkler Head Guard With Water Shield, D-3	17.39	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 500, Deduct	*-2.45*	
		For >500 To 1,000, Deduct	*-5.02*	
		For >1,000, Deduct	*-7.24*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	24.61	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 500, Deduct	*-3.35*	
		For >500 To 1,000, Deduct	*-6.32*	
		For >1,000, Deduct	*-8.54*	
21 13 13 00-0275	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	23.16	6.67
		For >25 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 500, Deduct	*-3.17*	
		For >500 To 1,000, Deduct	*-6.06*	
		For >1,000, Deduct	*-8.28*	
21 13 13 00-0276		Flexible Sprinkler Piping *(21 13 13 00-0011)*		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0277	EA	2' Long Stainless Steel Flexible Sprinkler Piping	47.01	11.49
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 500, Deduct	*-6.46*	
		For >500 To 1,000, Deduct	*-12.40*	
		For >1,000, Deduct	*-17.03*	
21 13 13 00-0278	EA	3' Long Stainless Steel Flexible Sprinkler Piping	51.86	11.86
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 500, Deduct	*-7.09*	
		For >500 To 1,000, Deduct	*-13.48*	
		For >1,000, Deduct	*-18.36*	
21 13 13 00-0279	EA	4' Long Stainless Steel Flexible Sprinkler Piping	56.84	12.60
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 500, Deduct	*-7.75*	
		For >500 To 1,000, Deduct	*-14.61*	
		For >1,000, Deduct	*-19.76*	
21 13 13 00-0280	EA	5' Long Stainless Steel Flexible Sprinkler Piping	61.98	13.34
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 500, Deduct	*-8.43*	
		For >500 To 1,000, Deduct	*-15.79*	
		For >1,000, Deduct	*-21.24*	
21 13 13 00-0281	EA	6' Long Stainless Steel Flexible Sprinkler Piping	67.31	14.83
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.45*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-9.14*	
		For >500 To 1,000, Deduct	*-17.04*	
		For >1,000, Deduct	*-22.83*	
21 13 13 00-0282		Sprinkler Emergency Cabinets *(21 13 13 00-0011)*		
21 13 13 00-0283	EA	3 Capacity Emergency Sprinkler Cabinet, A4	64.75	
21 13 13 00-0284	EA	6 Capacity Emergency Sprinkler Cabinet, A4	68.46	
21 13 13 00-0285	EA	12 Capacity Emergency Sprinkler Cabinet, A4	62.43	
21 13 13 00-0286	EA	12 Capacity Emergency Sprinkler Cabinet, A3	205.41	
21 13 13 00-0287	EA	Sprinkler Wrench, RC1	91.60	
21 13 13 00-0288	EA	Sprinkler Wrench, FC	82.95	
21 13 13 00-0289	EA	Sprinkler Wrench, W2	30.30	

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0001		**Complete Dry Pipe Sprinkler Systems** *(21 13 16)* Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components.		
21 13 16 00-0002		**Light Hazard, Dry-Pipe Sprinkler Systems** *(21 13 16 00-0001)*		
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	336.89	
		For Up To 5, Add	*155.57*	
		For >5 To 10, Add	*85.73*	
		For >10 To 20, Add	*64.91*	
		For >20 To 40, Add	*27.25*	
		For >100 To 150, Deduct	*-33.69*	
		For >150, Deduct	*-67.38*	
		For Copper Pipe, Add	*40.13*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-56.97*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*12.87*	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	422.62	
		For Up To 5, Add	*197.28*	
		For >5 To 10, Add	*112.85*	
		For >10 To 20, Add	*84.61*	
		For >20 To 40, Add	*35.25*	
		For >100 To 150, Deduct	*-42.26*	
		For >150, Deduct	*-84.52*	
		For Copper Pipe, Add	*49.28*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-70.41*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*14.03*	
21 13 16 00-0005		**Ordinary Hazard, Dry-Pipe Sprinkler Systems** *(21 13 16 00-0001)*		
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	341.82	
		For Up To 5, Add	*157.28*	
		For >5 To 10, Add	*85.57*	
		For >10 To 20, Add	*65.01*	
		For >20 To 40, Add	*27.37*	
		For >100 To 150, Deduct	*-34.18*	
		For >150, Deduct	*-68.36*	
		For Copper Pipe, Add	*41.00*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-58.09*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*13.63*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	425.43	
		For Up To 5, Add	*198.07*	
		For >5 To 10, Add	*112.28*	
		For >10 To 20, Add	*84.38*	
		For >20 To 40, Add	*35.22*	
		For >100 To 150, Deduct	*-42.54*	
		For >150, Deduct	*-85.09*	
		For Copper Pipe, Add	*49.87*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-71.14*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*14.65*	
21 13 16 00-0008		**Extra Hazard, Dry-Pipe Sprinkler Systems** *(21 13 16 00-0001)*		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	320.66	
		For Up To 5, Add	*147.42*	
		For >5 To 10, Add	*79.95*	
		For >10 To 20, Add	*60.80*	
		For >20 To 40, Add	*25.61*	
		For >100 To 150, Deduct	*-32.07*	
		For >150, Deduct	*-64.13*	
		For Copper Pipe, Add	*38.52*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-54.56*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*12.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	396.05	
		For Up To 5, Add	*184.40*	
		For >5 To 10, Add	*104.56*	
		For >10 To 20, Add	*78.58*	
		For >20 To 40, Add	*32.79*	
		For >100 To 150, Deduct	*-39.61*	
		For >150, Deduct	*-79.21*	
		For Copper Pipe, Add	*46.42*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-66.22*	
		For Tamper Resistant Pendent Sprinkler Head, Add	*27.05*	
		For Tamper Resistant Sidewall Sprinkler Head, Add	*29.30*	
		For Galvanized Pipe, Add	*13.62*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Equipment** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,686.41	212.02
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,761.78	212.02
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	1,825.37	212.02
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	2,072.67	212.02
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)* Note: Excludes hydraulic calculations.		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)* Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve	2,123.95	95.73
21 13 16 00-0019	EA	3" Dry Pipe Valve	2,365.80	109.64
21 13 16 00-0020	EA	4" Dry Pipe Valve	2,660.45	186.23
21 13 16 00-0021	EA	6" Dry Pipe Valve	3,373.43	234.96
21 13 16 00-0022		**Dry Pipe Valve Trim** *(21 13 16 00-0016)* Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA	2-1/2" Dry Pipe Valve Trim	1,077.15	202.59
21 13 16 00-0024	EA	3" Dry Pipe Valve Trim	1,077.15	202.59
21 13 16 00-0025	EA	4" Dry Pipe Valve Trim	1,256.47	277.77
21 13 16 00-0026	EA	6" Dry Pipe Valve Trim	1,437.47	386.38
21 13 16 00-0027		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0028	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	146.74	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-9.56*	
		For >100 To 500, Deduct	*-19.45*	
		For >500 To 1,000, Deduct	*-33.97*	
		For >1,000, Deduct	*-42.87*	
21 13 16 00-0029	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	152.63	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-9.86*	
		For >100 To 500, Deduct	*-20.19*	
		For >500 To 1,000, Deduct	*-35.04*	
		For >1,000, Deduct	*-43.93*	
21 13 16 00-0030	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	158.53	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 500, Deduct	*-20.93*	
		For >500 To 1,000, Deduct	*-36.10*	
		For >1,000, Deduct	*-44.99*	
21 13 16 00-0031	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	164.44	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.45*	
		For >100 To 500, Deduct	*-21.67*	
		For >500 To 1,000, Deduct	*-37.16*	
		For >1,000, Deduct	*-46.06*	
21 13 16 00-0032	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	170.33	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.74*	
		For >100 To 500, Deduct	*-22.40*	
		For >500 To 1,000, Deduct	*-38.22*	
		For >1,000, Deduct	*-47.12*	
21 13 16 00-0033	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	176.22	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.04*	
		For >100 To 500, Deduct	*-23.14*	
		For >500 To 1,000, Deduct	*-39.28*	
		For >1,000, Deduct	*-48.18*	
21 13 16 00-0034	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	182.11	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.33*	
		For >100 To 500, Deduct	*-23.88*	
		For >500 To 1,000, Deduct	*-40.34*	
		For >1,000, Deduct	*-49.24*	
21 13 16 00-0035	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	188.02	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 500, Deduct	*-24.61*	
		For >500 To 1,000, Deduct	*-41.41*	
		For >1,000, Deduct	*-50.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0036	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	193.91	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.92*	
		For >100 To 500, Deduct	*-25.35*	
		For >500 To 1,000, Deduct	*-42.47*	
		For >1,000, Deduct	*-51.36*	
21 13 16 00-0037	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	199.81	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-12.21*	
		For >100 To 500, Deduct	*-26.09*	
		For >500 To 1,000, Deduct	*-43.53*	
		For >1,000, Deduct	*-52.42*	
21 13 16 00-0038	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	205.71	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-12.51*	
		For >100 To 500, Deduct	*-26.83*	
		For >500 To 1,000, Deduct	*-44.59*	
		For >1,000, Deduct	*-53.49*	
21 13 16 00-0039	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	211.60	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-12.80*	
		For >100 To 500, Deduct	*-27.56*	
		For >500 To 1,000, Deduct	*-45.65*	
		For >1,000, Deduct	*-54.55*	
21 13 16 00-0040	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	217.51	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-13.10*	
		For >100 To 500, Deduct	*-28.30*	
		For >500 To 1,000, Deduct	*-46.71*	
		For >1,000, Deduct	*-55.61*	
21 13 16 00-0041	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	223.39	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-13.39*	
		For >100 To 500, Deduct	*-29.04*	
		For >500 To 1,000, Deduct	*-47.77*	
		For >1,000, Deduct	*-56.67*	
21 13 16 00-0042	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	229.30	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-13.69*	
		For >100 To 500, Deduct	*-29.77*	
		For >500 To 1,000, Deduct	*-48.84*	
		For >1,000, Deduct	*-57.73*	

21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0044	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	145.32	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-9.49*	
		For >100 To 500, Deduct	*-19.28*	
		For >500 To 1,000, Deduct	*-33.72*	
		For >1,000, Deduct	*-42.62*	
21 13 16 00-0045	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	151.23	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-9.79*	
		For >100 To 500, Deduct	*-20.02*	
		For >500 To 1,000, Deduct	*-34.78*	
		For >1,000, Deduct	*-43.68*	
21 13 16 00-0046	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	157.13	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.08*	
		For >100 To 500, Deduct	*-20.75*	
		For >500 To 1,000, Deduct	*-35.85*	
		For >1,000, Deduct	*-44.74*	
21 13 16 00-0047	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	163.01	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.37*	
		For >100 To 500, Deduct	*-21.49*	
		For >500 To 1,000, Deduct	*-36.90*	
		For >1,000, Deduct	*-45.80*	
21 13 16 00-0048	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	168.91	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 500, Deduct	*-22.23*	
		For >500 To 1,000, Deduct	*-37.97*	
		For >1,000, Deduct	*-46.86*	
21 13 16 00-0049	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	174.80	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 500, Deduct	*-22.96*	
		For >500 To 1,000, Deduct	*-39.03*	
		For >1,000, Deduct	*-47.92*	
21 13 16 00-0050	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	180.72	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.26*	
		For >100 To 500, Deduct	*-23.70*	
		For >500 To 1,000, Deduct	*-40.09*	
		For >1,000, Deduct	*-48.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0051	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	186.61	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.55*	
		For >100 To 500, Deduct	*-24.44*	
		For >500 To 1,000, Deduct	*-41.15*	
		For >1,000, Deduct	*-50.05*	
21 13 16 00-0052	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	192.49	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 500, Deduct	*-25.17*	
		For >500 To 1,000, Deduct	*-42.21*	
		For >1,000, Deduct	*-51.11*	
21 13 16 00-0053	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	198.39	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-12.14*	
		For >100 To 500, Deduct	*-25.91*	
		For >500 To 1,000, Deduct	*-43.27*	
		For >1,000, Deduct	*-52.17*	
21 13 16 00-0054	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	204.29	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-12.44*	
		For >100 To 500, Deduct	*-26.65*	
		For >500 To 1,000, Deduct	*-44.33*	
		For >1,000, Deduct	*-53.23*	
21 13 16 00-0055	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	210.18	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-12.73*	
		For >100 To 500, Deduct	*-27.38*	
		For >500 To 1,000, Deduct	*-45.39*	
		For >1,000, Deduct	*-54.29*	
21 13 16 00-0056	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	227.88	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-13.62*	
		For >100 To 500, Deduct	*-29.60*	
		For >500 To 1,000, Deduct	*-48.58*	
		For >1,000, Deduct	*-57.48*	
21 13 16 00-0057	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	233.78	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-13.91*	
		For >100 To 500, Deduct	*-30.33*	
		For >500 To 1,000, Deduct	*-49.64*	
		For >1,000, Deduct	*-58.54*	
21 13 16 00-0058	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	236.13	14.68
		For >25 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-14.03*	
		For >100 To 500, Deduct	*-30.63*	
		For >500 To 1,000, Deduct	*-50.07*	
		For >1,000, Deduct	*-58.96*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems *(21 13 19)*

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems *(21 13 19 00-0001)*

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	322.82	
		For Up To 5, Add	*149.68*	
		For >5 To 10, Add	*95.40*	
		For >10 To 20, Add	*63.11*	
		For >20 To 40, Add	*26.42*	
		For >100 To 150, Deduct	*-32.28*	
		For >150, Deduct	*-64.56*	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems *(21 13 19 00-0001)*

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	300.57	
		For Up To 5, Add	*139.38*	
		For >5 To 10, Add	*88.85*	
		For >10 To 20, Add	*58.79*	
		For >20 To 40, Add	*24.61*	
		For >100 To 150, Deduct	*-30.06*	
		For >150, Deduct	*-60.11*	

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment *(21 13 26 00-0001)*

21 13 26 00-0003	EA	3" Deluge Valve With Trim And Release Equipment	5,345.30	411.85
21 13 26 00-0004	EA	4" Deluge Valve With Trim And Release Equipment	6,132.19	463.29
21 13 26 00-0005	EA	6" Deluge Valve With Trim And Release Equipment	7,570.13	673.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39		**Foam-Water Systems** *(21 13)*		
21 13 39 00-0001		Foam Control Valves And Monitors *(21 13 39)*		
21 13 39 00-0002		Control Valves *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Foam Control Valve	2,464.23	411.85
21 13 39 00-0004		Supply Valves *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	2,202.61	463.29
21 13 39 00-0006		Proportioners *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	1,755.68	673.88
21 13 39 00-0008		Monitors *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	2,628.83	92.66
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*		
		Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.18	1.19
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.05	1.26
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.43	1.41
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.92	1.55
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.27	1.70
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	14.18	1.93
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	19.95	2.30
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	19.38	7.12
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.76	8.90
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	32.23	11.12
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	37.01	12.31
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	42.09	13.79
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	53.91	15.64
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	66.34	18.54
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	19.94	7.12
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	24.86	8.90
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	31.55	11.12
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	35.93	12.31
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	40.74	13.79
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	50.51	15.64
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	62.61	18.54
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	28.84	10.67
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	37.74	13.42
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	48.20	16.75
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	55.65	18.54
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	65.52	20.61
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	81.34	23.49
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	96.08	27.73
21 13 41 00-0034		Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	34.82	12.53
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	45.61	15.64
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	51.17	17.28
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	60.97	19.27
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	72.37	21.94
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	85.10	25.87
21 13 41 00-0041		Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	38.98	14.23
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	48.86	17.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	61.63	22.31
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	69.70	24.68
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	82.02	27.51
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	107.12	31.28
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	13.38	4.75
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	17.91	6.37
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.79	8.38
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	27.25	9.26
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	31.38	10.30
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	37.90	11.71
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	45.84	13.86
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	6.84	2.37
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	10.86	3.85
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	12.55	4.15
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.45	4.60
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	17.26	5.19
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	20.97	5.86
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	27.54	6.96
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	18.75	7.05
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.91	9.19
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	27.53	10.16
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	31.45	11.34
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	37.58	12.90
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	46.11	15.27
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	16.99	5.19
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	21.76	7.05
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	16.99	5.19
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.76	7.05
21 13 41 00-0077		**Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	19.70	6.37
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.24	8.00
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.38	8.00
21 13 41 00-0081		**Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.28	10.67
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	39.55	13.42
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	51.88	16.75
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	59.55	18.54
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	70.26	20.61

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001 Carbon Dioxide Cylinders *(21 21 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	1,360.04	154.96
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each)	2,720.06	309.92
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	211.71	84.92
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	90.87	28.29
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	23.99	11.48

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	1,426.64	52.83
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,632.59	52.83
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	1,659.67	52.83
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	2,359.51	70.44
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	2,495.65	70.44
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	2,657.35	88.05
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	2,823.35	88.05
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	4,280.58	105.65
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	36.78	105.65

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	133.55	8.81
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	137.06	8.81
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	145.85	8.81
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	152.00	8.81
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	160.78	8.81
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	187.12	8.81
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	133.55	8.81
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	137.06	8.81
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	145.85	8.81
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	152.00	8.81
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	160.78	8.81
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	187.12	8.81

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0002)*

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	10.70	2.64
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	12.21	2.64
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	14.79	6.17
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	39.64	7.89
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	61.45	7.89
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	75.35	7.89
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	34.62	7.89
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	229.58	70.44
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	232.12	52.83
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	556.32	70.44

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	38.69	8.81
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	42.65	8.81

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	119.59	26.41
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	127.49	26.41
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	137.59	26.41

21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	360.55	28.04
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	502.39	48.11

21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	104.61	17.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	427.84	17.61
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	358.44	17.61
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,570.78	70.44
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	35.71	12.32
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	68.55	12.32
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	202.06	8.81
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	259.18	8.81
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	128.85	35.22
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	144.65	14.79
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	433.31	61.63
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	549.88	12.32
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	576.24	12.32
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	614.03	17.61
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	35.18	10.56
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	44.76	12.32
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	140.96	52.83
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	171.08	52.83
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	196.11	52.83
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	276.92	52.83
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	40.82	14.09
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	77.77	8.81
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	100.67	17.61
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	248.03	70.44
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	401.73	70.44
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,479.42	70.44
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	151.70	17.44
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	177.42	18.74
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	317.31	33.92
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	631.46	77.25
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,611.05	101.95
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	44.94	5.34
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	532.67	57.28
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,657.54	179.24
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,571.15	182.61
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,371.53	164.05
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,555.92	185.86
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,244.94	240.85
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,228.11	294.31
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,598.50	207.23
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,287.83	262.30
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,327.97	316.26
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	51.89	5.97
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	51.89	5.97
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	63.01	6.63
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	988.69	113.83
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	16.78	1.74
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	23.80	2.49
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	18.50	1.95
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	16.99	1.95
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	73.91	8.40
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	77.49	8.80
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	90.15	10.16
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	100.35	11.48
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	115.12	13.19
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	113.05	13.00
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	117.34	13.38
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	108.25	12.39
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	110.32	13.38
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	128.70	14.72
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	137.64	15.68
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	148.12	16.83
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	254.77	29.44
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	336.89	38.62
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	367.13	42.45
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	131.58	15.29
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	155.30	17.90
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	127.81	14.72
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	136.62	15.60
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	137.80	15.68
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	166.33	19.04
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	179.18	20.65
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	275.06	31.69
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	321.07	37.09
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	351.83	40.54
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	148.12	16.83
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	181.60	20.96
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	195.32	22.56
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	275.06	31.69
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	300.46	34.72
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	353.01	40.54
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	410.38	47.53
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	485.08	56.22
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	620.40	110.90
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	804.78	130.03
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,005.68	217.98
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	603.70	110.90
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	667.87	77.46
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,005.68	217.98
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	617.76	110.90
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	694.14	80.50
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	984.60	217.98
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	692.05	84.51
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,139.52	131.12
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,630.70	174.72
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,734.26	177.73
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	80.61	9.04
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	95.50	11.97
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	930.15	93.54
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	102.69	8.88
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	107.59	9.35
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	113.19	9.51
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	121.73	9.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	126.29	10.78
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	126.29	11.65
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	272.97	31.24
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	275.37	31.55
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	353.01	40.43
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	128.70	14.72
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	166.80	33.66
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	347.05	21.76
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	281.92	32.49
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	519.13	217.98
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	176.79	20.32
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	207.54	23.71
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	514.69	217.98
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	183.97	21.28
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	215.63	24.81
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	536.65	217.98
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	37.82	1.61
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	38.15	1.77
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	40.94	2.11
21 22 16 00-0191		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	22.52	2.58
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	186.36	19.66
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	135.44	19.66
21 22 16 00-0195		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		
21 22 16 00-0196		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	144.92	16.97
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	164.66	19.35
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	209.47	24.58
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	225.61	26.48
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	282.40	33.29
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	300.63	35.36
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	575.93	68.18
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	46.67	5.07
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	125.51	14.74
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	184.07	21.56
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	16.80	1.96
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,445.23	171.07
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,211.60	143.33
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	940.53	111.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	819.19	96.87
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	819.19	96.87
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	656.28	77.53
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,211.60	143.33
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	246.52	29.01
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	309.00	36.47
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	619.54	73.25
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	104.74	12.28
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	142.27	16.97
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	246.54	29.01

21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	190.86	23.62
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	11.69	1.61
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	88.30	1.96
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	12.49	1.96

21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	423.98	52.95
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	254.29	31.55

21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	189.46	20.29
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	395.88	42.97
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	446.61	48.67
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	586.66	59.30
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	940.85	102.89
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	140.13	16.33
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	250.13	29.49
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	508.65	60.09
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,478.49	175.03
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,081.29	127.94

21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	113.88	13.55
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	105.82	13.47
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	142.69	19.35
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	214.27	25.21
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	166.01	20.46
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	155.63	19.66
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	24.79	3.14
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	91.80	11.09
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	92.03	10.78
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	29.28	8.88
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	8.48	0.99
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	88.59	10.39

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21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	51.86	6.12
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	140.67	16.17
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	73.49	8.56
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	21.28	2.30
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	13.29	1.27
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	184.07	21.56
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	555.53	61.99
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,055.90	124.93
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	28.23	3.23
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	144.34	15.22
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	359.68	22.94
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	799.79	88.78
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	799.79	88.78
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,201.85	133.18
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,201.85	133.18
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,773.58	169.64
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	25.80	2.85
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	39.95	2.85
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	57.08	5.39
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	90.61	6.03
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	110.72	12.05
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	210.22	15.22
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	5,986.70	745.16
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	7,660.74	919.55
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	6,920.73	840.28
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	9,665.17	1,109.81
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	10,172.36	1,173.23
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	9,768.91	1,125.66
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	10,317.00	1,189.08
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	10,602.06	1,236.64
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	11,055.10	1,300.06
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	11,622.05	1,363.47
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	12,114.61	1,426.89
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	11,414.64	1,300.06
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	1,858.48	174.39

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21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	1,868.15	174.39
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	1,682.66	158.54
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	1,693.90	158.54
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,097.83	190.25
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	1,780.45	164.88
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	1,945.63	185.18
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	4,613.53	523.19
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	3,808.32	418.56
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,339.02	158.54
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	971.81	103.05
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,357.30	138.88
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	1,643.83	171.23
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	256.38	25.69
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,723.75	158.54
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,218.26	131.59
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	958.12	101.47
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,220.37	131.59
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,218.26	131.59
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,209.15	123.67
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	144.89	11.09
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	5,834.22	608.81
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	10,162.96	1,065.42
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	796.98	79.27
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	18.29	1.58
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	10.73	0.31
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	437.43	45.98
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	529.88	55.80
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	764.71	80.85
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	112.57	12.05
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	17.12	2.54
21 22 16 00-0328		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	15.84	1.90
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	16.48	2.22
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	25.80	2.85
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	25.84	2.85
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	93.37	10.78
21 22 16 00-0334		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	233.21	22.83
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	314.44	30.44
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	320.20	33.29
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	802.06	47.56
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,156.40	104.63
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	4.26	1.19
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	7.01	2.37
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	18.86	7.12
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	19.65	7.12
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	13.67	4.75
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	22.41	7.12
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	29.17	10.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	37.12	12.53
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	3.69	1.15
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	15.59	3.49
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	20.21	2.54
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	29.09	3.49
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,353.27	121.76
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,368.45	140.15
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	827.77	85.61
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	946.60	96.71
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,353.27	121.76
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,637.68	140.15
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	462.25	43.13
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	694.53	65.95
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,299.77	136.35
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,906.96	199.77
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	102.73	11.09
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	76.89	8.24
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,470.16	292.51
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	77.08	6.72
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	74.70	8.72
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	44.46	5.23
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	18.18	2.13
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	84.87	9.20
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	119.64	13.00
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	933.65	102.11
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	27.16	2.95
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	12.18	1.32
21 22 16 00-0381		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0382		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	49.23	5.33
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	90.38	10.31
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	90.38	10.31
21 22 16 00-0386		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0387	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system	2,096.63	76.48
21 22 16 00-0388	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system	3,002.27	87.57
21 22 16 00-0389	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system	3,563.72	103.25
21 22 16 00-0390	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system	4,721.05	122.38
21 22 16 00-0391	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system	7,373.80	152.97
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	482.64	152.97
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	167.97	50.87
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	201.64	38.24
21 22 16 00-0395	LB	FM200 Gas	16.40	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	3,408.80	41.15
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	497.31	57.52
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	496.26	61.65
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	124.59	21.80
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	148.32	41.15
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	640.22	61.65
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	499.83	162.60
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	2,525.11	305.48
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	4,109.40	611.64
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	208.54	61.65

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	2,042.54	231.52
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	225.52	61.65
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	206.90	61.65
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	932.71	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	140.90	28.68

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	662.00	63.40
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	759.56	78.96
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	930.63	97.42
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,098.85	115.59
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	37.15	3.32
21 23 16 00-0008	EA	System Valve Actuator	133.21	13.17
21 23 16 00-0009	EA	Vent Plug	24.95	2.68
21 23 16 00-0010	EA	Gauge Shield	55.69	7.04
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	68.61	7.04
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	72.72	7.47
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	138.27	14.09
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	135.53	15.99
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	163.98	16.02
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	22.49	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	23.68	

21 23 16 00-0018 Nozzles And Accessories *(21 23 16 00-0001)*

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	61.50	6.48
21 23 16 00-0020	EA	LPF Or DM Nozzle	66.95	6.48
21 23 16 00-0021	EA	LPR Nozzle	78.18	6.48
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	46.19	4.58
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	7.27	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	4.49	0.42
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	22.40	6.45

21 23 16 00-0026 Control Systems *(21 23 16 00-0001)*

21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	691.89	42.26
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	59.26	7.04
21 23 16 00-0029	EA	24" High Pressure Hose	69.95	7.04
21 23 16 00-0030	EA	60" High Pressure Hose	93.73	7.04
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	136.34	14.09
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	45.33	6.62
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	48.90	6.62
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	20.07	5.28
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	389.78	27.29
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	64.46	6.62
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	116.72	11.48
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	358.11	36.84

21 23 16 00-0039 Mechanical Actuation Components *(21 23 16 00-0001)*

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	39.66	10.56
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	52.03	10.56
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	137.70	7.04
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	105.61	7.04
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	17.97	1.90
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	251.01	11.62
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	30.13	3.10
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	55.77	3.52
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	1.75	0.71
21 23 16 00-0049	EA	Cable Clamp	7.84	0.35
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.15	0.28
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.10	0.28
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	64.30	6.55

21 23 16 00-0053 Mechanical Detection Links *(21 23 16 00-0001)*

21 23 16 00-0054	EA	KGS Standard Response Link	13.36	3.52
21 23 16 00-0055	EA	KGS Rapid Response Link	19.68	3.52
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	16.85	3.52
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	15.36	3.52
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	22.49	3.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	293.10	15.22
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	318.71	18.73
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	365.66	23.66
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	401.08	27.26
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	432.78	32.19
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	718.63	47.05
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	802.16	54.45
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	332.96	17.18
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	36.71	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	306.24	14.16
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	308.36	15.22
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	476.76	18.73
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	504.09	23.66
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	578.75	27.26
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	744.52	32.19
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,232.02	47.05
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	1,548.81	54.45
21 23 16 00-0077	EA	Manual Reset Relay	408.65	70.79
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	33.16	2.96
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	32.59	3.24
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	38.25	3.87
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	44.22	4.15
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	38.25	3.87
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	32.59	3.24
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	32.59	3.24
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	53.47	5.49
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	71.20	7.26
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	32.59	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	237.63	21.27
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	212.32	21.70
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	169.78	5.35
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	609.90	61.35
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	129.81	13.10
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	198.36	13.10
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	197.33	9.30
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	59.85	5.92
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	7.91	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	488.83	49.31
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	530.45	50.01
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	764.09	72.05
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,003.91	98.54
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	108.90	11.76
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	716.94	76.92
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	437.73	46.91
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	14.13	1.55
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	14.13	1.55
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	14.47	1.55
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	14.13	1.55
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	14.13	1.55
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	15.35	1.55
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	24.49	2.61
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	31.79	3.45
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	40.81	17.82
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	306.75	39.65
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	253.74	15.22
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	289.23	18.73
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	312.66	23.66
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	344.09	27.19
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	395.93	32.12
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	918.37	46.98
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	980.57	54.38
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	199.58	15.22
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	339.33	18.73
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	354.62	23.66

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21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	403.65	27.19
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	558.39	32.12
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	1,078.10	46.98
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,137.62	54.38
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	50.65	5.21
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	71.82	6.62
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	274.83	6.62
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	18.72	2.05
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	612.92	66.14
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	781.07	84.59
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	400.67	43.32
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	483.45	52.19
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	442.06	47.76
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	461.41	49.94
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	601.01	64.94
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	689.47	74.66
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	56.00	6.06
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	13.95	0.99
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	14.39	1.27
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	44.90	4.86
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.58	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	48.83	5.28
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	97.80	10.49
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	206.97	22.26
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.01	0.21
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.61	0.21
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.42	0.28
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.42	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	46.40	5.07
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	48.43	5.28
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	5.67	0.63
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	66.57	6.90
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	9.34	0.99
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	12.99	1.41
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	5.67	0.63
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	8.00	0.85
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	7.82	0.85
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.23	0.21
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	3.78	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	72.37	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	492.07	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	639.25	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	738.53	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	22.72	2.40
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	23.53	2.54
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	45.31	4.86
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	64.13	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	137.84	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	91.57	9.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	98.32	13.95
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	24.49	2.61
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.34	0.92
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	1,485.71	154.96
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,534.52	154.96
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	497.43	35.22
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	465.54	35.22

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)*		
		Note: Amerex or equal.		
21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	411.19	54.66
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	573.70	68.88
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	136.25	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	239.52	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	95.37	11.47
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	55.57	6.65
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	24.09	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	95.37	11.47
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	239.52	28.75
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	127.65	15.29
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	155.99	15.29
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	380.08	45.64
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	28.69	3.44
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	127.65	15.29
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	22.95	2.75
21 24 16 00-0017	EA	Detector	17.21	2.06
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	6.45	0.77
21 24 16 00-0019	EA	Test Link	2.04	
21 24 16 00-0020	EA	Corner Pulley	8.90	1.07
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	143.42	17.20
21 24 16 00-0022	EA	Pulley Tee	64.54	7.73
21 24 16 00-0023	EA	Manual Pull Station (Standard)	57.37	6.88
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	26.91	3.21
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	63.96	7.64
21 24 16 00-0026	EA	Conduit Offset	12.76	1.53
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal)	17.58	2.15
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal	14.34	1.76
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	23.95	2.90
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	23.95	2.90
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	6.68	1.98
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	15.95	1.98
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	28.68	3.44
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	28.68	3.44
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	28.68	3.44
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	28.68	3.44
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	28.68	3.44
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	41.25	4.97
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve	229.09	20.26
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve	269.24	29.43
21 24 16 00-0041	EA	2" Mechanical Gas Valve	335.53	34.79
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	361.42	43.35
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	19.02	2.30
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	30.69	3.67
21 24 16 00-0045	EA	Gas Valve Trip Assembly	64.54	7.73
21 24 16 00-0046		**Range Guard Fire Suppression Systems** *(21 24 16)*		
		Note: Range Guard or equal.		
21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	436.44	59.09
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	544.79	73.75
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	672.58	91.08
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	798.87	108.12
21 24 16 00-0051	EA	Vent Plug	18.33	2.47
21 24 16 00-0052	EA	Discharge Adapter Kit	23.61	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	48.57	6.55
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	51.42	6.97
21 24 16 00-0055	EA	4 Gallon Wall Bracket	97.10	13.17
21 24 16 00-0056	EA	6 Gallon Wall Bracket	107.61	14.58
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	379.64	51.41
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	396.08	53.60
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	454.37	61.49
21 24 16 00-0060	EA	Tandem Control Head	345.26	46.77
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	584.40	79.10
21 24 16 00-0062	EA	Mechanical Control Box	260.06	35.22
21 24 16 00-0063	EA	Tandem Control Box	260.06	35.22
21 24 16 00-0064	EA	Mechanical Control Box Adapter	76.23	10.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	229.07	30.99
21 24 16 00-0066	EA	Pressure Operated Actuator	94.17	12.75
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	152.46	20.64
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	155.44	21.06
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	38.12	5.14
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	439.89	59.52
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	94.17	12.75
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	94.17	12.75
21 24 16 00-0073	EA	Check Valve	78.72	15.15
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	42.59	5.77
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	18.54	2.51
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	4.87	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	97.15	13.17
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	44.54	6.06
21 24 16 00-0079	EA	Nozzles; DM And LPF	49.62	6.69
21 24 16 00-0080	EA	Swivel Adapter	31.39	4.22
21 24 16 00-0081	EA	Corner Pulley	13.45	1.83
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.59	0.21
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.72	0.21
21 24 16 00-0084	EA	"S" Hook	0.56	0.14
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	46.32	6.27
21 24 16 00-0086	EA	Cable Clamp	4.13	0.56
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.57	0.14
21 24 16 00-0088	EA	3/8" Cable Anchor	48.95	6.62
21 24 16 00-0089	EA	1/2" Cable Anchor	48.95	6.62
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	79.17	10.70
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	84.50	11.41
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	98.99	13.38
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	31.02	4.22
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	129.97	17.53
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	98.99	13.38
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	118.01	15.99
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	21.21	2.89
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	23.55	3.17
21 24 16 00-0099	EA	Fusible Link 165F To 360F	7.71	1.06
21 24 16 00-0100	EA	Fusible Link 500F	12.24	1.06
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	23.55	3.17
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	17.28	3.17
21 24 16 00-0103	EA	Quartzoid Link 400 F	126.97	17.18
21 24 16 00-0104	EA	Quartzoid Link 500 F	126.97	17.18
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	45.50	6.13
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	79.17	10.70
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	47.06	6.34
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	81.55	11.05
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	59.75	8.10
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	86.19	11.62
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	252.46	34.16
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	113.54	15.36
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	113.54	15.36
21 24 16 00-0114	EA	Electric Manual Pull Station	82.91	11.20
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	46.31	6.27
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	65.73	8.88
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	5.32	0.71
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	23.55	3.17
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	23.55	3.17
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	86.64	11.69
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	95.61	12.96
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	2.49	0.92
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	11.95	1.62
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	128.48	17.39
21 24 16 00-0125	EA	Suppression Abort Station	135.94	18.38
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	158.35	21.41
21 24 16 00-0127	EA	Surface Mount Back Box	52.29	7.04
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	971.00	131.23
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	971.00	131.23
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	80.67	10.91
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	3.10	0.49
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	702.08	
21 24 16 00-0133	EA	Extra Scorpio Key	11.95	
21 24 16 00-0134	EA	Extra Scorpio Manual	7.47	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	20.31	2.75
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	22.06	2.96
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	26.54	3.59
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	28.38	3.80
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	22.06	2.96
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	22.06	2.96
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	37.74	5.14
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	50.04	6.76
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	22.06	2.96
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	49.09	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	84.40	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	127.57	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	186.67	
21 24 16 00-0148	EA	Inlet Flushing Adapter	36.60	4.93
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	36.60	4.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	36.60	4.93
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	36.60	4.93
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	36.60	4.93
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	50.79	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	4.05	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	4.87	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	3.40	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.42	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	642.32	86.85
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	749.89	101.36
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	933.64	126.22
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	933.64	126.22
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,174.13	158.69
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	556.43	75.23
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	522.82	70.65
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	422.74	57.13
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	731.96	98.96
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	670.70	90.66

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump	34,862.77	1,381.22
		For Duplex Pumping System, Add	*33,481.54*	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	40,660.70	1,553.89
		For Duplex Pumping System, Add	*39,221.92*	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	55,417.88	1,726.54
		For Duplex Pumping System, Add	*53,819.24*	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	68,513.02	2,002.61
		For Duplex Pumping System, Add	*66,510.41*	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	76,479.84	2,184.67
		For Duplex Pumping System, Add	*74,295.17*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	51,438.76	1,638.50
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	58,187.86	1,820.56
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	61,140.82	2,002.61
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	69,574.94	2,184.67
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	73,854.02	2,548.78
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	79,506.81	3,277.00
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	86,303.67	3,641.12
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	98,685.82	4,150.87
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	118,192.76	4,478.58
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	138,669.38	5,097.56
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	164,576.15	5,461.67
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	185,317.97	5,825.79

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Includes pump and controller.

21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller	3,607.58	364.11

END OF SECTION 21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	26.97
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	28.12
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	30.93
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.02
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	35.81
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	45.72
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	58.39
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	67.98
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	77.96
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	42.44
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	44.80
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	49.60
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	54.51
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	60.14
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	77.70
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	94.71
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	108.14
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	122.74
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	60.19
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	62.72
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	69.32
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	76.02
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	85.85
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	105.14
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	124.09
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	149.66
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	184.11
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	188.97
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	202.48

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Fixture And/Or Trim Replacement *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	41.99
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	15.37
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	21.05
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	28.69
22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement	45.14
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement	33.60
22 01 40 81-0008	EA	Shower Arm Replacement	28.15
22 01 40 81-0009	EA	Shower Head Replacement	33.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0010	EA	Shower Knob Replacement	26.07	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement Note: Excludes balancing valve.	72.16	
22 01 40 81-0012	EA	Sink Basket Strainer Replacement	19.37	
22 01 40 81-0013	EA	1-1/2" Replacement Sink Drain Without Stopper	10.53	
22 01 40 81-0014	EA	4-1/2" Replacement Sink Drain Without Stopper	11.05	
22 01 40 81-0015	EA	1-1/2" Replacement Sink Drain With Stopper	10.53	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement	6.15	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	17.45	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement	28.61	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement	21.81	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement	22.38	
22 01 40 81-0021	EA	Faucet Handle Replacement	25.67	
22 01 40 81-0022	EA	Faucet O-Ring Replacement	18.40	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover	12.85	
22 01 40 81-0024	EA	Toilet Ballcock Replacement	28.19	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement Note: Excludes removal of toilet.	5.31	
22 01 40 81-0026	EA	Toilet Tank Replacement	119.23	
22 01 40 81-0027	EA	10" Toilet Bowl Replacement	140.31	
22 01 40 81-0028	EA	10", Low-Flush Watersaver, Toilet Bowl Replacement	154.13	
22 01 40 81-0029	EA	12" Toilet Bowl Replacement	167.47	
22 01 40 81-0030	EA	18", Elongated, Toilet Bowl Replacement	144.96	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	15.84	
22 01 40 81-0032	EA	Toilet Flapper Ball With Chain Replacement	13.44	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement	13.89	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement	85.94	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement	71.73	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails	125.98	
22 01 40 81-0037	EA	Tub Diverter Replacement	41.83	
22 01 40 81-0038	EA	Tub Spout Replacement	29.09	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement	7.63	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement	55.74	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement	26.23	
22 01 40 81-0042	EA	Faucet Bonnet Replacement	30.00	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement	18.42	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement	24.98	
22 01 40 81-0045	EA	Faucet Spout Replacement	29.54	
22 01 40 81-0046	EA	Faucet Stem Replacement	21.15	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements For Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters And Gages For Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for valves.

22 05 29 Hangers And Supports For Plumbing Piping And Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing For Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment *(22 05)*

22 05 48 13 Vibration Controls For Plumbing Piping And Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification For Plumbing Piping And Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	510.28	40.67
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	548.71	51.00
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	685.91	61.62
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	991.94	68.96
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,224.89	74.70
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	590.47	40.67
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	630.11	50.92
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	767.37	61.62
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,073.44	68.96
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,306.33	74.70
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	73.85	12.77
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	78.95	15.29
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	101.87	17.20
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	176.96	19.12
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	269.89	21.02
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	411.63	12.77
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	595.26	13.38
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	636.12	14.14
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	711.45	16.06
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	411.09	12.77
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	594.47	13.38
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	635.26	14.14
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	710.51	16.06
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	398.60	12.77
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	553.41	13.38
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	787.01	14.14
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	953.30	16.06
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	366.07	40.67
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	416.30	50.92
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	545.69	61.62
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	1,335.50	74.70
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	650.80	40.67
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	701.04	50.92
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	811.53	61.62
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,720.09	74.70
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	300.01	33.26
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	335.81	36.31
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	447.83	47.78
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	680.00	56.58
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	1,173.01	66.90
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	54.71	9.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	65.94	10.39
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	115.03	11.47
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	128.55	13.38
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	145.30	15.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	205.65	17.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	304.74	19.12
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	518.45	21.02
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	748.35	22.93
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	22.55	9.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	23.14	9.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	25.36	10.39
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	28.94	11.46
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	34.39	13.38
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	40.91	15.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	44.15	16.11
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	47.78	17.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	66.07	19.11
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	22.08	9.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	22.74	9.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	26.65	10.39
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	29.13	11.47
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	33.83	13.38
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	40.03	15.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	47.30	17.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	58.30	19.12
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	212.50	16.02

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0002		**1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.30	1.56
		For Work In Restricted Working Space, Add	*1.27*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.53	1.56
		For Work In Restricted Working Space, Add	*1.27*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.95	1.64
		For Work In Restricted Working Space, Add	*1.35*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.28	1.71
		For Work In Restricted Working Space, Add	*1.37*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.54	1.71
		For Work In Restricted Working Space, Add	*1.40*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.00	1.78
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.53	1.85
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.11	1.92
		For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.64	2.07
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.65	2.42
		For Work In Restricted Working Space, Add	*1.96*	
22 07 19 00-0013		**1" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.31	2.14
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.66	2.14
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.81	2.14
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.27	2.21
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.60	2.21
		For Work In Restricted Working Space, Add	*1.83*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.09	2.28
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.73	2.42
		For Work In Restricted Working Space, Add	*1.96*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.45	2.49
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.32	2.63
		For Work In Restricted Working Space, Add	*2.16*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.62	3.06
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.01	3.42
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.50	4.06
		For Work In Restricted Working Space, Add	*3.31*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.88	4.63
		For Work In Restricted Working Space, Add	*3.82*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.57	5.06
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0028		**1-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.09	2.20
		For Work In Restricted Working Space, Add	*1.83*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.32	2.20
		For Work In Restricted Working Space, Add	*1.83*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.94	2.33
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.47	2.38
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.91	2.42
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.84	2.55
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.65	2.59
		For Work In Restricted Working Space, Add	*2.16*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.11	2.68
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.84	2.90
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.42	3.39
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.48	3.58
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.71	4.28
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.07	4.99
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.12	5.46
		For Work In Restricted Working Space, Add	*4.54*	
22 07 19 00-0043		**2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.52	2.42
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.79	2.42
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.43	2.49
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.99	2.49
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.61	2.56
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.25	2.63
		For Work In Restricted Working Space, Add	*2.16*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.25	2.71
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.35	2.85
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.46	2.99
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.25	3.51
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.44	3.71
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.23	4.43
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.91	5.32
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.03	5.80
		For Work In Restricted Working Space, Add	*6.18*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	52.97	6.80
		For Work In Restricted Working Space, Add	*6.18*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.10	7.15
		For Work In Restricted Working Space, Add	*6.49*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.88	8.16
		For Work In Restricted Working Space, Add	*7.42*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.72	9.87
		For Work In Restricted Working Space, Add	*8.96*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.61	2.85
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.98	2.85
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.92	2.85
		For Work In Restricted Working Space, Add	*2.36*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.65	2.92
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.42	2.92
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.30	3.06
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.75	3.13
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.02	3.28
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.16	3.42
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.37	3.63
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.67	4.34
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	55.05	4.99
		For Work In Restricted Working Space, Add	*4.11*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.05	6.20
		For Work In Restricted Working Space, Add	*5.10*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.73	6.83
		For Work In Restricted Working Space, Add	*5.57*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.10	8.69
		For Work In Restricted Working Space, Add	*7.12*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	86.77	9.12
		For Work In Restricted Working Space, Add	*7.48*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	98.28	10.40
		For Work In Restricted Working Space, Add	*8.55*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	114.64	12.57
		For Work In Restricted Working Space, Add	*10.33*	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.49	3.14
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.90	3.14
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.89	3.17
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.69	3.19
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.56	3.23
		For Work In Restricted Working Space, Add	*2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.50	3.36
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.08	3.47
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.48	3.60
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.92	3.80
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.55	4.31
		For Work In Restricted Working Space, Add	*3.51*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	50.14	4.80
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.45	5.54
		For Work In Restricted Working Space, Add	*4.52*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.05	6.88
		For Work In Restricted Working Space, Add	*5.61*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	76.57	7.52
		For Work In Restricted Working Space, Add	*6.13*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	87.98	9.60
		For Work In Restricted Working Space, Add	*7.83*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	95.31	10.09
		For Work In Restricted Working Space, Add	*8.23*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	107.94	11.54
		For Work In Restricted Working Space, Add	*9.41*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	125.90	13.93
		For Work In Restricted Working Space, Add	*11.36*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.93	3.42
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.41	3.42
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.93	3.42
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.77	3.49
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.75	3.49
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.73	3.63
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.46	3.78
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.88	3.92
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.80	4.13
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.83	4.70
		For Work In Restricted Working Space, Add	*3.83*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.77	5.20
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.06	5.99
		For Work In Restricted Working Space, Add	*4.93*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.26	7.48
		For Work In Restricted Working Space, Add	*6.13*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	83.70	8.19
		For Work In Restricted Working Space, Add	*6.69*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	96.16	10.40
		For Work In Restricted Working Space, Add	*8.55*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	104.13	10.96
		For Work In Restricted Working Space, Add	*8.97*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	117.97	12.54
		For Work In Restricted Working Space, Add	*10.26*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	137.59	15.10
		For Work In Restricted Working Space, Add	*12.39*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.08	3.85
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.60	3.85
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.86	3.85
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.91	3.92
		For Work In Restricted Working Space, Add	*3.21*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.20	4.06
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.32	4.20
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.02	4.20
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.78	4.41
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.00	4.63
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.68	5.27
		For Work In Restricted Working Space, Add	*4.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.62	5.69
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.31	6.76
		For Work In Restricted Working Space, Add	*5.55*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.44	8.40
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	94.17	9.19
		For Work In Restricted Working Space, Add	*7.53*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.20	11.75
		For Work In Restricted Working Space, Add	*9.62*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	117.12	12.32
		For Work In Restricted Working Space, Add	*10.09*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	130.54	14.10
		For Work In Restricted Working Space, Add	*11.54*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	154.80	17.02
		For Work In Restricted Working Space, Add	*13.94*	

22 07 19 00-0138 Foamglas Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0139 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0140	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	12.86	3.48
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0141	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	13.46	3.48
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0142	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	14.21	3.53
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0143	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	14.57	3.58
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0144	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	15.11	3.63
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0145	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	16.19	3.73
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0146	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	17.50	3.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0147	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	18.97	3.98
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0148	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	22.08	4.28
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0149	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	28.40	4.83
		For Work In Restricted Working Space, Add	*4.39*	

22 07 19 00-0150 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0151	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	15.43	3.85
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0152	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	15.81	3.85
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0153	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	16.34	3.90
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0154	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	16.75	3.95
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0155	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	17.14	4.01
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0156	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.68	4.14
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0157	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.35	4.29
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0158	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.73	4.42
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0159	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.02	4.71
		For Work In Restricted Working Space, Add	*4.15*	
22 07 19 00-0160	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.92	5.33
		For Work In Restricted Working Space, Add	*4.69*	
22 07 19 00-0161	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	35.70	5.95
		For Work In Restricted Working Space, Add	*5.23*	
22 07 19 00-0162	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	43.48	6.86
		For Work In Restricted Working Space, Add	*6.03*	
22 07 19 00-0163	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	51.40	8.53
		For Work In Restricted Working Space, Add	*7.50*	
22 07 19 00-0164	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	57.22	8.97
		For Work In Restricted Working Space, Add	*8.15*	
22 07 19 00-0165	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	62.91	10.02
		For Work In Restricted Working Space, Add	*9.10*	
22 07 19 00-0166	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	71.07	11.84
		For Work In Restricted Working Space, Add	*10.77*	
22 07 19 00-0167	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	79.44	13.11
		For Work In Restricted Working Space, Add	*11.92*	
22 07 19 00-0168	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	100.14	14.53
		For Work In Restricted Working Space, Add	*13.21*	

22 07 19 00-0169 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0170	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	17.45	3.98
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0171	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	18.04	3.98
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0172	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	18.75	4.02
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0173	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	19.83	4.08
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0174	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	20.92	4.13
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0175	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	23.56	4.28
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0176	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	24.73	4.43
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0177	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	26.63	4.58
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0178	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	30.15	4.84
		For Work In Restricted Working Space, Add	*4.40*	
22 07 19 00-0179	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	36.22	5.49
		For Work In Restricted Working Space, Add	*4.99*	
22 07 19 00-0180	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	40.31	6.13
		For Work In Restricted Working Space, Add	*5.57*	
22 07 19 00-0181	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	49.26	7.05
		For Work In Restricted Working Space, Add	*6.42*	
22 07 19 00-0182	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	61.01	8.78
		For Work In Restricted Working Space, Add	*7.97*	
22 07 19 00-0183	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	65.08	9.57
		For Work In Restricted Working Space, Add	*8.71*	
22 07 19 00-0184	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	76.44	12.24
		For Work In Restricted Working Space, Add	*11.13*	
22 07 19 00-0185	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	83.60	12.86
		For Work In Restricted Working Space, Add	*11.68*	
22 07 19 00-0186	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	92.23	14.69
		For Work In Restricted Working Space, Add	*13.35*	
22 07 19 00-0187	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	116.04	17.75
		For Work In Restricted Working Space, Add	*16.13*	

22 07 19 00-0188 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0189	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	21.47	4.31
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0190	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	22.46	4.31
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0191	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	23.68	4.38
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0192	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	24.77	4.41
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0193	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.88	4.45
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0194	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.81	4.63
		For Work In Restricted Working Space, Add	*4.21*	
22 07 19 00-0195	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.67	4.80
		For Work In Restricted Working Space, Add	*4.36*	
22 07 19 00-0196	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	32.36	4.96
		For Work In Restricted Working Space, Add	*4.51*	
22 07 19 00-0197	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.44	5.23
		For Work In Restricted Working Space, Add	*4.75*	
22 07 19 00-0198	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.75	5.95
		For Work In Restricted Working Space, Add	*5.41*	
22 07 19 00-0199	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.74	6.63
		For Work In Restricted Working Space, Add	*6.02*	
22 07 19 00-0200	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.57	7.64
		For Work In Restricted Working Space, Add	*6.95*	
22 07 19 00-0201	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	69.20	9.50
		For Work In Restricted Working Space, Add	*8.63*	
22 07 19 00-0202	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	71.90	10.37
		For Work In Restricted Working Space, Add	*9.43*	
22 07 19 00-0203	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	84.20	13.25
		For Work In Restricted Working Space, Add	*12.05*	
22 07 19 00-0204	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	91.84	13.92
		For Work In Restricted Working Space, Add	*12.65*	
22 07 19 00-0205	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	105.65	15.90
		For Work In Restricted Working Space, Add	*14.46*	
22 07 19 00-0206	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	132.71	19.22
		For Work In Restricted Working Space, Add	*17.47*	

22 07 19 00-0207 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0208	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	26.31	4.59
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0209	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	26.90	4.59
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0210	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	27.72	4.67
		For Work In Restricted Working Space, Add	*4.24*	
22 07 19 00-0211	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	28.42	4.70
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0212	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	29.14	4.74
		For Work In Restricted Working Space, Add	*4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	31.42	4.93
		For Work In Restricted Working Space, Add	*4.48*	
22 07 19 00-0214	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	33.60	5.10
		For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0215	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	38.46	5.28
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0216	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	44.18	5.56
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0217	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	48.24	6.33
		For Work In Restricted Working Space, Add	*5.75*	
22 07 19 00-0218	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	54.53	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0219	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	65.23	8.13
		For Work In Restricted Working Space, Add	*7.39*	
22 07 19 00-0220	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	75.37	10.11
		For Work In Restricted Working Space, Add	*9.19*	
22 07 19 00-0221	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	80.57	11.03
		For Work In Restricted Working Space, Add	*10.03*	
22 07 19 00-0222	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	95.63	14.10
		For Work In Restricted Working Space, Add	*12.82*	
22 07 19 00-0223	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	102.55	14.80
		For Work In Restricted Working Space, Add	*13.46*	
22 07 19 00-0224	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	120.43	16.92
		For Work In Restricted Working Space, Add	*15.38*	
22 07 19 00-0225	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	147.38	20.45
		For Work In Restricted Working Space, Add	*18.59*	

22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0227	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	31.66	5.56
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0228	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	32.41	5.56
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0229	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	33.27	5.59
		For Work In Restricted Working Space, Add	*5.09*	
22 07 19 00-0230	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	34.12	5.63
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0231	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	35.09	5.70
		For Work In Restricted Working Space, Add	*5.19*	
22 07 19 00-0232	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	38.84	5.91
		For Work In Restricted Working Space, Add	*5.36*	
22 07 19 00-0233	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	42.62	6.11
		For Work In Restricted Working Space, Add	*5.55*	
22 07 19 00-0234	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	45.11	6.33
		For Work In Restricted Working Space, Add	*5.75*	
22 07 19 00-0235	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	48.36	6.69
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0236	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	55.73	7.59
		For Work In Restricted Working Space, Add	*6.90*	
22 07 19 00-0237	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	63.49	8.46
		For Work In Restricted Working Space, Add	*7.69*	
22 07 19 00-0238	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	76.15	9.76
		For Work In Restricted Working Space, Add	*8.87*	
22 07 19 00-0239	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	89.60	12.12
		For Work In Restricted Working Space, Add	*11.02*	
22 07 19 00-0240	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	93.10	13.24
		For Work In Restricted Working Space, Add	*12.04*	
22 07 19 00-0241	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	110.93	16.92
		For Work In Restricted Working Space, Add	*15.38*	
22 07 19 00-0242	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	122.45	17.77
		For Work In Restricted Working Space, Add	*16.15*	
22 07 19 00-0243	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	139.36	20.32
		For Work In Restricted Working Space, Add	*18.47*	
22 07 19 00-0244	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	171.40	24.53
		For Work In Restricted Working Space, Add	*22.31*	

22 07 19 00-0245 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0246	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	38.51	6.83
		For Work In Restricted Working Space, Add	*6.21*	
22 07 19 00-0247	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	39.47	6.83
		For Work In Restricted Working Space, Add	*6.21*	
22 07 19 00-0248	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	40.80	6.95
		For Work In Restricted Working Space, Add	*6.32*	
22 07 19 00-0249	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	42.00	7.03
		For Work In Restricted Working Space, Add	*6.39*	
22 07 19 00-0250	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	43.64	7.26
		For Work In Restricted Working Space, Add	*6.59*	
22 07 19 00-0251	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	47.37	7.48
		For Work In Restricted Working Space, Add	*6.80*	
22 07 19 00-0252	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	50.78	7.60
		For Work In Restricted Working Space, Add	*6.91*	
22 07 19 00-0253	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	53.36	7.88
		For Work In Restricted Working Space, Add	*7.16*	
22 07 19 00-0254	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	58.21	8.78
		For Work In Restricted Working Space, Add	*7.98*	
22 07 19 00-0255	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	67.82	9.43
		For Work In Restricted Working Space, Add	*8.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0256	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	76.85	10.23
		For Work In Restricted Working Space, Add	*9.30*	
22 07 19 00-0257	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	87.71	12.15
		For Work In Restricted Working Space, Add	*11.04*	
22 07 19 00-0258	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	101.90	15.09
		For Work In Restricted Working Space, Add	*13.72*	
22 07 19 00-0259	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	110.75	16.48
		For Work In Restricted Working Space, Add	*14.99*	
22 07 19 00-0260	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	130.46	21.07
		For Work In Restricted Working Space, Add	*19.16*	
22 07 19 00-0261	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	146.05	22.08
		For Work In Restricted Working Space, Add	*20.08*	
22 07 19 00-0262	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	163.37	25.27
		For Work In Restricted Working Space, Add	*22.98*	
22 07 19 00-0263	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	208.22	30.54
		For Work In Restricted Working Space, Add	*27.76*	

22 07 19 00-0264 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0265 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0266	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.83	2.13
		For Work In Restricted Working Space, Add	*1.28*	
22 07 19 00-0267	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.84	2.13
		For Work In Restricted Working Space, Add	*1.28*	
22 07 19 00-0268	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.07	2.21
		For Work In Restricted Working Space, Add	*1.32*	
22 07 19 00-0269	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.31	2.28
		For Work In Restricted Working Space, Add	*1.37*	
22 07 19 00-0270	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.60	2.32
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-0271	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.95	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0272	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.10	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0273	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.56	2.36
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-0274	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.35	2.43
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0275	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.69	2.47
		For Work In Restricted Working Space, Add	*1.49*	

22 07 19 00-0276 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0277	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.47	2.32
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-0278	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.56	2.32
		For Work In Restricted Working Space, Add	*1.40*	
22 07 19 00-0279	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.68	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0280	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.85	2.37
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-0281	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.27	2.43
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-0282	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.65	2.47
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0283	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.07	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0284	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.63	2.54
		For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0285	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.56	2.62
		For Work In Restricted Working Space, Add	*1.57*	
22 07 19 00-0286	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.60	2.66
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0287	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.59	2.69
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0288	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.16	2.73
		For Work In Restricted Working Space, Add	*1.64*	

22 07 19 00-0289 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0290	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.24	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0291	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.32	2.54
		For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0292	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.89	2.62
		For Work In Restricted Working Space, Add	*1.57*	
22 07 19 00-0293	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.15	2.66
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0294	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.91	2.73
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0295	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.77	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0296	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.16	2.78
		For Work In Restricted Working Space, Add	*1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0297	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.82	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0298	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.03	2.87
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0299	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.10	2.92
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0300	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.73	2.95
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0301	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.37	2.99
		For Work In Restricted Working Space, Add	*1.80*	

22 07 19 00-0302 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0264)*

22 07 19 00-0303	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.28	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0304	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.54	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0305	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.43	2.87
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0306	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.68	2.92
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0307	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.11	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0308	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.73	3.07
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0309	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.99	3.10
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0310	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.41	3.14
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0311	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.35	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0312	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.22	3.26
		For Work In Restricted Working Space, Add	*1.95*	

22 07 19 00-0313 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0314 3/8" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0313)*

22 07 19 00-0315	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.56	2.13
		For Work In Restricted Working Space, Add	*1.28*	
22 07 19 00-0316	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.77	2.13
		For Work In Restricted Working Space, Add	*1.28*	
22 07 19 00-0317	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.05	2.21
		For Work In Restricted Working Space, Add	*1.32*	
22 07 19 00-0318	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.25	2.25
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-0319	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.46	2.28
		For Work In Restricted Working Space, Add	*1.37*	
22 07 19 00-0320	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.78	2.32
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-0321	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.05	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0322	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.42	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0323	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.73	2.36
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-0324	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.05	2.39
		For Work In Restricted Working Space, Add	*1.44*	
22 07 19 00-0325	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.43	2.43
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-0326	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.82	2.43
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0327	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.08	2.47
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0328	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.46	2.47
		For Work In Restricted Working Space, Add	*1.49*	
22 07 19 00-0329	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.39	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0330	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.45	2.54
		For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0331	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.68	2.56
		For Work In Restricted Working Space, Add	*1.54*	

22 07 19 00-0332 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0313)*

22 07 19 00-0333	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.62	2.32
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-0334	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.77	2.32
		For Work In Restricted Working Space, Add	*1.40*	
22 07 19 00-0335	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.92	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0336	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.21	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0337	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.44	2.36
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-0338	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.88	2.43
		For Work In Restricted Working Space, Add	*1.46*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0339		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.36	2.47
			For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0340		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.75	2.51
			For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0341		LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.24	2.53
			For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-0342		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.62	2.54
			For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0343		LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.16	2.59
			For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-0344		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.05	2.62
			For Work In Restricted Working Space, Add	*1.57*	
22 07 19 00-0345		LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.74	2.64
			For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-0346		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.31	2.66
			For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0347		LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.73	2.68
			For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0348		LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.06	2.69
			For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0349		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.86	2.73
			For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0350		LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.26	2.75
			For Work In Restricted Working Space, Add	*1.65*	
22 07 19 00-0351		LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.07	2.77
			For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0352		LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.04	2.84
			For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0353		LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.27	2.92
			For Work In Restricted Working Space, Add	*1.75*	

22 07 19 00-0354 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0313)*

22 07 19 00-0355		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.18	2.51
			For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0356		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.53	2.54
			For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0357		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.98	2.62
			For Work In Restricted Working Space, Add	*1.57*	
22 07 19 00-0358		LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.34	2.64
			For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-0359		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.47	2.66
			For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0360		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.25	2.73
			For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0361		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.96	2.77
			For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0362		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.66	2.80
			For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0363		LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.88	2.80
			For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0364		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.13	2.83
			For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0365		LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.06	2.84
			For Work In Restricted Working Space, Add	*1.71*	
22 07 19 00-0366		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.47	2.87
			For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0367		LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.53	2.90
			For Work In Restricted Working Space, Add	*1.74*	
22 07 19 00-0368		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.25	2.92
			For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0369		LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.36	2.94
			For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0370		LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.77	2.95
			For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0371		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.43	2.99
			For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0372		LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.79	3.01
			For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0373		LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.13	3.02
			For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0374		LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.52	3.07
			For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0375		LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.33	3.14
			For Work In Restricted Working Space, Add	*1.88*	

22 07 19 00-0376 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0313)*

22 07 19 00-0377		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.18	2.76
			For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0378		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.63	2.80
			For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0379		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.13	2.87
			For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0380		LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.70	2.90
			For Work In Restricted Working Space, Add	*1.74*	
22 07 19 00-0381		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.19	2.92
			For Work In Restricted Working Space, Add	*1.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.91	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.14	3.07
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.79	3.07
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.74	3.10
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.05	3.14
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.12	3.18
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.72	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.82	3.24
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.40	3.26
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-0391	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.48	3.28
		For Work In Restricted Working Space, Add	*1.96*	
22 07 19 00-0392	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.98	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0393	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.90	3.37
		For Work In Restricted Working Space, Add	*2.02*	
22 07 19 00-0394	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.57	3.41
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0395	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.61	3.44
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0396	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.76	3.52
		For Work In Restricted Working Space, Add	*2.11*	

22 07 19 00-0397 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0313)*

22 07 19 00-0398	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.39	3.09
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0399	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.91	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0400	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.49	3.18
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0401	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.09	3.21
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-0402	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.73	3.29
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0403	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.80	3.41
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0404	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.75	3.36
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0405	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.38	3.44
		For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-0406	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.34	3.52
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0407	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.64	3.56
		For Work In Restricted Working Space, Add	*2.13*	
22 07 19 00-0408	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.78	3.61
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0409	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.24	3.62
		For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0410	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.68	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0411	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.41	3.65
		For Work In Restricted Working Space, Add	*2.19*	
22 07 19 00-0412	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.47	3.66
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0413	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.14	3.80
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0414	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	48.19	3.85
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-0415	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	55.85	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0416	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	63.29	4.03
		For Work In Restricted Working Space, Add	*2.42*	

22 07 19 00-0417 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0313)*

22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.69	3.42
		For Work In Restricted Working Space, Add	*2.05*	
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.17	3.47
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.05	3.50
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.02	3.53
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.26	3.60
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.74	3.77
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.45	3.68
		For Work In Restricted Working Space, Add	*2.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	46.41	3.80
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.25	3.93
		For Work In Restricted Working Space, Add	*2.36*	
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	51.18	3.98
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	55.29	4.03
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	55.73	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	59.61	4.04
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	62.31	4.06
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	65.20	4.08
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	74.35	4.27
		For Work In Restricted Working Space, Add	*2.56*	
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	79.70	4.35
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	81.07	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	92.25	4.63
		For Work In Restricted Working Space, Add	*2.77*	

22 07 19 00-0437 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0438 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.74	2.13
		For Work In Restricted Working Space, Add	*1.28*	
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.82	2.13
		For Work In Restricted Working Space, Add	*1.28*	
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.00	2.21
		For Work In Restricted Working Space, Add	*1.32*	
22 07 19 00-0442	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.25	2.28
		For Work In Restricted Working Space, Add	*1.37*	
22 07 19 00-0443	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.41	2.32
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-0444	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.71	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0445	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.95	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0446	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.12	2.43
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-0447	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.88	2.43
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0448	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.56	2.47
		For Work In Restricted Working Space, Add	*1.49*	
22 07 19 00-0449	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.37	2.54
		For Work In Restricted Working Space, Add	*1.53*	

22 07 19 00-0450 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

22 07 19 00-0451	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.39	2.32
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-0452	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.45	2.32
		For Work In Restricted Working Space, Add	*1.40*	
22 07 19 00-0453	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.58	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-0454	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.76	2.36
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-0455	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.97	2.43
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-0456	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.30	2.47
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0457	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.66	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0458	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.02	2.54
		For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0459	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.82	2.62
		For Work In Restricted Working Space, Add	*1.57*	
22 07 19 00-0460	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.56	2.66
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0461	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.96	2.73
		For Work In Restricted Working Space, Add	*1.64*	

22 07 19 00-0462 3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

22 07 19 00-0463	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.13	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-0464	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.39	2.54
		For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-0465	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.66	2.62
		For Work In Restricted Working Space, Add	*1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0466	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.16	2.66
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0467	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.59	2.73
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0468	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.41	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0469	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.95	2.77
		For Work In Restricted Working Space, Add	*1.67*	
22 07 19 00-0470	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.56	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0471	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.73	2.87
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0472	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.81	2.92
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0473	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.88	2.99
		For Work In Restricted Working Space, Add	*1.80*	

22 07 19 00-0474 1" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0437)*

22 07 19 00-0475	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.49	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0476	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.61	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0477	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.89	2.87
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0478	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.62	2.92
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0479	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.20	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0480	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.78	3.07
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0481	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.38	3.07
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0482	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.75	3.14
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0483	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.57	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0484	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.88	3.26
		For Work In Restricted Working Space, Add	*1.95*	

22 07 19 00-0485 Flexible Elastomeric Unicellular Insulation *(22 07 19)*

Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0486	LF	1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.33	2.36
		For Work In Restricted Working Space, Add	*1.42*	
		For 3/8" Thick Covering, Deduct	*-0.48*	
		For 3/4" Thick Covering, Add	*0.93*	
		For 1" Thick Covering, Add	*1.77*	
22 07 19 00-0487	LF	3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.46	2.36
		For Work In Restricted Working Space, Add	*1.43*	
		For 3/8" Thick Covering, Deduct	*-0.51*	
		For 3/4" Thick Covering, Add	*1.01*	
		For 1" Thick Covering, Add	*1.91*	
22 07 19 00-0488	LF	1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.64	2.43
		For Work In Restricted Working Space, Add	*1.46*	
		For 3/8" Thick Covering, Deduct	*-0.53*	
		For 3/4" Thick Covering, Add	*1.06*	
		For 1" Thick Covering, Add	*2.01*	
22 07 19 00-0489	LF	1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.91	2.47
		For Work In Restricted Working Space, Add	*1.48*	
		For 3/8" Thick Covering, Deduct	*-0.59*	
		For 3/4" Thick Covering, Add	*1.22*	
		For 1" Thick Covering, Add	*2.30*	
		For 1-1/2" (37 mm) Thick Covering, Add	*3.66*	
22 07 19 00-0490	LF	1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.16	2.51
		For Work In Restricted Working Space, Add	*1.50*	
		For 3/8" Thick Covering, Deduct	*-0.64*	
		For 3/4" Thick Covering, Add	*1.36*	
		For 1" Thick Covering, Add	*2.55*	
		For 1-1/2" (37 mm) Thick Covering, Add	*4.13*	
22 07 19 00-0491	LF	2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.45	2.54
		For Work In Restricted Working Space, Add	*1.53*	
		For 3/8" Thick Covering, Deduct	*-0.70*	
		For 3/4" Thick Covering, Add	*1.53*	
		For 1" Thick Covering, Add	*2.85*	
		For 1-1/2" (37 mm) Thick Covering, Add	*4.67*	
22 07 19 00-0492	LF	2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.06	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For 3/8" Thick Covering, Deduct	*-0.82*	
		For 3/4" Thick Covering, Add	*1.90*	
		For 1" Thick Covering, Add	*3.52*	
		For 1-1/2" (37 mm) Thick Covering, Add	*5.88*	
22 07 19 00-0493	LF	3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.59	2.66
		For Work In Restricted Working Space, Add	*1.59*	
		For 3/8" Thick Covering, Deduct	*-0.94*	
		For 3/4" Thick Covering, Add	*2.24*	
		For 1" Thick Covering, Add	*4.14*	
		For 1-1/2" (37 mm) Thick Covering, Add	*7.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0494	LF	3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.11	2.69
		For Work In Restricted Working Space, Add	*1.61*	
		For 3/8" Thick Covering, Deduct	*-1.06*	
		For 3/4" Thick Covering, Add	*2.59*	
		For 1" Thick Covering, Add	*4.76*	
		For 1-1/2" (37 mm) Thick Covering, Add	*8.17*	
22 07 19 00-0495	LF	4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.63	2.73
		For Work In Restricted Working Space, Add	*1.64*	
		For 3/8" Thick Covering, Deduct	*-1.17*	
		For 3/4" Thick Covering, Add	*2.92*	
		For 1" Thick Covering, Add	*5.37*	
		For 1-1/2" (37 mm) Thick Covering, Add	*9.29*	
22 07 19 00-0496		Insulation Foam Rubber *(22 07 19)*		
22 07 19 00-0497		Covering 4x6 Sheet *(22 07 19 00-0496)*		
22 07 19 00-0498	SF	1" Thick Foam Rubber Sheet Insulation	14.61	5.06
22 07 19 00-0499		Insulation Protective Jacketing *(22 07 19)*		
		Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0500		Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0499)*		
22 07 19 00-0501		Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0500)*		
22 07 19 00-0502	SF	0.006" Aluminum Insulation Jacket With Bands	10.76	4.56
22 07 19 00-0503	SF	0.016" Aluminum Insulation Jacket With Bands	11.15	4.56
22 07 19 00-0504		16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0500)*		
22 07 19 00-0505	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	5.48	1.29
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0506	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	5.69	1.32
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0507	LF	1" ID, 0.016" Aluminum Insulation Jacketing	5.90	1.36
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0508	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	6.13	1.39
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0509	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	6.30	1.41
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0510	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	6.47	1.43
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0511	LF	2" ID, 0.016" Aluminum Insulation Jacketing	6.68	1.46
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0512	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	6.90	1.49
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0513	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.13	1.52
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0514	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	7.32	1.55
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0515	LF	3" ID, 0.016" Aluminum Insulation Jacketing	7.55	1.58
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0516	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.78	1.62
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0517	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.02	1.65
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0518	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.23	1.68
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0519	LF	4" ID, 0.016" Aluminum Insulation Jacketing	8.48	1.72
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0520	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.74	1.77
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0521	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.03	1.81
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0522	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.26	1.85
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0523	LF	5" ID, 0.016" Aluminum Insulation Jacketing	9.55	1.89
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0524	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.84	1.96
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0525	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.10	2.00
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0526	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.42	2.05
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0527	LF	6" ID, 0.016" Aluminum Insulation Jacketing	10.76	2.11
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0528	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.98	2.15
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0529	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.20	2.18
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0530	LF	7" ID, 0.016" Aluminum Insulation Jacketing	11.56	2.23
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0531	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.87	2.28
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0532	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.10	2.32
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0533	LF	8" ID, 0.016" Aluminum Insulation Jacketing	12.44	2.36
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0534	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.77	2.40
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0535	LF	9" ID, 0.016" Aluminum Insulation Jacketing	13.21	2.46
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0536	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.57	2.50
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0537	LF	10" ID, 0.016" Aluminum Insulation Jacketing	13.93	2.54
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0538	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.29	2.59
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0539	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	14.76	2.66
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0540	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.15	2.71
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0541	LF	12" ID, 0.016" Aluminum Insulation Jacketing	15.55	2.76
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0542	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.06	2.85
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0543	LF	13" ID, 0.016" Aluminum Insulation Jacketing	16.35	2.88
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0544	LF	14" ID, 0.016" Aluminum Insulation Jacketing	16.84	2.90
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0545	LF	15" ID, 0.016" Aluminum Insulation Jacketing	17.43	2.96
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0546	LF	16" ID, 0.016" Aluminum Insulation Jacketing	17.92	3.00
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0547	LF	17" ID, 0.016" Aluminum Insulation Jacketing	18.54	3.06
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0548	LF	18" ID, 0.016" Aluminum Insulation Jacketing	18.93	3.09
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0549	LF	19" ID, 0.016" Aluminum Insulation Jacketing	19.68	3.16
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0550	LF	20" ID, 0.016" Aluminum Insulation Jacketing	20.19	3.20
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0551	LF	21" ID, 0.016" Aluminum Insulation Jacketing	20.85	3.28
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0552	LF	22" ID, 0.016" Aluminum Insulation Jacketing	21.36	3.32
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0553	LF	23" ID, 0.016" Aluminum Insulation Jacketing	22.03	3.40
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0554	LF	24" ID, 0.016" Aluminum Insulation Jacketing	22.56	3.44
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	

22 07 19 00-0555 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0500)*

22 07 19 00-0556	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	6.07	1.42
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0557	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	6.32	1.46
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0558	LF	1" ID, 0.020" Aluminum Insulation Jacketing	6.58	1.49
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0559	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	6.85	1.53
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0560	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	7.05	1.55
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0561	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	7.25	1.57
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0562	LF	2" ID, 0.020" Aluminum Insulation Jacketing	7.50	1.60
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0563	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	7.74	1.64
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0564	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	8.01	1.67
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0565	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	8.23	1.70
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0566	LF	3" ID, 0.020" Aluminum Insulation Jacketing	8.51	1.74
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0567	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	8.78	1.78
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0568	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	9.07	1.82
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0569	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	9.31	1.85
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0570	LF	4" ID, 0.020" Aluminum Insulation Jacketing	9.60	1.89
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0571	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	9.91	1.95
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0572	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	10.23	2.00
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0573	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	10.50	2.04
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0574	LF	5" ID, 0.020" Aluminum Insulation Jacketing	10.82	2.09
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0575	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	11.18	2.15
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0576	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.47	2.19
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0577	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.85	2.26
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0578	LF	6" ID, 0.020" Aluminum Insulation Jacketing	12.22	2.32
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0579	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.48	2.36
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0580	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.73	2.39
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0581	LF	7" ID, 0.020" Aluminum Insulation Jacketing	13.18	2.45
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0582	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.53	2.51
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0583	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.80	2.55
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0584	LF	8" ID, 0.020" Aluminum Insulation Jacketing	14.21	2.59
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0585	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.60	2.63
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0586	LF	9" ID, 0.020" Aluminum Insulation Jacketing	15.09	2.70
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0587	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.53	2.75
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0588	LF	10" ID, 0.020" Aluminum Insulation Jacketing	15.95	2.80
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0589	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.39	2.85
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0590	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	16.93	2.93
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0591	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.39	2.98
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0592	LF	12" ID, 0.020" Aluminum Insulation Jacketing	17.86	3.04
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0593	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.45	3.13
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0594	LF	13" ID, 0.020" Aluminum Insulation Jacketing	18.80	3.16
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0595	LF	14" ID, 0.020" Aluminum Insulation Jacketing	19.40	3.19
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0596	LF	15" ID, 0.020" Aluminum Insulation Jacketing	20.13	3.27
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0597	LF	16" ID, 0.020" Aluminum Insulation Jacketing	20.73	3.30
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0598	LF	17" ID, 0.020" Aluminum Insulation Jacketing	21.46	3.37
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0599	LF	18" ID, 0.020" Aluminum Insulation Jacketing	21.92	3.41
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0600	LF	19" ID, 0.020" Aluminum Insulation Jacketing	22.84	3.48
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0601	LF	20" ID, 0.020" Aluminum Insulation Jacketing	23.46	3.52
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0602	LF	21" ID, 0.020" Aluminum Insulation Jacketing	24.25	3.60
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0603	LF	22" ID, 0.020" Aluminum Insulation Jacketing	24.86	3.65
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0604	LF	23" ID, 0.020" Aluminum Insulation Jacketing	25.68	3.73
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0605	LF	24" ID, 0.020" Aluminum Insulation Jacketing	26.32	3.78
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	

22 07 19 00-0606 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0500)*

22 07 19 00-0607	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	6.68	1.55
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0608	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	6.96	1.59
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0609	LF	1" ID, 0.024" Aluminum Insulation Jacketing	7.24	1.63
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0610	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	7.54	1.66
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0611	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	7.77	1.69
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0612	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	8.01	1.71
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0613	LF	2" ID, 0.024" Aluminum Insulation Jacketing	8.29	1.75
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0614	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	8.57	1.79
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0615	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	8.89	1.82
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0616	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	9.13	1.85
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0617	LF	3" ID, 0.024" Aluminum Insulation Jacketing	9.45	1.89
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0618	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	9.76	1.95
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0619	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	10.08	1.99
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0620	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	10.35	2.03
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0621	LF	4" ID, 0.024" Aluminum Insulation Jacketing	10.68	2.08
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0622	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	11.04	2.13
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0623	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	11.40	2.18
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0624	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	11.70	2.22
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0625	LF	5" ID, 0.024" Aluminum Insulation Jacketing	12.08	2.28
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0626	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	12.46	2.34
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0627	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.79	2.39
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0628	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	13.23	2.46
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0629	LF	6" ID, 0.024" Aluminum Insulation Jacketing	13.65	2.53
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0630	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	13.94	2.57
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0631	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	14.23	2.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0632	LF	7" ID, 0.024" Aluminum Insulation Jacketing	14.73	2.67
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0633	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	15.12	2.73
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0634	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.44	2.78
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0635	LF	8" ID, 0.024" Aluminum Insulation Jacketing	15.90	2.83
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0636	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	16.36	2.87
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0637	LF	9" ID, 0.024" Aluminum Insulation Jacketing	16.93	2.94
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0638	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	17.42	3.00
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0639	LF	10" ID, 0.024" Aluminum Insulation Jacketing	17.90	3.05
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0640	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	18.40	3.10
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0641	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	19.02	3.19
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0642	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.55	3.26
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0643	LF	12" ID, 0.024" Aluminum Insulation Jacketing	20.08	3.32
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0644	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	20.76	3.42
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0645	LF	13" ID, 0.024" Aluminum Insulation Jacketing	21.17	3.46
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0646	LF	14" ID, 0.024" Aluminum Insulation Jacketing	21.87	3.49
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0647	LF	15" ID, 0.024" Aluminum Insulation Jacketing	22.70	3.56
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0648	LF	16" ID, 0.024" Aluminum Insulation Jacketing	23.41	3.60
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0649	LF	17" ID, 0.024" Aluminum Insulation Jacketing	24.26	3.68
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0650	LF	18" ID, 0.024" Aluminum Insulation Jacketing	24.80	3.72
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0651	LF	19" ID, 0.024" Aluminum Insulation Jacketing	25.87	3.80
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0652	LF	20" ID, 0.024" Aluminum Insulation Jacketing	26.60	3.84
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0653	LF	21" ID, 0.024" Aluminum Insulation Jacketing	27.50	3.93
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0654	LF	22" ID, 0.024" Aluminum Insulation Jacketing	28.22	3.97
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0655	LF	23" ID, 0.024" Aluminum Insulation Jacketing	29.16	4.07
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0656	LF	24" ID, 0.024" Aluminum Insulation Jacketing	29.91	4.12
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.34*	

22 07 19 00-0657 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0500)*

22 07 19 00-0658	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	7.51	1.72
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0659	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	7.84	1.76
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0660	LF	1" ID, 0.032" Aluminum Insulation Jacketing	8.20	1.80
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0661	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	8.56	1.84
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0662	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	8.85	1.87
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0663	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	9.15	1.90
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0664	LF	2" ID, 0.032" Aluminum Insulation Jacketing	9.48	1.95
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0665	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	9.83	1.99
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0666	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	10.20	2.03
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0667	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	10.51	2.06
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0668	LF	3" ID, 0.032" Aluminum Insulation Jacketing	10.90	2.11
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0669	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	11.28	2.16
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0670	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	11.66	2.21
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0671	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	12.01	2.24
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0672	LF	4" ID, 0.032" Aluminum Insulation Jacketing	12.40	2.30
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0673	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	12.81	2.36
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0674	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	13.26	2.41
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0675	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	13.64	2.46
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0676	LF	5" ID, 0.032" Aluminum Insulation Jacketing	14.08	2.53
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0677	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	14.54	2.60
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0678	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	14.94	2.65
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0679	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	15.44	2.72
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0680	LF	6" ID, 0.032" Aluminum Insulation Jacketing	15.96	2.80
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0681	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	16.31	2.85
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0682	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	16.66	2.89
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0683	LF	7" ID, 0.032" Aluminum Insulation Jacketing	17.28	2.96
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0684	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	17.74	3.03
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0685	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.12	3.08
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0686	LF	8" ID, 0.032" Aluminum Insulation Jacketing	18.71	3.13
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0687	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.27	3.18
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0688	LF	9" ID, 0.032" Aluminum Insulation Jacketing	19.96	3.27
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0689	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	20.58	3.33
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0690	LF	10" ID, 0.032" Aluminum Insulation Jacketing	21.18	3.39
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0691	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.80	3.45
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0692	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	22.54	3.54
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0693	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	23.20	3.61
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0694	LF	12" ID, 0.032" Aluminum Insulation Jacketing	23.85	3.68
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0695	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.66	3.79
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0696	LF	13" ID, 0.032" Aluminum Insulation Jacketing	25.18	3.83
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0697	LF	14" ID, 0.032" Aluminum Insulation Jacketing	26.09	3.87
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0698	LF	15" ID, 0.032" Aluminum Insulation Jacketing	27.13	3.95
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0699	LF	16" ID, 0.032" Aluminum Insulation Jacketing	28.05	3.99
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0700	LF	17" ID, 0.032" Aluminum Insulation Jacketing	29.13	4.07
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0701	LF	18" ID, 0.032" Aluminum Insulation Jacketing	29.82	4.12
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0702	LF	19" ID, 0.032" Aluminum Insulation Jacketing	31.16	4.21
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0703	LF	20" ID, 0.032" Aluminum Insulation Jacketing	32.10	4.25
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0704	LF	21" ID, 0.032" Aluminum Insulation Jacketing	33.21	4.35
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0705	LF	22" ID, 0.032" Aluminum Insulation Jacketing	34.16	4.40
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0706	LF	23" ID, 0.032" Aluminum Insulation Jacketing	35.33	4.51
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0707	LF	24" ID, 0.032" Aluminum Insulation Jacketing	36.28	4.57
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	

22 07 19 00-0708 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0500)*

22 07 19 00-0709	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	8.69	1.99
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0710	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	9.11	2.03
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0711	LF	1" ID, 0.040" Aluminum Insulation Jacketing	9.53	2.08
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0712	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	9.97	2.13
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0713	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	10.32	2.16
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0714	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	10.68	2.19
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0715	LF	2" ID, 0.040" Aluminum Insulation Jacketing	11.09	2.24
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0716	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	11.51	2.28
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0717	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	11.96	2.33
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0718	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	12.34	2.37
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0719	LF	3" ID, 0.040" Aluminum Insulation Jacketing	12.80	2.42
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0720	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	13.26	2.48
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0721	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	13.72	2.53
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0722	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	14.13	2.58
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0723	LF	4" ID, 0.040" Aluminum Insulation Jacketing	14.60	2.64
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0724	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	15.09	2.71
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0725	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	15.64	2.77
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0726	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	16.08	2.83
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0727	LF	5" ID, 0.040" Aluminum Insulation Jacketing	16.61	2.90
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0728	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	17.16	2.98
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0729	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	17.64	3.04
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0730	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	18.25	3.13
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0731	LF	6" ID, 0.040" Aluminum Insulation Jacketing	18.84	3.22
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0732	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	19.27	3.28
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0733	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.70	3.33
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0734	LF	7" ID, 0.040" Aluminum Insulation Jacketing	20.43	3.41
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0735	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	21.00	3.49
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0736	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	21.45	3.55
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0737	LF	8" ID, 0.040" Aluminum Insulation Jacketing	22.16	3.61
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0738	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	22.85	3.66
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0739	LF	9" ID, 0.040" Aluminum Insulation Jacketing	23.69	3.76
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0740	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	24.43	3.82
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0741	LF	10" ID, 0.040" Aluminum Insulation Jacketing	25.17	3.89
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0742	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.91	3.96
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0743	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	26.82	4.07
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0744	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.62	4.15
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0745	LF	12" ID, 0.040" Aluminum Insulation Jacketing	28.39	4.23
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0746	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	29.35	4.35
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0747	LF	13" ID, 0.040" Aluminum Insulation Jacketing	29.99	4.40
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0748	LF	14" ID, 0.040" Aluminum Insulation Jacketing	31.12	4.44
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0749	LF	15" ID, 0.040" Aluminum Insulation Jacketing	32.40	4.54
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0750	LF	16" ID, 0.040" Aluminum Insulation Jacketing	33.54	4.59
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0751	LF	17" ID, 0.040" Aluminum Insulation Jacketing	34.85	4.69
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0752	LF	18" ID, 0.040" Aluminum Insulation Jacketing	35.69	4.74
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0753	LF	19" ID, 0.040" Aluminum Insulation Jacketing	37.34	4.85
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0754	LF	20" ID, 0.040" Aluminum Insulation Jacketing	38.51	4.90
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0755	LF	21" ID, 0.040" Aluminum Insulation Jacketing	39.86	5.01
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0756	LF	22" ID, 0.040" Aluminum Insulation Jacketing	41.03	5.07
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0757	LF	23" ID, 0.040" Aluminum Insulation Jacketing	42.45	5.19
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0758	LF	24" ID, 0.040" Aluminum Insulation Jacketing	43.61	5.25
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	

22 07 19 00-0759 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0500)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0760	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	12.69	2.04
22 07 19 00-0761	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	12.99	2.11
22 07 19 00-0762	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.49	2.19
22 07 19 00-0763	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.62	2.23
22 07 19 00-0764	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.76	2.26
22 07 19 00-0765	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.98	2.32
22 07 19 00-0766	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.69	2.38
22 07 19 00-0767	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.94	2.44
22 07 19 00-0768	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.24	2.48
22 07 19 00-0769	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.61	2.52
22 07 19 00-0770	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.23	2.59
22 07 19 00-0771	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.64	2.64
22 07 19 00-0772	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.84	2.69
22 07 19 00-0773	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.04	2.74
22 07 19 00-0774	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.29	2.79
22 07 19 00-0775	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.92	2.85
22 07 19 00-0776	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.86	2.93
22 07 19 00-0777	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.10	3.00
22 07 19 00-0778	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.57	3.09
22 07 19 00-0779	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.84	3.16
22 07 19 00-0780	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.57	3.28
22 07 19 00-0781	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.74	3.36
22 07 19 00-0782	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.90	3.40
22 07 19 00-0783	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.77	3.44
22 07 19 00-0784	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.82	3.48
22 07 19 00-0785	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.35	3.56
22 07 19 00-0786	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.72	3.65
22 07 19 00-0787	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.15	3.70
22 07 19 00-0788	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.36	3.75
22 07 19 00-0789	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.09	3.80
22 07 19 00-0790	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.29	3.85
22 07 19 00-0791	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.11	3.96
22 07 19 00-0792	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.33	4.01
22 07 19 00-0793	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	66.88	4.13
22 07 19 00-0794	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	67.12	4.19
22 07 19 00-0795	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	84.79	4.31
22 07 19 00-0796	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.41	4.45
22 07 19 00-0797	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.10	4.52
22 07 19 00-0798	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	13.76	2.26
22 07 19 00-0799	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	13.98	2.32
22 07 19 00-0800	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	14.83	2.38
22 07 19 00-0801	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	15.08	2.44
22 07 19 00-0802	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	16.00	2.48
22 07 19 00-0803	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.18	2.52
22 07 19 00-0804	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.55	2.59
22 07 19 00-0805	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.61	2.64
22 07 19 00-0806	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.81	2.69
22 07 19 00-0807	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	18.01	2.74
22 07 19 00-0808	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.47	2.79
22 07 19 00-0809	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.70	2.85
22 07 19 00-0810	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.45	2.93
22 07 19 00-0811	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.09	3.09
22 07 19 00-0812	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.11	3.28
22 07 19 00-0813	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.41	3.36
22 07 19 00-0814	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.85	3.44
22 07 19 00-0815	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	26.02	3.48
22 07 19 00-0816	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.32	3.56
22 07 19 00-0817	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.69	3.65
22 07 19 00-0818	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.72	3.70
22 07 19 00-0819	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.93	3.75
22 07 19 00-0820	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.78	3.80
22 07 19 00-0821	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.98	3.85
22 07 19 00-0822	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.34	3.96
22 07 19 00-0823	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.56	4.01
22 07 19 00-0824	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.37	4.19
22 07 19 00-0825	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	51.14	4.31
22 07 19 00-0826	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	70.00	4.45
22 07 19 00-0827	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	74.67	4.52
22 07 19 00-0828	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	73.63	4.60
22 07 19 00-0829	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.70	4.67
22 07 19 00-0830	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	95.97	4.75
22 07 19 00-0831	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	93.76	4.83
22 07 19 00-0832	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	100.01	4.91
22 07 19 00-0833	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	45.39	3.23
22 07 19 00-0834	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	45.69	3.32
22 07 19 00-0835	EA	3" ID, Aluminum Tee Insulation Jacketing	50.21	3.40
22 07 19 00-0836	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	50.55	3.48
22 07 19 00-0837	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	52.65	3.56
22 07 19 00-0838	EA	4" ID, Aluminum Tee Insulation Jacketing	53.43	3.65
22 07 19 00-0839	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	56.06	3.75
22 07 19 00-0840	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	56.13	3.85
22 07 19 00-0841	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	56.55	3.96
22 07 19 00-0842	EA	5" ID, Aluminum Tee Insulation Jacketing	58.53	4.07
22 07 19 00-0843	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	59.01	4.19
22 07 19 00-0844	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	61.38	4.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0845	EA	6" ID, Aluminum Tee Insulation Jacketing	61.93	4.45
22 07 19 00-0846	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	67.45	4.75
22 07 19 00-0847	EA	7" ID, Aluminum Tee Insulation Jacketing	68.10	4.91
22 07 19 00-0848	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	74.24	5.09
22 07 19 00-0849	EA	8" ID, Aluminum Tee Insulation Jacketing	74.99	5.27
22 07 19 00-0850	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	77.22	5.48
22 07 19 00-0851	EA	9" ID, Aluminum Tee Insulation Jacketing	78.10	5.69
22 07 19 00-0852	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	64.30	5.81
22 07 19 00-0853	EA	10" ID, Aluminum Tee Insulation Jacketing	64.79	5.94
22 07 19 00-0854	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	67.98	6.06
22 07 19 00-0855	EA	11" ID, Aluminum Tee Insulation Jacketing	68.50	6.19
22 07 19 00-0856	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	71.44	6.33
22 07 19 00-0857	EA	12" ID, Aluminum Tee Insulation Jacketing	72.01	6.47
22 07 19 00-0858	EA	13" ID, Aluminum Tee Insulation Jacketing	74.90	6.62
22 07 19 00-0859	EA	14" ID, Aluminum Tee Insulation Jacketing	77.91	6.78
22 07 19 00-0860	EA	15" ID, Aluminum Tee Insulation Jacketing	82.71	6.94
22 07 19 00-0861	EA	16" ID, Aluminum Tee Insulation Jacketing	84.79	7.12
22 07 19 00-0862	EA	17" ID, Aluminum Tee Insulation Jacketing	93.94	7.31
22 07 19 00-0863	EA	18" ID, Aluminum Tee Insulation Jacketing	97.23	7.50
22 07 19 00-0864	EA	19" ID, Aluminum Tee Insulation Jacketing	105.17	7.70
22 07 19 00-0865	EA	20" ID, Aluminum Tee Insulation Jacketing	107.64	7.91
22 07 19 00-0866	EA	22" ID, Aluminum Tee Insulation Jacketing	129.22	8.14
22 07 19 00-0867	EA	23" ID, Aluminum Tee Insulation Jacketing	132.87	8.37
22 07 19 00-0868	EA	24" ID, Aluminum Tee Insulation Jacketing	138.69	9.19
22 07 19 00-0869		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0499)*		
22 07 19 00-0870		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0869)*		
22 07 19 00-0871	SF	0.010" Stainless Steel Insulation Jacket With Bands	13.80	5.34
22 07 19 00-0872	SF	0.016" Stainless Steel Insulation Jacket With Bands	17.04	6.41
22 07 19 00-0873		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0869)*		
22 07 19 00-0874	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	7.73	1.14
22 07 19 00-0875	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	8.11	1.16
22 07 19 00-0876	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	8.48	1.19
22 07 19 00-0877	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	8.87	1.21
22 07 19 00-0878	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	9.26	1.24
22 07 19 00-0879	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	9.65	1.27
22 07 19 00-0880	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	10.04	1.29
22 07 19 00-0881	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	10.44	1.32
22 07 19 00-0882	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	10.84	1.36
22 07 19 00-0883	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	11.68	1.42
22 07 19 00-0884	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	12.55	1.50
22 07 19 00-0885	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	13.44	1.58
22 07 19 00-0886	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	14.18	1.63
22 07 19 00-0887	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	14.94	1.67
22 07 19 00-0888	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.74	1.73
22 07 19 00-0889	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	16.43	1.77
22 07 19 00-0890	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	17.14	1.80
22 07 19 00-0891	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	17.84	1.83
22 07 19 00-0892	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	18.55	1.87
22 07 19 00-0893	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	19.26	1.91
22 07 19 00-0894	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	19.98	1.96
22 07 19 00-0895	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	20.71	2.00
22 07 19 00-0896	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	22.17	2.08
22 07 19 00-0897	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	23.63	2.16
22 07 19 00-0898	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	24.88	2.19
22 07 19 00-0899		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0869)*		
22 07 19 00-0900	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	10.66	1.51
22 07 19 00-0901	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	11.19	1.54
22 07 19 00-0902	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	11.73	1.58
22 07 19 00-0903	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	12.28	1.61
22 07 19 00-0904	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	12.82	1.64
22 07 19 00-0905	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	13.37	1.68
22 07 19 00-0906	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	13.93	1.72
22 07 19 00-0907	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	14.49	1.76
22 07 19 00-0908	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	15.08	1.80
22 07 19 00-0909	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	16.26	1.89
22 07 19 00-0910	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	17.47	2.00
22 07 19 00-0911	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	18.72	2.11
22 07 19 00-0912	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	19.78	2.17
22 07 19 00-0913	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	20.87	2.23
22 07 19 00-0914	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	22.00	2.31
22 07 19 00-0915	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	22.98	2.36
22 07 19 00-0916	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	23.97	2.40
22 07 19 00-0917	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	24.99	2.45
22 07 19 00-0918	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	25.99	2.49
22 07 19 00-0919	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	27.00	2.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0920	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	28.04	2.60
22 07 19 00-0921	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	29.07	2.65
22 07 19 00-0922	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	31.17	2.76
22 07 19 00-0923	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	33.22	2.87
22 07 19 00-0924	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	35.02	2.91
22 07 19 00-0925		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0869)*		
22 07 19 00-0926	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	23.03	2.26
22 07 19 00-0927	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	23.25	2.32
22 07 19 00-0928	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	24.12	2.38
22 07 19 00-0929	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	24.37	2.44
22 07 19 00-0930	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.28	2.48
22 07 19 00-0931	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.33	2.52
22 07 19 00-0932	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.22	2.59
22 07 19 00-0933	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.28	2.64
22 07 19 00-0934	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.48	2.69
22 07 19 00-0935	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	35.45	2.79
22 07 19 00-0936	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	47.94	2.93
22 07 19 00-0937	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	52.12	3.09
22 07 19 00-0938	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	67.79	3.28
22 07 19 00-0939	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	68.09	3.36
22 07 19 00-0940	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	77.59	3.44
22 07 19 00-0941	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	78.10	3.56
22 07 19 00-0942	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	80.27	3.56
22 07 19 00-0943	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.04	3.65
22 07 19 00-0944	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	113.47	3.70
22 07 19 00-0945	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	113.68	3.75
22 07 19 00-0946	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	133.27	3.80
22 07 19 00-0947	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	128.11	3.85
22 07 19 00-0948	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	144.00	4.01
22 07 19 00-0949	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	194.04	4.19
22 07 19 00-0950	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	195.74	4.31
22 07 19 00-0951	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	20.71	2.26
22 07 19 00-0952	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	20.93	2.32
22 07 19 00-0953	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	22.04	2.38
22 07 19 00-0954	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	22.29	2.44
22 07 19 00-0955	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	22.62	2.48
22 07 19 00-0956	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	22.80	2.52
22 07 19 00-0957	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	26.69	2.59
22 07 19 00-0958	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.48	2.64
22 07 19 00-0959	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.68	2.69
22 07 19 00-0960	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.88	2.74
22 07 19 00-0961	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.49	2.79
22 07 19 00-0962	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.07	2.93
22 07 19 00-0963	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	40.05	3.09
22 07 19 00-0964	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	40.76	3.28
22 07 19 00-0965	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	60.21	3.36
22 07 19 00-0966	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	61.50	3.44
22 07 19 00-0967	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	61.67	3.48
22 07 19 00-0968	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	70.14	3.56
22 07 19 00-0969	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	70.51	3.65
22 07 19 00-0970	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	80.42	3.70
22 07 19 00-0971	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	80.63	3.75
22 07 19 00-0972	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	94.07	3.80
22 07 19 00-0973	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	94.27	3.85
22 07 19 00-0974	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	101.69	4.01
22 07 19 00-0975	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	117.55	4.19
22 07 19 00-0976		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0499)*		
22 07 19 00-0977		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0976)*		
22 07 19 00-0978	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.49	1.06
22 07 19 00-0979	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.74	1.10
22 07 19 00-0980	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.99	1.14
22 07 19 00-0981	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.27	1.19
22 07 19 00-0982	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.54	1.24
22 07 19 00-0983	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.84	1.29
22 07 19 00-0984	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.16	1.36
22 07 19 00-0985	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.50	1.42
22 07 19 00-0986	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.88	1.50
22 07 19 00-0987	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.29	1.58
22 07 19 00-0988	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.55	1.63
22 07 19 00-0989	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.81	1.67
22 07 19 00-0990	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.14	1.73
22 07 19 00-0991	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.33	1.77
22 07 19 00-0992	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.56	1.80
22 07 19 00-0993	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.77	1.83
22 07 19 00-0994	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.00	1.87
22 07 19 00-0995	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.22	1.91
22 07 19 00-0996	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.45	1.96
22 07 19 00-0997	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.69	2.00
22 07 19 00-0998	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.94	2.04
22 07 19 00-0999	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.18	2.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1000	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.47	2.13
22 07 19 00-1001	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.67	2.16
22 07 19 00-1002	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.74	2.16
22 07 19 00-1003	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.95	2.19
22 07 19 00-1004	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.24	2.23
22 07 19 00-1005	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.53	2.26
22 07 19 00-1006	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.83	2.30
22 07 19 00-1007	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.14	2.34
22 07 19 00-1008	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.43	2.38
22 07 19 00-1009	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.75	2.42
22 07 19 00-1010	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.08	2.46
22 07 19 00-1011	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.40	2.50
22 07 19 00-1012	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.73	2.54
22 07 19 00-1013	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.07	2.59
22 07 19 00-1014	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.41	2.64
22 07 19 00-1015	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.76	2.69
22 07 19 00-1016	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.11	2.74
22 07 19 00-1017	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.48	2.79
22 07 19 00-1018	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.87	2.85
22 07 19 00-1019	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.25	2.90
22 07 19 00-1020		**30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-0976)*		
22 07 19 00-1021	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.91	1.10
22 07 19 00-1022	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.20	1.14
22 07 19 00-1023	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.51	1.19
22 07 19 00-1024	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.82	1.24
22 07 19 00-1025	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.15	1.29
22 07 19 00-1026	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.51	1.36
22 07 19 00-1027	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.89	1.42
22 07 19 00-1028	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.31	1.50
22 07 19 00-1029	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.75	1.58
22 07 19 00-1030	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.04	1.63
22 07 19 00-1031	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.35	1.67
22 07 19 00-1032	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.71	1.73
22 07 19 00-1033	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.95	1.77
22 07 19 00-1034	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.21	1.80
22 07 19 00-1035	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.45	1.83
22 07 19 00-1036	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.72	1.87
22 07 19 00-1037	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.98	1.91
22 07 19 00-1038	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.24	1.96
22 07 19 00-1039	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.52	2.00
22 07 19 00-1040	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.80	2.04
22 07 19 00-1041	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.09	2.08
22 07 19 00-1042	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.41	2.13
22 07 19 00-1043	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.65	2.16
22 07 19 00-1044	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.76	2.16
22 07 19 00-1045	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.01	2.19
22 07 19 00-1046	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.36	2.23
22 07 19 00-1047	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.72	2.26
22 07 19 00-1048	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.10	2.30
22 07 19 00-1049	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.48	2.34
22 07 19 00-1050	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.86	2.38
22 07 19 00-1051	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.24	2.42
22 07 19 00-1052	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.64	2.46
22 07 19 00-1053	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.04	2.50
22 07 19 00-1054	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.44	2.54
22 07 19 00-1055	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.85	2.59
22 07 19 00-1056	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.27	2.64
22 07 19 00-1057	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.69	2.69
22 07 19 00-1058	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.12	2.74
22 07 19 00-1059	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.56	2.79
22 07 19 00-1060	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.02	2.85
22 07 19 00-1061	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.47	2.90
22 07 19 00-1062		**Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings** *(22 07 19 00-0976)*		
22 07 19 00-1063	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.06	2.11
22 07 19 00-1064	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.53	2.19
22 07 19 00-1065	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.75	2.23
22 07 19 00-1066	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.98	2.26
22 07 19 00-1067	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.28	2.32
22 07 19 00-1068	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.56	2.38
22 07 19 00-1069	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.05	2.46
22 07 19 00-1070	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.46	2.52
22 07 19 00-1071	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.08	2.59
22 07 19 00-1072	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.93	2.71
22 07 19 00-1073	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.83	2.85
22 07 19 00-1074	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.19	3.00
22 07 19 00-1075	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.00	3.16
22 07 19 00-1076	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.72	3.28
22 07 19 00-1077	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.44	3.36
22 07 19 00-1078	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.12	3.44
22 07 19 00-1079	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.74	3.56
22 07 19 00-1080	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.49	3.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1081	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	29.57	3.85
22 07 19 00-1082	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	32.28	4.01
22 07 19 00-1083	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	37.27	4.19
22 07 19 00-1084	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	40.70	4.31
22 07 19 00-1085	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	43.00	4.45
22 07 19 00-1086	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	45.58	4.52
22 07 19 00-1087	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	48.89	4.60
22 07 19 00-1088	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	58.03	4.67
22 07 19 00-1089	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	72.41	4.75
22 07 19 00-1090	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	87.97	4.83
22 07 19 00-1091	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	9.06	2.11
22 07 19 00-1092	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	9.53	2.19
22 07 19 00-1093	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	9.75	2.23
22 07 19 00-1094	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	9.98	2.26
22 07 19 00-1095	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	10.28	2.32
22 07 19 00-1096	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	10.56	2.38
22 07 19 00-1097	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.05	2.46
22 07 19 00-1098	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.46	2.52
22 07 19 00-1099	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.08	2.59
22 07 19 00-1100	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.93	2.71
22 07 19 00-1101	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.83	2.85
22 07 19 00-1102	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	15.19	3.00
22 07 19 00-1103	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.00	3.16
22 07 19 00-1104	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.72	3.28
22 07 19 00-1105	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.44	3.36
22 07 19 00-1106	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.12	3.44
22 07 19 00-1107	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.74	3.56
22 07 19 00-1108	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	27.49	3.70
22 07 19 00-1109	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	29.56	3.85
22 07 19 00-1110	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.66	4.01
22 07 19 00-1111	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	34.19	4.19
22 07 19 00-1112	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	37.18	4.31
22 07 19 00-1113	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	39.18	4.45
22 07 19 00-1114	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	42.50	4.52
22 07 19 00-1115	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	45.86	4.60
22 07 19 00-1116	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	52.26	4.67
22 07 19 00-1117	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	64.80	4.75
22 07 19 00-1118	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	71.20	4.83
22 07 19 00-1119	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	13.03	2.96
22 07 19 00-1120	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	13.44	3.03
22 07 19 00-1121	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	13.95	3.13
22 07 19 00-1122	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	14.52	3.23
22 07 19 00-1123	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	15.12	3.36
22 07 19 00-1124	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	15.77	3.48
22 07 19 00-1125	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.57	3.61
22 07 19 00-1126	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.44	3.75
22 07 19 00-1127	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.50	3.90
22 07 19 00-1128	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	19.87	4.07
22 07 19 00-1129	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.33	4.25
22 07 19 00-1130	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	23.83	4.52
22 07 19 00-1131	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.54	4.75
22 07 19 00-1132	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.65	4.83
22 07 19 00-1133	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.08	5.00
22 07 19 00-1134	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.65	5.27
22 07 19 00-1135	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	42.04	5.48
22 07 19 00-1136	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	46.52	5.69
22 07 19 00-1137	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	47.75	5.94
22 07 19 00-1138	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	50.93	6.06
22 07 19 00-1139	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	54.11	6.19
22 07 19 00-1140	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.36	6.33
22 07 19 00-1141	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	60.58	6.47
22 07 19 00-1142	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	63.85	6.62
22 07 19 00-1143	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.13	6.78
22 07 19 00-1144	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	71.82	6.94
22 07 19 00-1145	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.53	7.12
22 07 19 00-1146	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	82.14	7.31
22 07 19 00-1147	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	13.01	2.04
22 07 19 00-1148	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	13.01	2.04
22 07 19 00-1149	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	14.61	2.11
22 07 19 00-1150	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	14.61	2.11
22 07 19 00-1151	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	18.50	2.19
22 07 19 00-1152	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	19.92	2.28
22 07 19 00-1153	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	21.59	2.38
22 07 19 00-1154	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	23.91	2.48
22 07 19 00-1155	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	25.97	2.59
22 07 19 00-1156	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	30.80	2.85
22 07 19 00-1157	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.32	3.16
22 07 19 00-1158	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	45.45	3.56
22 07 19 00-1159	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	55.13	3.80
22 07 19 00-1160	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	74.19	4.19
22 07 19 00-1161	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	75.06	4.38
22 07 19 00-1162	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	96.33	4.52
22 07 19 00-1163	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	126.29	4.67
22 07 19 00-1164	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	12.47	2.04
22 07 19 00-1165	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	12.47	2.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1166	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	13.96	2.11
22 07 19 00-1167	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	13.96	2.11
22 07 19 00-1168	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	17.43	2.19
22 07 19 00-1169	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	18.74	2.28
22 07 19 00-1170	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	20.29	2.38
22 07 19 00-1171	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	21.31	2.48
22 07 19 00-1172	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	24.24	2.59
22 07 19 00-1173	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	28.66	2.85
22 07 19 00-1174	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.17	3.16
22 07 19 00-1175	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.00	3.56
22 07 19 00-1176	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	50.74	3.80
22 07 19 00-1177	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	67.91	4.19
22 07 19 00-1178	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	84.06	4.38
22 07 19 00-1179	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	98.69	4.52
22 07 19 00-1180	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	113.82	4.67
22 07 19 00-1181	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	18.60	3.06
22 07 19 00-1182	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	18.60	3.06
22 07 19 00-1183	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	20.68	3.16
22 07 19 00-1184	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	20.68	3.16
22 07 19 00-1185	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	25.74	3.28
22 07 19 00-1186	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	27.62	3.40
22 07 19 00-1187	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	29.97	3.56
22 07 19 00-1188	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	31.46	3.70
22 07 19 00-1189	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	35.96	3.90
22 07 19 00-1190	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	39.43	4.25
22 07 19 00-1191	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.16	4.75
22 07 19 00-1192	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	57.06	5.27
22 07 19 00-1193	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	74.71	5.69
22 07 19 00-1194	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	99.41	6.19
22 07 19 00-1195	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	116.64	6.62
22 07 19 00-1196	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	135.27	6.78
22 07 19 00-1197	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	146.93	6.94

22 10 Plumbing Piping *(22)*

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	12.25	2.82
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.18*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	13.35	3.03
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.54*	
		For ASTM 120, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*2.97*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	14.95	3.32
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.09*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*3.17*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	17.56	3.45
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.09*	
		For ASTM 120, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*3.37*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	18.80	4.08
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.54*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*3.51*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.61	4.93
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.84*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.38	5.84
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*11.12*	
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.71	7.82
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*13.59*	
		For ASTM 120, Deduct	*-3.27*	
		For Work In Restricted Working Space, Add	*5.68*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	65.51	9.31
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*24.04*	
		For ASTM 120, Deduct	*-6.56*	
		For Work In Restricted Working Space, Add	*6.53*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	132.15	11.90
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*52.90*	
		For ASTM 120, Deduct	*-15.88*	
		For Work In Restricted Working Space, Add	*7.88*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	147.19	14.08
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*58.77*	
		For ASTM 120, Deduct	*-17.60*	
		For Work In Restricted Working Space, Add	*8.96*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.

22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	5.42	2.82
		For Schedule 80 Pipe, Add	*0.98*	
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.28*	
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	6.06	3.03
		For Schedule 80 Pipe, Add	*1.18*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*1.36*	
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	7.18	3.32
		For Schedule 80 Pipe, Add	*1.57*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.48*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	8.27	3.45
		For Schedule 80 Pipe, Add	*1.99*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.57*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	9.78	4.08
		For Schedule 80 Pipe, Add	*2.37*	
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*1.84*	
22 11 16 00-0020	LF	2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	12.32	4.93
		For Schedule 80 Pipe, Add	*3.09*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*2.23*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.58	5.84
		For Schedule 80 Pipe, Add	*4.61*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0022	LF	3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	21.91	7.82
		For Schedule 80 Pipe, Add	*6.06*	
		For ASTM 120, Deduct	*-1.53*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0023	LF	4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	28.48	9.31
		For Schedule 80 Pipe, Add	*8.35*	
		For ASTM 120, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*4.20*	
22 11 16 00-0024	LF	5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	37.23	11.90
		For Schedule 80 Pipe, Add	*11.10*	
		For ASTM 120, Deduct	*-2.91*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0025	LF	6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	46.27	14.08
		For Schedule 80 Pipe, Add	*14.20*	
		For ASTM 120, Deduct	*-3.78*	
		For Work In Restricted Working Space, Add	*6.33*	
22 11 16 00-0026	LF	8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	52.66	17.01
		For Schedule 80 Pipe, Add	*15.60*	
		For ASTM 120, Deduct	*-4.08*	
		For Work In Restricted Working Space, Add	*7.64*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling.

22 11 16 00-0028	LF	1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	8.24	2.82
		For Schedule 80 Pipe, Add	*2.33*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.28*	
22 11 16 00-0029	LF	3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	9.30	3.03
		For Schedule 80 Pipe, Add	*2.74*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0030	LF	1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	10.46	3.32
		For Schedule 80 Pipe, Add	*3.15*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*1.48*	
22 11 16 00-0031	LF	1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	12.17	3.45
		For Schedule 80 Pipe, Add	*3.86*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*1.57*	
22 11 16 00-0032	LF	1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.07	4.08
		For Schedule 80 Pipe, Add	*4.42*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*1.84*	
22 11 16 00-0033	LF	2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	16.46	4.93
		For Schedule 80 Pipe, Add	*5.08*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*2.23*	
22 11 16 00-0034	LF	2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	23.94	5.84
		For Schedule 80 Pipe, Add	*8.14*	
		For ASTM 120, Deduct	*-2.27*	
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0035	LF	3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	30.24	7.82
		For Schedule 80 Pipe, Add	*10.05*	
		For ASTM 120, Deduct	*-2.78*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	40.46	9.31
		For Schedule 80 Pipe, Add	*14.10*	
		For ASTM 120, Deduct	*-3.97*	
		For Work In Restricted Working Space, Add	*4.20*	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	52.34	11.90
		For Schedule 80 Pipe, Add	*18.35*	
		For ASTM 120, Deduct	*-5.18*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	65.25	14.08
		For Schedule 80 Pipe, Add	*23.31*	
		For ASTM 120, Deduct	*-6.62*	
		For Work In Restricted Working Space, Add	*6.33*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	23.51	12.54
		For 300 LB Rating, Add	*17.21*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0041	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	26.83	14.02
		For 300 LB Rating, Add	*21.02*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-0042	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	34.24	15.64
		For 300 LB Rating, Add	*37.99*	
		For ASTM 120, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0043	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	43.59	17.75
		For 300 LB Rating, Add	*59.43*	
		For ASTM 120, Deduct	*-2.55*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0044	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	52.17	20.00
		For 300 LB Rating, Add	*77.28*	
		For ASTM 120, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*8.99*	
22 11 16 00-0045	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	74.43	25.43
		For 300 LB Rating, Add	*125.91*	
		For ASTM 120, Deduct	*-5.45*	
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0046	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	151.48	37.61
		For 300 LB Rating, Add	*326.82*	
		For ASTM 120, Deduct	*-14.27*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0047	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	230.99	49.45
		For 300 LB Rating, Add	*537.74*	
		For ASTM 120, Deduct	*-23.53*	
		For Work In Restricted Working Space, Add	*22.24*	
22 11 16 00-0048	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	358.33	54.47
		For 300 LB Rating, Add	*945.48*	
		For ASTM 120, Deduct	*-41.50*	
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0049	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,279.93	56.85
		For 300 LB Rating, Add	*4,067.06*	
		For ASTM 120, Deduct	*-179.20*	
		For Work In Restricted Working Space, Add	*25.57*	
22 11 16 00-0050	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,190.48	59.44
		For 300 LB Rating, Add	*3,750.00*	
		For ASTM 120, Deduct	*-165.21*	
		For Work In Restricted Working Space, Add	*26.73*	
22 11 16 00-0051	EA	8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,421.85	62.12
		For 300 LB Rating, Add	*4,523.27*	
		For ASTM 120, Deduct	*-199.31*	
		For Work In Restricted Working Space, Add	*27.94*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0053	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	30.00	13.24
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-0054	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	35.21	14.86
		For ASTM 120, Deduct	*-1.94*	
		For Work In Restricted Working Space, Add	*6.68*	
22 11 16 00-0055	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	34.88	14.09
		For ASTM 120, Deduct	*-2.06*	
		For Work In Restricted Working Space, Add	*6.34*	
22 11 16 00-0056	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	46.77	16.70
		For ASTM 120, Deduct	*-3.26*	
		For Work In Restricted Working Space, Add	*7.51*	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	49.92	15.85
		For ASTM 120, Deduct	*-3.92*	
		For Work In Restricted Working Space, Add	*7.14*	
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	50.36	15.15
		For ASTM 120, Deduct	*-4.15*	
		For Work In Restricted Working Space, Add	*6.80*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	63.03	18.87
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*8.48*	
22 11 16 00-0060	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	61.47	17.82
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*8.02*	
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	60.25	16.97
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*7.65*	
22 11 16 00-0062	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	74.62	22.68
		For ASTM 120, Deduct	*-6.09*	
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0063	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	78.87	21.56
		For ASTM 120, Deduct	*-6.98*	
		For Work In Restricted Working Space, Add	*9.70*	
22 11 16 00-0064	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	79.07	20.50
		For ASTM 120, Deduct	*-7.24*	
		For Work In Restricted Working Space, Add	*9.23*	
22 11 16 00-0065	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	66.18	19.72
		For ASTM 120, Deduct	*-5.49*	
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0066	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	184.81	31.48
		For ASTM 120, Deduct	*-20.64*	
		For Work In Restricted Working Space, Add	*14.16*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	196.47	28.81
		For ASTM 120, Deduct	*-23.00*	
		For Work In Restricted Working Space, Add	*12.95*	
22 11 16 00-0068	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	315.34	43.53
		For ASTM 120, Deduct	*-37.52*	
		For Work In Restricted Working Space, Add	*19.57*	
22 11 16 00-0069	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	273.33	37.40
		For ASTM 120, Deduct	*-32.58*	
		For Work In Restricted Working Space, Add	*16.83*	
22 11 16 00-0070	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	643.65	51.81
		For ASTM 120, Deduct	*-84.89*	
		For Work In Restricted Working Space, Add	*23.31*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	24.35	12.54
		For 300 LB Rating, Add	*20.06*	
		For ASTM 120, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0073	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	29.03	14.02
		For 300 LB Rating, Add	*28.50*	
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-0074	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	32.52	15.64
		For 300 LB Rating, Add	*32.14*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0075	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	43.47	17.75
		For 300 LB Rating, Add	*59.02*	
		For ASTM 120, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0076	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	49.82	20.00
		For 300 LB Rating, Add	*69.29*	
		For ASTM 120, Deduct	*-2.98*	
		For Work In Restricted Working Space, Add	*8.99*	
22 11 16 00-0077	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	67.44	25.43
		For 300 LB Rating, Add	*102.14*	
		For ASTM 120, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0078	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	158.52	37.61
		For 300 LB Rating, Add	*350.76*	
		For ASTM 120, Deduct	*-15.33*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0079	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	222.74	49.45
		For 300 LB Rating, Add	*509.69*	
		For ASTM 120, Deduct	*-22.29*	
		For Work In Restricted Working Space, Add	*22.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0080	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	330.81	54.47
		For 300 LB Rating, Add	*851.91*	
		For ASTM 120, Deduct	*-37.37*	
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0081	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,091.88	56.85
		For 300 LB Rating, Add	*3,427.69*	
		For ASTM 120, Deduct	*-151.00*	
		For Work In Restricted Working Space, Add	*25.57*	
22 11 16 00-0082	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,302.88	59.44
		For 300 LB Rating, Add	*4,132.16*	
		For ASTM 120, Deduct	*-182.07*	
		For Work In Restricted Working Space, Add	*26.73*	
22 11 16 00-0083	EA	8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,555.36	62.12
		For 300 LB Rating, Add	*4,977.20*	
		For ASTM 120, Deduct	*-219.34*	
		For Work In Restricted Working Space, Add	*27.94*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	27.79	15.64
		For 300 LB Rating, Add	*16.06*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0086	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	34.20	18.10
		For 300 LB Rating, Add	*25.80*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*8.13*	
22 11 16 00-0087	EA	1", 150 LB, Galvanized Malleable Iron Tee	43.51	21.34
		For 300 LB Rating, Add	*40.99*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0088	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	56.31	25.43
		For 300 LB Rating, Add	*64.30*	
		For ASTM 120, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0089	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	68.11	30.29
		For 300 LB Rating, Add	*79.80*	
		For ASTM 120, Deduct	*-3.40*	
		For Work In Restricted Working Space, Add	*13.63*	
22 11 16 00-0090	EA	2", 150 LB, Galvanized Malleable Iron Tee	93.21	37.61
		For 300 LB Rating, Add	*128.71*	
		For ASTM 120, Deduct	*-5.53*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0091	EA	2-1/2", 150 LB, Galvanized Malleable Iron Tee	165.02	40.85
		For 300 LB Rating, Add	*356.49*	
		For ASTM 120, Deduct	*-15.57*	
		For Work In Restricted Working Space, Add	*18.38*	
22 11 16 00-0092	EA	3", 150 LB, Galvanized Malleable Iron Tee	195.83	49.45
		For 300 LB Rating, Add	*418.19*	
		For ASTM 120, Deduct	*-18.25*	
		For Work In Restricted Working Space, Add	*22.24*	
22 11 16 00-0093	EA	4", 150 LB, Galvanized Malleable Iron Tee	391.06	68.83
		For 300 LB Rating, Add	*984.95*	
		For ASTM 120, Deduct	*-43.18*	
		For Work In Restricted Working Space, Add	*30.96*	
22 11 16 00-0094	EA	5", 150 LB, Galvanized Malleable Iron Tee	1,027.42	81.71
		For 300 LB Rating, Add	*3,083.98*	
		For ASTM 120, Deduct	*-135.73*	
		For Work In Restricted Working Space, Add	*36.76*	
22 11 16 00-0095	EA	6", 150 LB, Galvanized Malleable Iron Tee	1,166.39	93.41
		For 300 LB Rating, Add	*3,498.03*	
		For ASTM 120, Deduct	*-153.95*	
		For Work In Restricted Working Space, Add	*42.01*	
22 11 16 00-0096	EA	8", 150 LB, Galvanized Malleable Iron Tee	1,387.55	110.91
		For 300 LB Rating, Add	*4,156.38*	
		For ASTM 120, Deduct	*-182.93*	
		For Work In Restricted Working Space, Add	*50.42*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	33.50	15.64
		For 300 LB Rating, Add	*35.48*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0099	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Tee	36.97	18.10
		For 300 LB Rating, Add	*35.22*	
		For ASTM 120, Deduct	*-1.48*	
		For Work In Restricted Working Space, Add	*8.13*	
22 11 16 00-0100	EA	1", 150 LB, Galvanized Malleable Iron Reducing Tee	45.91	21.34
		For 300 LB Rating, Add	*49.15*	
		For ASTM 120, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0101	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	59.60	25.43
		For 300 LB Rating, Add	*75.49*	
		For ASTM 120, Deduct	*-3.23*	
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0102	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	72.04	30.29
		For 300 LB Rating, Add	*93.17*	
		For ASTM 120, Deduct	*-3.99*	
		For Work In Restricted Working Space, Add	*13.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0103	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee	95.18	37.61
		For 300 LB Rating, Add	*135.40*	
		For ASTM 120, Deduct	*-5.82*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0104	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	198.59	40.99
		For 300 LB Rating, Add	*470.00*	
		For ASTM 120, Deduct	*-20.57*	
		For Work In Restricted Working Space, Add	*18.43*	
22 11 16 00-0105	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee	253.19	50.23
		For 300 LB Rating, Add	*609.28*	
		For ASTM 120, Deduct	*-26.68*	
		For Work In Restricted Working Space, Add	*22.60*	
22 11 16 00-0106	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee	618.82	68.83
		For 300 LB Rating, Add	*1,759.33*	
		For ASTM 120, Deduct	*-77.34*	
		For Work In Restricted Working Space, Add	*30.96*	
22 11 16 00-0107	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee	1,822.05	81.71
		For 300 LB Rating, Add	*5,785.72*	
		For ASTM 120, Deduct	*-254.93*	
		For Work In Restricted Working Space, Add	*36.76*	
22 11 16 00-0108	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee	1,496.56	93.41
		For 300 LB Rating, Add	*4,620.60*	
		For ASTM 120, Deduct	*-203.48*	
		For Work In Restricted Working Space, Add	*42.01*	
22 11 16 00-0109	EA	8", 150 LB, Galvanized Malleable Iron Reducing Tee	1,796.66	107.25
		For 300 LB Rating, Add	*5,570.77*	
		For ASTM 120, Deduct	*-245.34*	
		For Work In Restricted Working Space, Add	*48.31*	
22 11 16 00-0110		**Galvanized Malleable Iron Couplings** *(22 11 16 00-0013)*		
22 11 16 00-0111	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling	22.94	12.54
		For 300 LB Rating, Add	*15.27*	
		For ASTM 120, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0112	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling	25.81	14.02
		For 300 LB Rating, Add	*17.55*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-0113	EA	1", 150 LB, Galvanized Malleable Iron Coupling	31.33	15.64
		For 300 LB Rating, Add	*28.10*	
		For ASTM 120, Deduct	*-1.18*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0114	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling	37.66	17.75
		For 300 LB Rating, Add	*39.27*	
		For ASTM 120, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0115	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling	42.56	20.00
		For 300 LB Rating, Add	*44.60*	
		For ASTM 120, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*8.99*	
22 11 16 00-0116	EA	2", 150 LB, Galvanized Malleable Iron Coupling	56.48	25.43
		For 300 LB Rating, Add	*64.88*	
		For ASTM 120, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0117	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling	112.71	37.61
		For 300 LB Rating, Add	*195.01*	
		For ASTM 120, Deduct	*-8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0118	EA	3", 150 LB, Galvanized Malleable Iron Coupling	149.47	49.45
		For 300 LB Rating, Add	*260.57*	
		For ASTM 120, Deduct	*-11.30*	
		For Work In Restricted Working Space, Add	*22.24*	
22 11 16 00-0119	EA	4", 150 LB, Galvanized Malleable Iron Coupling	241.67	54.47
		For 300 LB Rating, Add	*548.83*	
		For ASTM 120, Deduct	*-24.00*	
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0120	EA	5", 150 LB, Galvanized Malleable Iron Coupling	535.71	56.85
		For 300 LB Rating, Add	*1,536.71*	
		For ASTM 120, Deduct	*-67.57*	
		For Work In Restricted Working Space, Add	*25.57*	
22 11 16 00-0121	EA	6", 150 LB, Galvanized Malleable Iron Coupling	602.31	59.44
		For 300 LB Rating, Add	*1,750.23*	
		For ASTM 120, Deduct	*-76.98*	
		For Work In Restricted Working Space, Add	*26.73*	
22 11 16 00-0122	EA	8", 150 LB, Galvanized Malleable Iron Coupling	711.64	62.12
		For 300 LB Rating, Add	*2,108.56*	
		For ASTM 120, Deduct	*-92.78*	
		For Work In Restricted Working Space, Add	*27.94*	
22 11 16 00-0123		**Galvanized Malleable Iron Reducing Couplings** *(22 11 16 00-0013)*		
22 11 16 00-0124	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	23.83	12.54
		For 300 LB Rating, Add	*18.30*	
		For ASTM 120, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0125	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	26.41	14.02
		For 300 LB Rating, Add	*19.59*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*6.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0126	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	32.47	15.64
		For 300 LB Rating, Add	*31.97*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0127	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	38.21	17.75
		For 300 LB Rating, Add	*41.14*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0128	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	44.97	20.00
		For 300 LB Rating, Add	*52.80*	
		For ASTM 120, Deduct	*-2.25*	
		For Work In Restricted Working Space, Add	*8.99*	
22 11 16 00-0129	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	58.52	25.43
		For 300 LB Rating, Add	*71.81*	
		For ASTM 120, Deduct	*-3.07*	
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0130	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	113.42	37.61
		For 300 LB Rating, Add	*197.42*	
		For ASTM 120, Deduct	*-8.56*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0131	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	147.33	49.45
		For 300 LB Rating, Add	*253.29*	
		For ASTM 120, Deduct	*-10.98*	
		For Work In Restricted Working Space, Add	*22.24*	
22 11 16 00-0132	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	245.79	54.47
		For 300 LB Rating, Add	*562.84*	
		For ASTM 120, Deduct	*-24.62*	
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0133	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	559.42	56.85
		For 300 LB Rating, Add	*1,617.33*	
		For ASTM 120, Deduct	*-71.13*	
		For Work In Restricted Working Space, Add	*25.57*	
22 11 16 00-0134	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	629.32	59.44
		For 300 LB Rating, Add	*1,842.06*	
		For ASTM 120, Deduct	*-81.03*	
		For Work In Restricted Working Space, Add	*26.73*	
22 11 16 00-0135	EA	8", 150 LB, Galvanized Malleable Iron Reducing Coupling	744.43	62.12
		For 300 LB Rating, Add	*2,220.04*	
		For ASTM 120, Deduct	*-97.70*	
		For Work In Restricted Working Space, Add	*27.94*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	11.04	5.84
		For 300 LB Rating, Add	*8.11*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0138	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	12.48	6.27
		For 300 LB Rating, Add	*11.07*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0139	EA	1", 150 LB, Galvanized Malleable Iron Cap	14.66	7.26
		For 300 LB Rating, Add	*13.67*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0140	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	16.40	7.61
		For 300 LB Rating, Add	*17.82*	
		For ASTM 120, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0141	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	16.09	7.61
		For 300 LB Rating, Add	*16.76*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0142	EA	2", 150 LB, Galvanized Malleable Iron Cap	25.26	10.08
		For 300 LB Rating, Add	*35.28*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0143	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	41.47	12.54
		For 300 LB Rating, Add	*78.27*	
		For ASTM 120, Deduct	*-3.40*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0144	EA	3", 150 LB, Galvanized Malleable Iron Cap	55.03	15.15
		For 300 LB Rating, Add	*111.22*	
		For ASTM 120, Deduct	*-4.85*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0145	EA	4", 150 LB, Galvanized Malleable Iron Cap	88.40	18.70
		For 300 LB Rating, Add	*207.04*	
		For ASTM 120, Deduct	*-9.06*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0146	EA	5", 150 LB, Galvanized Malleable Iron Cap	235.51	23.38
		For 300 LB Rating, Add	*683.80*	
		For ASTM 120, Deduct	*-30.08*	
		For Work In Restricted Working Space, Add	*10.50*	
22 11 16 00-0147	EA	6", 150 LB, Galvanized Malleable Iron Cap	294.42	27.80
		For 300 LB Rating, Add	*861.68*	
		For ASTM 120, Deduct	*-37.91*	
		For Work In Restricted Working Space, Add	*12.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0148	EA	8", 150 LB, Galvanized Malleable Iron Cap	374.05	31.06
		For 300 LB Rating, Add	*1,116.26*	
		For ASTM 120, Deduct	*-49.12*	
		For Work In Restricted Working Space, Add	*13.97*	

22 11 16 00-0149 Galvanized Malleable Iron Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2", 150 LB, Galvanized Malleable Iron Union	39.81	15.64
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0151	EA	3/4", 150 LB, Galvanized Malleable Iron Union	45.85	18.10
		For Work In Restricted Working Space, Add	*8.13*	
22 11 16 00-0152	EA	1", 150 LB, Galvanized Malleable Iron Union	56.59	21.34
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0153	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union	73.59	25.43
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0154	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union	88.48	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 11 16 00-0155	EA	2", 150 LB, Galvanized Malleable Iron Union	105.83	37.61
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0156	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union	255.05	55.44
		For Work In Restricted Working Space, Add	*24.95*	
22 11 16 00-0157	EA	3", 150 LB, Galvanized Malleable Iron Union	350.00	72.90
		For Work In Restricted Working Space, Add	*32.84*	
22 11 16 00-0158	EA	1/2", 250 LB, Galvanized Malleable Iron Union	56.68	15.64
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0159	EA	3/4", 250 LB, Galvanized Malleable Iron Union	57.26	18.10
		For Work In Restricted Working Space, Add	*8.13*	
22 11 16 00-0160	EA	1", 250 LB, Galvanized Malleable Iron Union	69.42	21.34
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0161	EA	1-1/4", 250 LB, Galvanized Malleable Iron Union	94.71	25.43
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0162	EA	1-1/2", 250 LB, Galvanized Malleable Iron Union	110.65	30.29
		For Work In Restricted Working Space, Add	*13.64*	
22 11 16 00-0163	EA	2", 250 LB, Galvanized Malleable Iron Union	148.43	37.61
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0164	EA	2-1/2", 250 LB, Galvanized Malleable Iron Union	325.42	55.44
		For Work In Restricted Working Space, Add	*24.96*	
22 11 16 00-0165	EA	3", 250 LB, Galvanized Malleable Iron Union	481.10	72.90
		For Work In Restricted Working Space, Add	*32.84*	
22 11 16 00-0166	EA	4", 250 LB, Galvanized Malleable Iron Union	703.57	80.38
		For Work In Restricted Working Space, Add	*36.17*	
22 11 16 00-0167	EA	1/2", 300 LB, Galvanized Malleable Iron Union	61.31	15.64
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0168	EA	3/4", 300 LB, Galvanized Malleable Iron Union	68.11	18.10
		For Work In Restricted Working Space, Add	*8.13*	
22 11 16 00-0169	EA	1", 300 LB, Galvanized Malleable Iron Union	86.44	21.34
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0170	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union	113.95	25.43
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0171	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union	136.82	30.29
		For Work In Restricted Working Space, Add	*13.64*	
22 11 16 00-0172	EA	2", 300 LB, Galvanized Malleable Iron Union	166.02	37.61
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0173	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union	389.10	55.44
		For Work In Restricted Working Space, Add	*24.96*	
22 11 16 00-0174	EA	3", 300 LB, Galvanized Malleable Iron Union	626.83	72.90
		For Work In Restricted Working Space, Add	*32.84*	
22 11 16 00-0175	EA	4", 300 LB, Galvanized Malleable Iron Union	1,418.18	80.38
		For Work In Restricted Working Space, Add	*36.17*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	11.77	6.69
		For Schedule 80 Nipples, Add	*1.94*	
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	11.45	6.69
		For Schedule 80 Nipples, Add	*1.57*	
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	11.75	6.69
		For Schedule 80 Nipples, Add	*1.92*	
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	13.13	7.26
		For Schedule 80 Nipples, Add	*2.62*	
		For ASTM 120, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	14.82	7.82
		For Schedule 80 Nipples, Add	*3.51*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	15.36	7.82
		For Schedule 80 Nipples, Add	*4.13*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	20.25	10.08
		For Schedule 80 Nipples, Add	*5.81*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	33.96	12.54
		For Schedule 80 Nipples, Add	*17.31*	
		For ASTM 120, Deduct	*-2.28*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	40.91	15.15
		For Schedule 80 Nipples, Add	*20.74*	
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	55.26	18.70
		For Schedule 80 Nipples, Add	*31.08*	
		For ASTM 120, Deduct	*-4.09*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.03	6.69
		For Schedule 80 Nipples, Add	*2.23*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.52	6.69
		For Schedule 80 Nipples, Add	*1.65*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.89	6.69
		For Schedule 80 Nipples, Add	*2.07*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.03	6.69
		For Schedule 80 Nipples, Add	*2.23*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.52	6.69
		For Schedule 80 Nipples, Add	*1.65*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.89	6.69
		For Schedule 80 Nipples, Add	*2.07*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.54	7.26
		For Schedule 80 Nipples, Add	*3.09*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.05	7.82
		For Schedule 80 Nipples, Add	*3.77*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.62	7.82
		For Schedule 80 Nipples, Add	*4.42*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.68	6.69
		For Schedule 80 Nipples, Add	*2.98*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.77	6.69
		For Schedule 80 Nipples, Add	*1.94*	
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.09	6.69
		For Schedule 80 Nipples, Add	*2.30*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.77	7.26
		For Schedule 80 Nipples, Add	*3.35*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.37	7.82
		For Schedule 80 Nipples, Add	*4.14*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.07	7.82
		For Schedule 80 Nipples, Add	*4.94*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.89	10.08
		For Schedule 80 Nipples, Add	*6.54*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.68	6.69
		For Schedule 80 Nipples, Add	*2.98*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.77	6.69
		For Schedule 80 Nipples, Add	*1.94*	
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.09	6.69
		For Schedule 80 Nipples, Add	*2.30*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	13.77	7.26
		For Schedule 80 Nipples, Add	*3.35*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	15.37	7.82
		For Schedule 80 Nipples, Add	*4.14*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	16.07	7.82
		For Schedule 80 Nipples, Add	*4.94*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.89	10.08
		For Schedule 80 Nipples, Add	*6.54*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	34.54	12.54
		For Schedule 80 Nipples, Add	*17.97*	
		For ASTM 120, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	43.41	15.15
		For Schedule 80 Nipples, Add	*23.59*	
		For ASTM 120, Deduct	*-3.10*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.17	6.69
		For Schedule 80 Nipples, Add	*3.53*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.17	6.69
		For Schedule 80 Nipples, Add	*2.39*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.68	6.69
		For Schedule 80 Nipples, Add	*2.98*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.36	7.26
		For Schedule 80 Nipples, Add	*4.02*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.07	7.82
		For Schedule 80 Nipples, Add	*4.94*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.21	7.82
		For Schedule 80 Nipples, Add	*6.24*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.12	10.08
		For Schedule 80 Nipples, Add	*7.95*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	37.07	12.54
		For Schedule 80 Nipples, Add	*20.85*	
		For ASTM 120, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	47.00	15.15
		For Schedule 80 Nipples, Add	*27.68*	
		For ASTM 120, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	13.17	6.69
		For Schedule 80 Nipples, Add	*3.53*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	12.17	6.69
		For Schedule 80 Nipples, Add	*2.39*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	13.17	6.69
		For Schedule 80 Nipples, Add	*3.53*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.36	7.26
		For Schedule 80 Nipples, Add	*4.02*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	16.07	7.82
		For Schedule 80 Nipples, Add	*4.94*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	17.21	7.82
		For Schedule 80 Nipples, Add	*6.24*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*3.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	22.18	10.08
		For Schedule 80 Nipples, Add	*8.01*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	37.07	12.54
		For Schedule 80 Nipples, Add	*20.85*	
		For ASTM 120, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	47.00	15.15
		For Schedule 80 Nipples, Add	*27.68*	
		For ASTM 120, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	60.60	18.70
		For Schedule 80 Nipples, Add	*37.16*	
		For ASTM 120, Deduct	*-4.89*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.34	6.69
		For Schedule 80 Nipples, Add	*4.87*	
		For ASTM 120, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.60	6.69
		For Schedule 80 Nipples, Add	*2.88*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.18	6.69
		For Schedule 80 Nipples, Add	*3.55*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.16	7.26
		For Schedule 80 Nipples, Add	*4.94*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.09	7.82
		For Schedule 80 Nipples, Add	*6.10*	
		For ASTM 120, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.35	7.82
		For Schedule 80 Nipples, Add	*7.54*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.04	10.08
		For Schedule 80 Nipples, Add	*10.13*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	39.18	12.54
		For Schedule 80 Nipples, Add	*23.26*	
		For ASTM 120, Deduct	*-3.06*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0239	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	51.02	15.15
		For Schedule 80 Nipples, Add	*32.26*	
		For ASTM 120, Deduct	*-4.25*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0240	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	64.56	18.70
		For Schedule 80 Nipples, Add	*41.68*	
		For ASTM 120, Deduct	*-5.48*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0241	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.34	6.69
		For Schedule 80 Nipples, Add	*4.87*	
		For ASTM 120, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0242	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	12.60	6.69
		For Schedule 80 Nipples, Add	*2.88*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0243	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.18	6.69
		For Schedule 80 Nipples, Add	*3.55*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0244	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.16	7.26
		For Schedule 80 Nipples, Add	*4.94*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0245	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	17.09	7.82
		For Schedule 80 Nipples, Add	*6.10*	
		For ASTM 120, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0246	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	18.35	7.82
		For Schedule 80 Nipples, Add	*7.54*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0247	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.04	10.08
		For Schedule 80 Nipples, Add	*10.13*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0248	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	39.18	12.54
		For Schedule 80 Nipples, Add	*23.26*	
		For ASTM 120, Deduct	*-3.06*	
		For Work In Restricted Working Space, Add	*5.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0249	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	51.02	15.15
		For Schedule 80 Nipples, Add	*32.26*	
		For ASTM 120, Deduct	*-4.25*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0250	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	64.56	18.70
		For Schedule 80 Nipples, Add	*41.68*	
		For ASTM 120, Deduct	*-5.48*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0251	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.81	6.69
		For Schedule 80 Nipples, Add	*5.40*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0252	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.95	6.69
		For Schedule 80 Nipples, Add	*3.28*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0253	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.81	6.69
		For Schedule 80 Nipples, Add	*4.26*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0254	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.74	7.26
		For Schedule 80 Nipples, Add	*5.60*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	17.95	7.82
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	19.18	7.82
		For Schedule 80 Nipples, Add	*8.48*	
		For ASTM 120, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.48	10.08
		For Schedule 80 Nipples, Add	*11.78*	
		For ASTM 120, Deduct	*-1.55*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	41.19	12.54
		For Schedule 80 Nipples, Add	*25.55*	
		For ASTM 120, Deduct	*-3.36*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	52.65	15.15
		For Schedule 80 Nipples, Add	*34.12*	
		For ASTM 120, Deduct	*-4.49*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	68.41	18.70
		For Schedule 80 Nipples, Add	*46.07*	
		For ASTM 120, Deduct	*-6.06*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	29.03	6.69
		For Schedule 80 Nipples, Add	*21.61*	
		For ASTM 120, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	15.14	6.69
		For Schedule 80 Nipples, Add	*5.78*	
		For ASTM 120, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.55	6.69
		For Schedule 80 Nipples, Add	*7.39*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	19.04	7.26
		For Schedule 80 Nipples, Add	*9.36*	
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	21.81	7.82
		For Schedule 80 Nipples, Add	*11.48*	
		For ASTM 120, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	23.29	7.82
		For Schedule 80 Nipples, Add	*13.17*	
		For ASTM 120, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	31.99	10.08
		For Schedule 80 Nipples, Add	*19.20*	
		For ASTM 120, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	47.63	12.54
		For Schedule 80 Nipples, Add	*32.89*	
		For ASTM 120, Deduct	*-4.33*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	63.04	15.15
		For Schedule 80 Nipples, Add	*45.96*	
		For ASTM 120, Deduct	*-6.05*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	76.22	18.70
		For Schedule 80 Nipples, Add	*54.97*	
		For ASTM 120, Deduct	*-7.23*	
		For Work In Restricted Working Space, Add	*8.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	19.11	6.69
		For Schedule 80 Nipples, Add	*10.31*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	16.09	6.69
		For Schedule 80 Nipples, Add	*6.86*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.26	6.69
		For Schedule 80 Nipples, Add	*8.20*	
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	20.21	7.26
		For Schedule 80 Nipples, Add	*10.69*	
		For ASTM 120, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	23.78	7.82
		For Schedule 80 Nipples, Add	*13.73*	
		For ASTM 120, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	25.20	7.82
		For Schedule 80 Nipples, Add	*15.34*	
		For ASTM 120, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	34.85	10.08
		For Schedule 80 Nipples, Add	*22.46*	
		For ASTM 120, Deduct	*-2.96*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	51.66	12.54
		For Schedule 80 Nipples, Add	*37.48*	
		For ASTM 120, Deduct	*-4.93*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	68.72	15.15
		For Schedule 80 Nipples, Add	*52.44*	
		For ASTM 120, Deduct	*-6.90*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	83.89	18.70
		For Schedule 80 Nipples, Add	*63.71*	
		For ASTM 120, Deduct	*-8.38*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	20.09	6.69
		For Schedule 80 Nipples, Add	*11.42*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	16.92	6.69
		For Schedule 80 Nipples, Add	*7.81*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.13	6.69
		For Schedule 80 Nipples, Add	*9.19*	
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	21.76	7.26
		For Schedule 80 Nipples, Add	*12.46*	
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	26.19	7.82
		For Schedule 80 Nipples, Add	*16.47*	
		For ASTM 120, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	27.14	7.82
		For Schedule 80 Nipples, Add	*17.56*	
		For ASTM 120, Deduct	*-2.31*	
		For Work In Restricted Working Space, Add	*3.52*	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	37.76	10.08
		For Schedule 80 Nipples, Add	*25.78*	
		For ASTM 120, Deduct	*-3.39*	
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	55.57	12.54
		For Schedule 80 Nipples, Add	*41.94*	
		For ASTM 120, Deduct	*-5.52*	
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	74.44	15.15
		For Schedule 80 Nipples, Add	*58.96*	
		For ASTM 120, Deduct	*-7.76*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	91.63	18.70
		For Schedule 80 Nipples, Add	*72.54*	
		For ASTM 120, Deduct	*-9.54*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0291		**Galvanized Malleable Iron Square Head Plugs** *(22 11 16 00-0013)*		
22 11 16 00-0292	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	12.70	5.00
		For 300 LB Rating, Add	*18.06*	
		For Work In Restricted Working Space, Add	*2.26*	
22 11 16 00-0293	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	13.59	5.63
		For 300 LB Rating, Add	*18.12*	
		For Work In Restricted Working Space, Add	*2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0294	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug	15.07	6.27
		For 300 LB Rating, Add	*19.88*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0295	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	19.36	7.11
		For 300 LB Rating, Add	*30.32*	
		For Work In Restricted Working Space, Add	*3.19*	
22 11 16 00-0296	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	23.75	7.96
		For 300 LB Rating, Add	*40.70*	
		For Work In Restricted Working Space, Add	*3.60*	
22 11 16 00-0297	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug	30.19	10.14
		For 300 LB Rating, Add	*51.78*	
		For Work In Restricted Working Space, Add	*4.57*	
22 11 16 00-0298	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	51.72	15.01
		For 300 LB Rating, Add	*100.56*	
		For Work In Restricted Working Space, Add	*6.76*	
22 11 16 00-0299	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug	71.05	19.79
		For 300 LB Rating, Add	*142.51*	
		For Work In Restricted Working Space, Add	*8.90*	
22 11 16 00-0300	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug	118.62	21.77
		For 300 LB Rating, Add	*294.16*	
		For Work In Restricted Working Space, Add	*9.80*	
22 11 16 00-0301	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug	191.78	22.76
		For 300 LB Rating, Add	*538.16*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0302	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug	206.11	23.74
		For 300 LB Rating, Add	*581.70*	
		For Work In Restricted Working Space, Add	*10.70*	

22 11 16 00-0303 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0304	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	31.35	13.24
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-0305	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	34.83	14.09
		For Work In Restricted Working Space, Add	*6.34*	
22 11 16 00-0306	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	35.23	14.86
		For Work In Restricted Working Space, Add	*6.68*	
22 11 16 00-0307	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	41.86	15.15
		For Work In Restricted Working Space, Add	*6.80*	
22 11 16 00-0308	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	41.24	15.85
		For Work In Restricted Working Space, Add	*7.14*	
22 11 16 00-0309	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing	42.46	16.70
		For Work In Restricted Working Space, Add	*7.51*	
22 11 16 00-0310	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	49.72	16.27
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0311	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	50.84	16.97
		For Work In Restricted Working Space, Add	*7.65*	
22 11 16 00-0312	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	49.57	17.82
		For Work In Restricted Working Space, Add	*8.02*	
22 11 16 00-0313	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	49.37	18.87
		For Work In Restricted Working Space, Add	*8.48*	
22 11 16 00-0314	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	60.08	18.95
		For Work In Restricted Working Space, Add	*8.53*	
22 11 16 00-0315	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	59.00	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0316	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing	58.63	20.50
		For Work In Restricted Working Space, Add	*9.23*	
22 11 16 00-0317	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	60.18	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 11 16 00-0318	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	58.44	22.68
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0319	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	84.49	25.78
		For Work In Restricted Working Space, Add	*11.61*	
22 11 16 00-0320	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	85.72	26.62
		For Work In Restricted Working Space, Add	*11.98*	
22 11 16 00-0321	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	87.27	27.61
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0322	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	88.12	28.81
		For Work In Restricted Working Space, Add	*12.95*	
22 11 16 00-0323	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing	87.04	31.48
		For Work In Restricted Working Space, Add	*14.16*	
22 11 16 00-0324	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	108.05	31.69
		For Work In Restricted Working Space, Add	*14.28*	
22 11 16 00-0325	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing	109.27	32.54
		For Work In Restricted Working Space, Add	*14.64*	
22 11 16 00-0326	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	110.83	33.60
		For Work In Restricted Working Space, Add	*15.11*	
22 11 16 00-0327	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	111.34	34.73
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-0328	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing	109.86	37.40
		For Work In Restricted Working Space, Add	*16.83*	
22 11 16 00-0329	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	122.11	43.53
		For Work In Restricted Working Space, Add	*19.57*	
22 11 16 00-0330	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	178.02	34.16
		For Work In Restricted Working Space, Add	*15.39*	
22 11 16 00-0331	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing	179.24	35.01
		For Work In Restricted Working Space, Add	*15.76*	
22 11 16 00-0332	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	180.77	36.06
		For Work In Restricted Working Space, Add	*16.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0333	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	182.46	37.18
		For Work In Restricted Working Space, Add	*16.72*	
22 11 16 00-0334	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing	171.57	39.84
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0335	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	195.57	45.93
		For Work In Restricted Working Space, Add	*20.66*	
22 11 16 00-0336	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing	196.04	51.81
		For Work In Restricted Working Space, Add	*23.31*	

22 11 16 00-0337 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

22 11 16 00-0338	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange	43.26	25.74
22 11 16 00-0339	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange	47.28	28.18
22 11 16 00-0340	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange	54.28	31.83
22 11 16 00-0341	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	56.41	32.96
22 11 16 00-0342	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	61.38	35.86
22 11 16 00-0343	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange	66.05	37.40

22 11 16 00-0344 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

22 11 16 00-0345	EA	3/4", 125 LB, Galvanized Cast Iron Flange	81.45	28.18
		For Work In Restricted Working Space, Add	*12.68*	
22 11 16 00-0346	EA	1", 125 LB, Galvanized Cast Iron Flange	78.09	31.83
		For Work In Restricted Working Space, Add	*14.33*	
22 11 16 00-0347	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	65.46	32.96
		For Work In Restricted Working Space, Add	*14.83*	
22 11 16 00-0348	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	89.41	35.86
		For Work In Restricted Working Space, Add	*16.13*	
22 11 16 00-0349	EA	2", 125 LB, Galvanized Cast Iron Flange	87.45	37.40
		For Work In Restricted Working Space, Add	*16.83*	
22 11 16 00-0350	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	101.57	43.32
		For Work In Restricted Working Space, Add	*19.47*	
22 11 16 00-0351	EA	3", 125 LB, Galvanized Cast Iron Flange	181.37	54.94
		For Work In Restricted Working Space, Add	*24.71*	
22 11 16 00-0352	EA	4", 125 LB, Galvanized Cast Iron Flange	246.85	74.71
		For Work In Restricted Working Space, Add	*33.60*	
22 11 16 00-0353	EA	5", 125 LB, Galvanized Cast Iron Flange	345.04	88.92
		For Work In Restricted Working Space, Add	*40.00*	
22 11 16 00-0354	EA	6", 125 LB, Galvanized Cast Iron Flange	379.44	102.16
		For Work In Restricted Working Space, Add	*45.95*	
22 11 16 00-0355	EA	8", 125 LB, Galvanized Cast Iron Flange	351.96	116.75
		For Work In Restricted Working Space, Add	*52.51*	

22 11 16 00-0356 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0357	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	22.93	
		For Work In Restricted Working Space, Add	*6.88*	
22 11 16 00-0358	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	25.23	
		For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0359	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	27.53	
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0360	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	29.81	
		For Work In Restricted Working Space, Add	*8.94*	
22 11 16 00-0361	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	31.34	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0362	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	32.88	
		For Work In Restricted Working Space, Add	*9.86*	
22 11 16 00-0363	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	34.41	
		For Work In Restricted Working Space, Add	*10.32*	
22 11 16 00-0364	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	35.93	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0365	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	37.46	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0366	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe	40.52	
		For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0367	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe	43.57	
		For Work In Restricted Working Space, Add	*13.07*	

22 11 16 00-0368 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0847 for pipe with fittings assembly.

22 11 16 00-0369 Copper Tube/Pipe *(22 11 16 00-0368)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0370 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0369)*

22 11 16 00-0371	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	3.28	1.72
		For Medical/Oxygen Service Tubing, Add	*0.06*	
		For <20, Add	*0.07*	
		For >150, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-0372	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	3.71	1.79
		For Medical/Oxygen Service Tubing, Add	*0.08*	
		For <20, Add	*0.10*	
		For >150, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0373	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	4.02	1.86
		For Medical/Oxygen Service Tubing, Add	*0.10*	
		For <20, Add	*0.12*	
		For >150, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*0.84*	
22 11 16 00-0374	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	4.95	1.98
		For Medical/Oxygen Service Tubing, Add	*0.16*	
		For <20, Add	*0.20*	
		For >150, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0375	LF	1" Hard Drawn Type L Copper Tube/Pipe	6.20	2.23
		For Medical/Oxygen Service Tubing, Add	*0.23*	
		For <20, Add	*0.29*	
		For >150, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*1.00*	
22 11 16 00-0376	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	8.91	3.31
		For Medical/Oxygen Service Tubing, Add	*0.32*	
		For <20, Add	*0.40*	
		For >150, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0377	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	10.62	3.70
		For Medical/Oxygen Service Tubing, Add	*0.41*	
		For <20, Add	*0.51*	
		For >150, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*1.66*	
22 11 16 00-0378	LF	2" Hard Drawn Type L Copper Tube/Pipe	14.88	4.55
		For Medical/Oxygen Service Tubing, Add	*0.64*	
		For <20, Add	*0.81*	
		For >150, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0379	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	27.73	5.36
		For Medical/Oxygen Service Tubing, Add	*0.93*	
		For <20, Add	*1.16*	
		For >150, Deduct	*-2.33*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0380	LF	3" Hard Drawn Type L Copper Tube/Pipe	34.45	6.32
		For Medical/Oxygen Service Tubing, Add	*1.24*	
		For <20, Add	*1.55*	
		For >150, Deduct	*-3.10*	
		For Work In Restricted Working Space, Add	*5.68*	
22 11 16 00-0381	LF	4" Hard Drawn Type L Copper Tube/Pipe	49.01	7.12
		For Medical/Oxygen Service Tubing, Add	*2.21*	
		For <20, Add	*2.76*	
		For >150, Deduct	*-5.53*	
		For Work In Restricted Working Space, Add	*6.41*	
22 11 16 00-0382	LF	5" Hard Drawn Type L Copper Tube/Pipe	73.37	8.18
		For Medical/Oxygen Service Tubing, Add	*3.91*	
		For <20, Add	*4.88*	
		For >150, Deduct	*-9.76*	
		For Work In Restricted Working Space, Add	*7.37*	
22 11 16 00-0383	LF	6" Hard Drawn Type L Copper Tube/Pipe	102.26	12.69
		For Medical/Oxygen Service Tubing, Add	*5.14*	
		For <20, Add	*6.42*	
		For >150, Deduct	*-12.85*	
		For Work In Restricted Working Space, Add	*11.41*	
22 11 16 00-0384	LF	8" Hard Drawn Type L Copper Tube/Pipe	163.34	14.10
		For Medical/Oxygen Service Tubing, Add	*9.68*	
		For <20, Add	*12.11*	
		For >150, Deduct	*-24.21*	
		For Work In Restricted Working Space, Add	*12.68*	

22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0369)*

22 11 16 00-0386	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	3.56	1.85
		For Medical/Oxygen Service Tubing, Add	*0.06*	
		For <20, Add	*0.08*	
		For >150, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*0.83*	
22 11 16 00-0387	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	4.58	1.92
		For Medical/Oxygen Service Tubing, Add	*0.11*	
		For <20, Add	*0.14*	
		For >150, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-0388	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	4.75	2.00
		For Medical/Oxygen Service Tubing, Add	*0.13*	
		For <20, Add	*0.17*	
		For >150, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*0.93*	
22 11 16 00-0389	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	6.57	2.13
		For Medical/Oxygen Service Tubing, Add	*0.24*	
		For <20, Add	*0.30*	
		For >150, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0390	LF	1" Hard Drawn Type K Copper Tube/Pipe	7.79	2.40
		For Medical/Oxygen Service Tubing, Add	*0.32*	
		For <20, Add	*0.40*	
		For >150, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	10.35	3.56
		For Medical/Oxygen Service Tubing, Add	*0.40*	
		For <20, Add	*0.50*	
		For >150, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*1.62*	
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	12.40	3.97
		For Medical/Oxygen Service Tubing, Add	*0.51*	
		For <20, Add	*0.63*	
		For >150, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*1.82*	
22 11 16 00-0393	LF	2" Hard Drawn Type K Copper Tube/Pipe	17.18	4.91
		For Medical/Oxygen Service Tubing, Add	*0.78*	
		For <20, Add	*0.98*	
		For >150, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*2.23*	
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	30.69	5.76
		For Medical/Oxygen Service Tubing, Add	*1.16*	
		For <20, Add	*1.45*	
		For >150, Deduct	*-2.90*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0395	LF	3" Hard Drawn Type K Copper Tube/Pipe	40.69	6.79
		For Medical/Oxygen Service Tubing, Add	*1.59*	
		For <20, Add	*1.99*	
		For >150, Deduct	*-3.97*	
		For Work In Restricted Working Space, Add	*6.25*	
22 11 16 00-0396	LF	4" Hard Drawn Type K Copper Tube/Pipe	58.99	7.66
		For Medical/Oxygen Service Tubing, Add	*2.83*	
		For <20, Add	*3.54*	
		For >150, Deduct	*-7.08*	
		For Work In Restricted Working Space, Add	*7.08*	
22 11 16 00-0397	LF	5" Hard Drawn Type K Copper Tube/Pipe	92.71	8.80
		For Medical/Oxygen Service Tubing, Add	*5.19*	
		For <20, Add	*6.48*	
		For >150, Deduct	*-12.97*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0398	LF	6" Hard Drawn Type K Copper Tube/Pipe	137.96	13.63
		For Medical/Oxygen Service Tubing, Add	*7.44*	
		For <20, Add	*9.30*	
		For >150, Deduct	*-18.61*	
		For Work In Restricted Working Space, Add	*13.48*	
22 11 16 00-0399	LF	8" Hard Drawn Type K Copper Tube/Pipe	223.71	15.16
		For Medical/Oxygen Service Tubing, Add	*13.94*	
		For <20, Add	*17.42*	
		For >150, Deduct	*-34.84*	
		For Work In Restricted Working Space, Add	*14.85*	

22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0369)*

22 11 16 00-0401	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	3.13	1.61
		For <20, Add	*0.08*	
		For >150, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*0.70*	
22 11 16 00-0402	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	3.31	1.68
		For <20, Add	*0.09*	
		For >150, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.72*	
22 11 16 00-0403	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	4.01	1.78
		For <20, Add	*0.15*	
		For >150, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-0404	LF	1" Hard Drawn Type M Copper Tube/Pipe	5.09	2.00
		For <20, Add	*0.22*	
		For >150, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*0.86*	
22 11 16 00-0405	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	7.65	2.98
		For <20, Add	*0.33*	
		For >150, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*1.32*	
22 11 16 00-0406	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	9.55	3.32
		For <20, Add	*0.45*	
		For >150, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*1.52*	
22 11 16 00-0407	LF	2" Hard Drawn Type M Copper Tube/Pipe	13.34	4.10
		For <20, Add	*0.71*	
		For >150, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*1.88*	
22 11 16 00-0408	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	25.50	4.83
		For <20, Add	*1.03*	
		For >150, Deduct	*-2.06*	
		For Work In Restricted Working Space, Add	*4.57*	
22 11 16 00-0409	LF	3" Hard Drawn Type M Copper Tube/Pipe	30.75	5.68
		For <20, Add	*1.37*	
		For >150, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0410	LF	4" Hard Drawn Type M Copper Tube/Pipe	45.53	6.42
		For <20, Add	*2.56*	
		For >150, Deduct	*-5.12*	
		For Work In Restricted Working Space, Add	*5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0411	LF	5" Hard Drawn Type M Copper Tube/Pipe	72.70	7.37
		For <20, Add	*4.97*	
		For >150, Deduct	*-9.94*	
		For Work In Restricted Working Space, Add	*6.91*	
22 11 16 00-0412	LF	6" Hard Drawn Type M Copper Tube/Pipe	102.02	11.42
		For <20, Add	*6.64*	
		For >150, Deduct	*-13.27*	
		For Work In Restricted Working Space, Add	*10.70*	
22 11 16 00-0413	LF	8" Hard Drawn Type M Copper Tube/Pipe	164.98	12.70
		For <20, Add	*12.58*	
		For >150, Deduct	*-25.15*	
		For Work In Restricted Working Space, Add	*11.76*	

22 11 16 00-0414 Soft Drawn Type L Copper Tube *(22 11 16 00-0369)*

22 11 16 00-0415	LF	1/4" Soft Drawn Type L Copper Tube	3.48	1.72
		For <20, Add	*0.09*	
		For >150, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-0416	LF	3/8" Soft Drawn Type L Copper Tube	4.09	1.79
		For <20, Add	*0.14*	
		For >150, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*0.81*	
22 11 16 00-0417	LF	1/2" Soft Drawn Type L Copper Tube	4.68	1.86
		For <20, Add	*0.19*	
		For >150, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*0.84*	
22 11 16 00-0418	LF	3/4" Soft Drawn Type L Copper Tube	5.85	1.98
		For <20, Add	*0.29*	
		For >150, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0419	LF	1" Soft Drawn Type L Copper Tube	7.32	2.23
		For <20, Add	*0.40*	
		For >150, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*1.00*	
22 11 16 00-0420	LF	1-1/4" Soft Drawn Type L Copper Tube	10.21	3.31
		For <20, Add	*0.53*	
		For >150, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0421	LF	1-1/2" Soft Drawn Type L Copper Tube	12.65	3.70
		For <20, Add	*0.71*	
		For >150, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*1.66*	
22 11 16 00-0422	LF	2" Soft Drawn Type L Copper Tube	18.15	4.55
		For <20, Add	*1.13*	
		For >150, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*2.05*	

22 11 16 00-0423 Soft Drawn Type K Copper Tube *(22 11 16 00-0369)*

22 11 16 00-0424	LF	1/4" Soft Drawn Type K Copper Tube	3.57	1.72
		For <20, Add	*0.10*	
		For >150, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-0425	LF	3/8" Soft Drawn Type K Copper Tube	4.39	1.79
		For <20, Add	*0.17*	
		For >150, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*0.81*	
22 11 16 00-0426	LF	1/2" Soft Drawn Type K Copper Tube	4.92	1.86
		For <20, Add	*0.21*	
		For >150, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*0.84*	
22 11 16 00-0427	LF	5/8" Soft Drawn Type K Copper Tube	5.41	1.92
		For <20, Add	*0.25*	
		For >150, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*0.86*	
22 11 16 00-0428	LF	3/4" Soft Drawn Type K Copper Tube	6.90	1.98
		For <20, Add	*0.39*	
		For >150, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0429	LF	1" Soft Drawn Type K Copper Tube	8.55	2.23
		For <20, Add	*0.52*	
		For >150, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*1.00*	
22 11 16 00-0430	LF	1-1/4" Soft Drawn Type K Copper Tube	11.11	3.31
		For <20, Add	*0.62*	
		For >150, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0431	LF	1-1/2" Soft Drawn Type K Copper Tube	14.07	3.70
		For <20, Add	*0.85*	
		For >150, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*1.66*	
22 11 16 00-0432	LF	2" Soft Drawn Type K Copper Tube	20.11	4.55
		For <20, Add	*1.33*	
		For >150, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0433	LF	2-1/2" Soft Drawn Type K Copper Tube	28.11	5.47
		For <20, Add	*1.99*	
		For >150, Deduct	*-3.98*	
		For Work In Restricted Working Space, Add	*2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0434	LF	3" Soft Drawn Type K Copper Tube	37.38	6.45
		For <20, Add	*2.77*	
		For >150, Deduct	*-5.54*	
		For Work In Restricted Working Space, Add	*2.90*	

22 11 16 00-0435 Copper And Brass Fittings *(22 11 16 00-0368)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0436 90 Degree Copper Elbows *(22 11 16 00-0435)*

22 11 16 00-0437	EA	1/4" 90 Degree Copper Elbow	18.35	10.20
		For Silver Solder Instead Of 95/5 Solder, Add	*2.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.29*	
		For Street Fitting, Add	*1.22*	
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0438	EA	3/8" 90 Degree Copper Elbow	21.58	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*2.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Street Fitting, Add	*1.29*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0439	EA	1/2" 90 Degree Copper Elbow	26.28	16.82
		For Silver Solder Instead Of 95/5 Solder, Add	*3.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
		For Street Fitting, Add	*0.42*	
		For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0440	EA	3/4" 90 Degree Copper Elbow	33.70	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*4.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Street Fitting, Add	*0.94*	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0441	EA	1" 90 Degree Copper Elbow	43.22	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*5.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Street Fitting, Add	*2.30*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0442	EA	1-1/4" 90 Degree Copper Elbow	49.14	27.06
		For Silver Solder Instead Of 95/5 Solder, Add	*6.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Street Fitting, Add	*3.45*	
		For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0443	EA	1-1/2" 90 Degree Copper Elbow	57.82	29.58
		For Silver Solder Instead Of 95/5 Solder, Add	*7.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.65*	
		For Street Fitting, Add	*5.39*	
		For Work In Restricted Working Space, Add	*13.30*	
22 11 16 00-0444	EA	2" 90 Degree Copper Elbow	74.27	33.18
		For Silver Solder Instead Of 95/5 Solder, Add	*8.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.46*	
		For Street Fitting, Add	*9.83*	
		For Work In Restricted Working Space, Add	*14.91*	
22 11 16 00-0445	EA	2-1/2" 90 Degree Copper Elbow	98.89	33.81
		For Silver Solder Instead Of 95/5 Solder, Add	*10.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.61*	
		For Work In Restricted Working Space, Add	*15.21*	
22 11 16 00-0446	EA	3" 90 Degree Copper Elbow	128.52	40.43
		For Silver Solder Instead Of 95/5 Solder, Add	*12.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.09*	
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-0447	EA	4" 90 Degree Copper Elbow	250.80	57.34
		For Silver Solder Instead Of 95/5 Solder, Add	*21.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.89*	
		For Work In Restricted Working Space, Add	*25.78*	
22 11 16 00-0448	EA	5" 90 Degree Copper Elbow	808.31	78.46
		For Silver Solder Instead Of 95/5 Solder, Add	*52.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-46.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.64*	
		For Work In Restricted Working Space, Add	*35.29*	
22 11 16 00-0449	EA	6" 90 Degree Copper Elbow	1,091.89	114.18
		For Silver Solder Instead Of 95/5 Solder, Add	*71.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-63.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.67*	
		For Work In Restricted Working Space, Add	*51.35*	
22 11 16 00-0450	EA	8" 90 Degree Copper Elbow	3,634.43	152.21
		For Silver Solder Instead Of 95/5 Solder, Add	*204.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-193.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.23*	
		For Work In Restricted Working Space, Add	*68.46*	

22 11 16 00-0451 90 Degree Brass Elbows *(22 11 16 00-0435)*

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0452 EA 1/2" Drop Ear 90 Degree Brass Elbow	31.81	16.82
For Silver Solder Instead Of 95/5 Solder, Add	*4.11*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.85*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0453 EA 3/4" Drop Ear 90 Degree Brass Elbow	50.53	20.95
For Silver Solder Instead Of 95/5 Solder, Add	*5.66*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.09*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0454 EA 1/2" Flanged Sink 90 Degree Brass Elbow	37.22	16.82
For Silver Solder Instead Of 95/5 Solder, Add	*4.38*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.12*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0455 EA 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	28.19	12.23
For Silver Solder Instead Of 95/5 Solder, Add	*3.24*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.33*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0456 EA 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	32.28	16.82
For Silver Solder Instead Of 95/5 Solder, Add	*4.14*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.88*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0457 EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	43.74	20.95
For Silver Solder Instead Of 95/5 Solder, Add	*5.32*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.75*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0458 EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	77.05	25.00
For Silver Solder Instead Of 95/5 Solder, Add	*7.60*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.73*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0459 Reducing 90 Degree Copper Elbows *(22 11 16 00-0435)*		
22 11 16 00-0460 EA 1/2" Reducing 90 Degree Copper Elbow	33.73	16.82
For Silver Solder Instead Of 95/5 Solder, Add	*4.21*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.95*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0461 EA 3/4" Reducing 90 Degree Copper Elbow	37.37	20.95
For Silver Solder Instead Of 95/5 Solder, Add	*5.00*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.44*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0462 EA 1" Reducing 90 Degree Copper Elbow	48.52	25.00
For Silver Solder Instead Of 95/5 Solder, Add	*6.17*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.30*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0463 EA 1-1/4" Reducing 90 Degree Copper Elbow	68.70	27.06
For Silver Solder Instead Of 95/5 Solder, Add	*7.49*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.46*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0464 EA 1-1/2" Reducing 90 Degree Copper Elbow	81.37	29.58
For Silver Solder Instead Of 95/5 Solder, Add	*8.50*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.29*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*6.65*	
For Work In Restricted Working Space, Add	*13.30*	
22 11 16 00-0465 EA 2" Reducing 90 Degree Copper Elbow	99.54	33.18
For Silver Solder Instead Of 95/5 Solder, Add	*9.95*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.46*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*7.46*	
For Work In Restricted Working Space, Add	*14.91*	
22 11 16 00-0466 45 Degree Copper Elbows *(22 11 16 00-0435)*		
22 11 16 00-0467 EA 1/4" 45 Degree Copper Elbow	21.00	10.20
For Silver Solder Instead Of 95/5 Solder, Add	*2.58*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.81*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*2.29*	
For Street Fitting, Add	*2.28*	
For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0468 EA 3/8" 45 Degree Copper Elbow	23.24	12.23
For Silver Solder Instead Of 95/5 Solder, Add	*3.00*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.08*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
For Street Fitting, Add	*1.96*	
For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0469 EA 1/2" 45 Degree Copper Elbow	27.15	16.82
For Silver Solder Instead Of 95/5 Solder, Add	*3.88*	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.62*	
For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
For Street Fitting, Add	*0.77*	
For Work In Restricted Working Space, Add	*7.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0470	EA	3/4" 45 Degree Copper Elbow	34.63	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*4.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Street Fitting, Add	*1.32*	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0471	EA	1" 45 Degree Copper Elbow	45.67	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*6.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Street Fitting, Add	*3.28*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0472	EA	1-1/4" 45 Degree Copper Elbow	51.64	27.06
		For Silver Solder Instead Of 95/5 Solder, Add	*6.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Street Fitting, Add	*4.45*	
		For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0473	EA	1-1/2" 45 Degree Copper Elbow	57.99	29.58
		For Silver Solder Instead Of 95/5 Solder, Add	*7.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.65*	
		For Street Fitting, Add	*5.46*	
		For Work In Restricted Working Space, Add	*13.30*	
22 11 16 00-0474	EA	2" 45 Degree Copper Elbow	72.47	33.18
		For Silver Solder Instead Of 95/5 Solder, Add	*8.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.46*	
		For Work In Restricted Working Space, Add	*14.91*	
22 11 16 00-0475	EA	2-1/2" 45 Degree Copper Elbow	98.31	33.81
		For Silver Solder Instead Of 95/5 Solder, Add	*9.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.61*	
		For Work In Restricted Working Space, Add	*15.21*	
22 11 16 00-0476	EA	3" 45 Degree Copper Elbow	131.20	40.43
		For Silver Solder Instead Of 95/5 Solder, Add	*12.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.09*	
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-0477	EA	4" 45 Degree Copper Elbow	236.53	57.34
		For Silver Solder Instead Of 95/5 Solder, Add	*20.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.89*	
		For Work In Restricted Working Space, Add	*25.78*	
22 11 16 00-0478	EA	5" 45 Degree Copper Elbow	700.88	78.46
		For Silver Solder Instead Of 95/5 Solder, Add	*46.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-40.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.64*	
		For Work In Restricted Working Space, Add	*35.29*	
22 11 16 00-0479	EA	6" 45 Degree Copper Elbow	1,090.32	114.18
		For Silver Solder Instead Of 95/5 Solder, Add	*71.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-63.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.67*	
		For Work In Restricted Working Space, Add	*51.35*	
22 11 16 00-0480	EA	8" 45 Degree Copper Elbow	3,351.45	152.21
		For Silver Solder Instead Of 95/5 Solder, Add	*190.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-178.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.23*	
		For Work In Restricted Working Space, Add	*68.46*	

22 11 16 00-0481 Straight Copper And Brass Tees *(22 11 16 00-0435)*

22 11 16 00-0482	EA	1/4" Straight Copper Tee	29.33	15.29
		For Silver Solder Instead Of 95/5 Solder, Add	*3.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.44*	
		For Work In Restricted Working Space, Add	*6.88*	
22 11 16 00-0483	EA	3/8" Straight Copper Tee	32.68	18.35
		For Silver Solder Instead Of 95/5 Solder, Add	*4.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0484	EA	1/2" Straight Copper Tee	40.02	25.53
		For Silver Solder Instead Of 95/5 Solder, Add	*5.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.73*	
		For Work In Restricted Working Space, Add	*11.47*	
22 11 16 00-0485	EA	3/4" Straight Copper Tee	51.71	31.65
		For Silver Solder Instead Of 95/5 Solder, Add	*7.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.11*	
		For Work In Restricted Working Space, Add	*14.22*	
22 11 16 00-0486	EA	1" Straight Copper Tee	69.54	37.77
		For Silver Solder Instead Of 95/5 Solder, Add	*9.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.49*	
		For Work In Restricted Working Space, Add	*16.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0487	EA	1-1/4" Straight Copper Tee	79.21	40.82
		For Silver Solder Instead Of 95/5 Solder, Add	*10.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.17*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0488	EA	1-1/2" Straight Copper Tee	93.83	44.34
		For Silver Solder Instead Of 95/5 Solder, Add	*11.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.98*	
		For Work In Restricted Working Space, Add	*19.96*	
22 11 16 00-0489	EA	2" Straight Copper Tee	118.34	50.00
		For Silver Solder Instead Of 95/5 Solder, Add	*13.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.24*	
		For Work In Restricted Working Space, Add	*22.48*	
22 11 16 00-0490	EA	2-1/2" Straight Copper Tee	161.95	50.71
		For Silver Solder Instead Of 95/5 Solder, Add	*15.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.41*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0491	EA	3" Straight Copper Tee	222.77	61.07
		For Silver Solder Instead Of 95/5 Solder, Add	*20.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.73*	
		For Work In Restricted Working Space, Add	*27.47*	
22 11 16 00-0492	EA	4" Straight Copper Tee	445.75	85.51
		For Silver Solder Instead Of 95/5 Solder, Add	*35.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.23*	
		For Work In Restricted Working Space, Add	*38.46*	
22 11 16 00-0493	EA	5" Straight Copper Tee	1,213.50	117.00
		For Silver Solder Instead Of 95/5 Solder, Add	*78.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-69.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.31*	
		For Work In Restricted Working Space, Add	*52.62*	
22 11 16 00-0494	EA	6" Straight Copper Tee	1,676.17	171.52
		For Silver Solder Instead Of 95/5 Solder, Add	*109.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-96.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*38.56*	
		For Work In Restricted Working Space, Add	*77.13*	
22 11 16 00-0495	EA	8" Straight Copper Tee	5,816.38	228.35
		For Silver Solder Instead Of 95/5 Solder, Add	*325.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-307.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*51.35*	
		For Work In Restricted Working Space, Add	*102.70*	
22 11 16 00-0496	EA	1/2" Cast Bronze Drop Ear Tee	49.31	25.53
		For Silver Solder Instead Of 95/5 Solder, Add	*6.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.73*	
		For Work In Restricted Working Space, Add	*11.47*	
22 11 16 00-0497		**Reducing Copper Tees** *(22 11 16 00-0435)*		
22 11 16 00-0498	EA	3/8" Reducing Copper Tee	34.66	16.29
		For Silver Solder Instead Of 95/5 Solder, Add	*4.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
22 11 16 00-0499	EA	1/2" Reducing Copper Tee	43.38	22.93
		For Silver Solder Instead Of 95/5 Solder, Add	*5.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.16*	
		For Work In Restricted Working Space, Add	*10.32*	
22 11 16 00-0500	EA	3/4" Reducing Copper Tee	48.91	29.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.65*	
		For Work In Restricted Working Space, Add	*13.30*	
22 11 16 00-0501	EA	1" Reducing Copper Tee	68.04	35.71
		For Silver Solder Instead Of 95/5 Solder, Add	*8.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.03*	
		For Work In Restricted Working Space, Add	*16.05*	
22 11 16 00-0502	EA	1-1/4" Reducing Copper Tee	80.15	38.76
		For Silver Solder Instead Of 95/5 Solder, Add	*9.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.72*	
		For Work In Restricted Working Space, Add	*17.43*	
22 11 16 00-0503	EA	1-1/2" Reducing Copper Tee	94.61	42.35
		For Silver Solder Instead Of 95/5 Solder, Add	*11.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.52*	
		For Work In Restricted Working Space, Add	*19.04*	
22 11 16 00-0504	EA	2" Reducing Copper Tee	116.14	47.40
		For Silver Solder Instead Of 95/5 Solder, Add	*12.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.67*	
		For Work In Restricted Working Space, Add	*21.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0505	EA	2-1/2" Reducing Copper Tee	167.33	48.89
		For Silver Solder Instead Of 95/5 Solder, Add	*15.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	
22 11 16 00-0506	EA	3" Reducing Copper Tee	239.02	56.35
		For Silver Solder Instead Of 95/5 Solder, Add	*20.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.68*	
		For Work In Restricted Working Space, Add	*25.36*	
22 11 16 00-0507	EA	4" Reducing Copper Tee	429.50	69.52
		For Silver Solder Instead Of 95/5 Solder, Add	*31.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.64*	
		For Work In Restricted Working Space, Add	*31.28*	

22 11 16 00-0508 Copper Couplings *(22 11 16 00-0435)*

22 11 16 00-0509	EA	1/4" Copper Coupling	15.90	10.20
		For Silver Solder Instead Of 95/5 Solder, Add	*2.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.29*	
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0510	EA	3/8" Copper Coupling	19.17	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*2.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0511	EA	1/2" Copper Coupling	25.90	16.82
		For Silver Solder Instead Of 95/5 Solder, Add	*3.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.78*	
		For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-0512	EA	3/4" Copper Coupling	32.71	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*4.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0513	EA	1" Copper Coupling	40.17	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*5.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0514	EA	1-1/4" Copper Coupling	45.29	27.06
		For Silver Solder Instead Of 95/5 Solder, Add	*6.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0515	EA	1-1/2" Copper Coupling	50.66	29.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.65*	
		For Work In Restricted Working Space, Add	*13.30*	
22 11 16 00-0516	EA	2" Copper Coupling	60.21	32.88
		For Silver Solder Instead Of 95/5 Solder, Add	*7.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.46*	
		For Work In Restricted Working Space, Add	*14.91*	
22 11 16 00-0517	EA	2-1/2" Copper Coupling	69.50	31.98
		For Silver Solder Instead Of 95/5 Solder, Add	*8.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.19*	
		For Work In Restricted Working Space, Add	*14.37*	
22 11 16 00-0518	EA	3" Copper Coupling	87.15	38.74
		For Silver Solder Instead Of 95/5 Solder, Add	*10.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.66*	
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0519	EA	4" Copper Coupling	142.26	52.12
		For Silver Solder Instead Of 95/5 Solder, Add	*14.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.62*	
		For Work In Restricted Working Space, Add	*23.24*	
22 11 16 00-0520	EA	5" Copper Coupling	240.65	95.09
		For Silver Solder Instead Of 95/5 Solder, Add	*22.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.85*	
		For Work In Restricted Working Space, Add	*31.70*	
22 11 16 00-0521	EA	6" Copper Coupling	378.05	103.33
		For Silver Solder Instead Of 95/5 Solder, Add	*34.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.24*	
		For Work In Restricted Working Space, Add	*46.49*	
22 11 16 00-0522	EA	8" Copper Coupling	928.85	137.00
		For Silver Solder Instead Of 95/5 Solder, Add	*67.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-56.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.85*	
		For Work In Restricted Working Space, Add	*61.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0523		**Reducing Copper Couplings** *(22 11 16 00-0435)*		
22 11 16 00-0524	EA	3/8" Reducing Copper Coupling	16.63	10.17
		For Silver Solder Instead Of 95/5 Solder, Add	*2.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.29*	
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0525	EA	1/2" Reducing Copper Coupling	23.19	14.52
		For Silver Solder Instead Of 95/5 Solder, Add	*3.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.27*	
		For Work In Restricted Working Space, Add	*6.54*	
22 11 16 00-0526	EA	3/4" Reducing Copper Coupling	30.70	18.89
		For Silver Solder Instead Of 95/5 Solder, Add	*4.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.24*	
		For Work In Restricted Working Space, Add	*8.48*	
22 11 16 00-0527	EA	1" Reducing Copper Coupling	38.78	22.93
		For Silver Solder Instead Of 95/5 Solder, Add	*5.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.16*	
		For Work In Restricted Working Space, Add	*10.32*	
22 11 16 00-0528	EA	1-1/4" Reducing Copper Coupling	45.07	26.00
		For Silver Solder Instead Of 95/5 Solder, Add	*6.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.85*	
		For Work In Restricted Working Space, Add	*11.70*	
22 11 16 00-0529	EA	1-1/2" Reducing Copper Coupling	52.50	28.28
		For Silver Solder Instead Of 95/5 Solder, Add	*6.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.36*	
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0530	EA	2" Reducing Copper Coupling	62.60	31.34
		For Silver Solder Instead Of 95/5 Solder, Add	*7.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.05*	
		For Work In Restricted Working Space, Add	*14.11*	
22 11 16 00-0531	EA	2-1/2" Reducing Copper Coupling	80.30	32.19
		For Silver Solder Instead Of 95/5 Solder, Add	*8.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.24*	
		For Work In Restricted Working Space, Add	*14.48*	
22 11 16 00-0532	EA	3" Reducing Copper Coupling	95.27	37.33
		For Silver Solder Instead Of 95/5 Solder, Add	*10.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.35*	
		For Work In Restricted Working Space, Add	*16.70*	
22 11 16 00-0533	EA	4" Reducing Copper Coupling	151.91	48.89
		For Silver Solder Instead Of 95/5 Solder, Add	*14.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.99*	
		For Work In Restricted Working Space, Add	*21.98*	
22 11 16 00-0534	EA	5" Reducing Copper Coupling	409.74	68.11
		For Silver Solder Instead Of 95/5 Solder, Add	*30.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.32*	
		For Work In Restricted Working Space, Add	*30.64*	
22 11 16 00-0535	EA	6" Reducing Copper Coupling	613.70	91.56
		For Silver Solder Instead Of 95/5 Solder, Add	*44.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.60*	
		For Work In Restricted Working Space, Add	*41.21*	
22 11 16 00-0536	EA	8" Reducing Copper Coupling	1,209.84	133.42
		For Silver Solder Instead Of 95/5 Solder, Add	*80.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-70.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.00*	
		For Work In Restricted Working Space, Add	*60.01*	
22 11 16 00-0537		**Male Copper Adapters** *(22 11 16 00-0435)*		
22 11 16 00-0538	EA	1/4" Male Copper Adapter	26.09	9.94
		For Silver Solder Instead Of 95/5 Solder, Add	*2.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.29*	
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0539	EA	3/8" Male Copper Adapter	23.74	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*3.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0540	EA	1/2" Male Copper Adapter	25.11	15.29
		For Silver Solder Instead Of 95/5 Solder, Add	*3.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.44*	
		For Work In Restricted Working Space, Add	*6.88*	
22 11 16 00-0541	EA	3/4" Male Copper Adapter	31.98	19.12
		For Silver Solder Instead Of 95/5 Solder, Add	*4.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.24*	
		For Work In Restricted Working Space, Add	*8.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0542	EA	1" Male Copper Adapter	42.28	22.17
		For Silver Solder Instead Of 95/5 Solder, Add	*5.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.93*	
		For Work In Restricted Working Space, Add	*9.86*	
22 11 16 00-0543	EA	1-1/4" Male Copper Adapter	51.90	25.23
		For Silver Solder Instead Of 95/5 Solder, Add	*6.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.73*	
		For Work In Restricted Working Space, Add	*11.47*	
22 11 16 00-0544	EA	1-1/2" Male Copper Adapter	59.59	29.05
		For Silver Solder Instead Of 95/5 Solder, Add	*7.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.54*	
		For Work In Restricted Working Space, Add	*13.07*	
22 11 16 00-0545	EA	2" Male Copper Adapter	82.91	37.08
		For Silver Solder Instead Of 95/5 Solder, Add	*9.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.37*	
		For Work In Restricted Working Space, Add	*16.74*	
22 11 16 00-0546	EA	2-1/2" Male Copper Adapter	158.07	48.17
		For Silver Solder Instead Of 95/5 Solder, Add	*15.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.78*	
		For Work In Restricted Working Space, Add	*21.56*	
22 11 16 00-0547	EA	3" Male Copper Adapter	209.91	64.27
		For Silver Solder Instead Of 95/5 Solder, Add	*20.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.37*	
		For Work In Restricted Working Space, Add	*28.74*	
22 11 16 00-0548	EA	4" Male Copper Adapter	317.75	90.16
		For Silver Solder Instead Of 95/5 Solder, Add	*29.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.29*	
		For Work In Restricted Working Space, Add	*40.57*	
22 11 16 00-0549		**Female Copper Adapters** *(22 11 16 00-0435)*		
22 11 16 00-0550	EA	1/4" Female Copper Adapter	22.19	9.94
		For Silver Solder Instead Of 95/5 Solder, Add	*2.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.29*	
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0551	EA	3/8" Female Copper Adapter	25.57	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*3.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0552	EA	1/2" Female Copper Adapter	26.42	15.29
		For Silver Solder Instead Of 95/5 Solder, Add	*3.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.44*	
		For Work In Restricted Working Space, Add	*6.88*	
22 11 16 00-0553	EA	3/4" Female Copper Adapter	33.05	19.12
		For Silver Solder Instead Of 95/5 Solder, Add	*4.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.24*	
		For Work In Restricted Working Space, Add	*8.48*	
22 11 16 00-0554	EA	1" Female Copper Adapter	43.80	22.17
		For Silver Solder Instead Of 95/5 Solder, Add	*5.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.93*	
		For Work In Restricted Working Space, Add	*9.86*	
22 11 16 00-0555	EA	1-1/4" Female Copper Adapter	54.23	25.23
		For Silver Solder Instead Of 95/5 Solder, Add	*6.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.73*	
		For Work In Restricted Working Space, Add	*11.47*	
22 11 16 00-0556	EA	1-1/2" Female Copper Adapter	68.65	29.05
		For Silver Solder Instead Of 95/5 Solder, Add	*7.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.54*	
		For Work In Restricted Working Space, Add	*13.07*	
22 11 16 00-0557	EA	2" Female Copper Adapter	89.81	37.08
		For Silver Solder Instead Of 95/5 Solder, Add	*10.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.37*	
		For Work In Restricted Working Space, Add	*16.74*	
22 11 16 00-0558	EA	2-1/2" Female Copper Adapter	187.84	44.37
		For Silver Solder Instead Of 95/5 Solder, Add	*16.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.93*	
		For Work In Restricted Working Space, Add	*19.86*	
22 11 16 00-0559	EA	3" Female Copper Adapter	300.69	64.27
		For Silver Solder Instead Of 95/5 Solder, Add	*24.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.37*	
		For Work In Restricted Working Space, Add	*28.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0560		**Wrot Copper, Solder Union** *(22 11 16 00-0435)*		
22 11 16 00-0561	EA	1/4" Wrot Copper, Solder Union	33.61	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*3.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0562	EA	3/8" Wrot Copper, Solder Union	37.89	14.76
		For Silver Solder Instead Of 95/5 Solder, Add	*4.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0563	EA	1/2" Wrot Copper, Solder Union	37.25	18.35
		For Silver Solder Instead Of 95/5 Solder, Add	*4.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0564	EA	3/4" Wrot Copper, Solder Union	43.29	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*5.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0565	EA	1" Wrot Copper, Solder Union	58.00	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*6.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0566	EA	1-1/4" Wrot Copper, Solder Union	71.03	27.53
		For Silver Solder Instead Of 95/5 Solder, Add	*7.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.19*	
		For Work In Restricted Working Space, Add	*12.39*	
22 11 16 00-0567	EA	1-1/2" Wrot Copper, Solder Union	87.80	30.58
		For Silver Solder Instead Of 95/5 Solder, Add	*8.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.88*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0568	EA	2" Wrot Copper, Solder Union	126.52	36.69
		For Silver Solder Instead Of 95/5 Solder, Add	*11.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.26*	
		For Work In Restricted Working Space, Add	*16.51*	
22 11 16 00-0569	EA	2-1/2" Wrot Copper, Solder Union	255.49	40.43
		For Silver Solder Instead Of 95/5 Solder, Add	*18.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.09*	
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-0570	EA	3" Wrot Copper, Solder Union	590.32	57.34
		For Silver Solder Instead Of 95/5 Solder, Add	*38.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.89*	
		For Work In Restricted Working Space, Add	*25.78*	
22 11 16 00-0571		**Cast Bronze, Solder Union** *(22 11 16 00-0435)*		
22 11 16 00-0572	EA	1/4" Cast Bronze, Solder Union	39.24	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*3.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0573	EA	3/8" Cast Bronze, Solder Union	43.20	14.76
		For Silver Solder Instead Of 95/5 Solder, Add	*4.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0574	EA	1/2" Cast Bronze, Solder Union	38.73	18.35
		For Silver Solder Instead Of 95/5 Solder, Add	*4.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0575	EA	3/4" Cast Bronze, Solder Union	45.38	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*5.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0576	EA	1" Cast Bronze, Solder Union	61.62	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*6.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0577	EA	1-1/4" Cast Bronze, Solder Union	80.94	27.53
		For Silver Solder Instead Of 95/5 Solder, Add	*8.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.19*	
		For Work In Restricted Working Space, Add	*12.39*	
22 11 16 00-0578	EA	1-1/2" Cast Bronze, Solder Union	98.14	30.58
		For Silver Solder Instead Of 95/5 Solder, Add	*9.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.88*	
		For Work In Restricted Working Space, Add	*13.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0579	EA	2" Cast Bronze, Solder Union	144.12	36.69
		For Silver Solder Instead Of 95/5 Solder, Add	*12.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.26*	
		For Work In Restricted Working Space, Add	*16.51*	
22 11 16 00-0580	EA	2-1/2" Cast Bronze, Solder Union	255.47	40.43
		For Silver Solder Instead Of 95/5 Solder, Add	*18.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.09*	
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-0581	EA	3" Cast Bronze, Solder Union	590.32	57.34
		For Silver Solder Instead Of 95/5 Solder, Add	*38.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.89*	
		For Work In Restricted Working Space, Add	*25.78*	

22 11 16 00-0582 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0435)*

22 11 16 00-0583	EA	1/4" Cast Bronze, Solder X Female Threaded Union	46.84	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*4.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0584	EA	3/8" Cast Bronze, Solder X Female Threaded Union	51.64	14.76
		For Silver Solder Instead Of 95/5 Solder, Add	*4.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0585	EA	1/2" Cast Bronze, Solder X Female Threaded Union	50.94	18.35
		For Silver Solder Instead Of 95/5 Solder, Add	*5.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0586	EA	3/4" Cast Bronze, Solder X Female Threaded Union	63.25	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*6.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	
22 11 16 00-0587	EA	1" Cast Bronze, Solder X Female Threaded Union	103.83	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*8.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0588	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	164.98	27.53
		For Silver Solder Instead Of 95/5 Solder, Add	*12.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.19*	
		For Work In Restricted Working Space, Add	*12.39*	
22 11 16 00-0589	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	202.57	30.58
		For Silver Solder Instead Of 95/5 Solder, Add	*14.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.88*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0590	EA	2" Cast Bronze, Solder X Female Threaded Union	320.29	36.69
		For Silver Solder Instead Of 95/5 Solder, Add	*21.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.26*	
		For Work In Restricted Working Space, Add	*16.51*	
22 11 16 00-0591	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	563.39	40.43
		For Silver Solder Instead Of 95/5 Solder, Add	*34.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.09*	
		For Work In Restricted Working Space, Add	*18.17*	

22 11 16 00-0592 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0435)*

22 11 16 00-0593	EA	1/4" Cast Bronze, Solder X Male Threaded Union	40.05	12.23
		For Silver Solder Instead Of 95/5 Solder, Add	*3.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0594	EA	3/8" Cast Bronze, Solder X Male Threaded Union	47.49	14.76
		For Silver Solder Instead Of 95/5 Solder, Add	*4.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.33*	
		For Work In Restricted Working Space, Add	*6.65*	
22 11 16 00-0595	EA	1/2" Cast Bronze, Solder X Male Threaded Union	46.01	18.35
		For Silver Solder Instead Of 95/5 Solder, Add	*5.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0596	EA	3/4" Cast Bronze, Solder X Male Threaded Union	59.07	20.95
		For Silver Solder Instead Of 95/5 Solder, Add	*6.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0597	EA	1" Cast Bronze, Solder X Male Threaded Union	105.74	25.00
		For Silver Solder Instead Of 95/5 Solder, Add	*9.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0598	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	125.99	27.53
		For Silver Solder Instead Of 95/5 Solder, Add	*10.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.19*	
		For Work In Restricted Working Space, Add	*12.39*	
22 11 16 00-0599	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	134.84	30.58
		For Silver Solder Instead Of 95/5 Solder, Add	*11.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.88*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0600	EA	2" Cast Bronze, Solder X Male Threaded Union	191.70	36.69
		For Silver Solder Instead Of 95/5 Solder, Add	*15.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.26*	
		For Work In Restricted Working Space, Add	*16.51*	
22 11 16 00-0601	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	461.05	40.43
		For Silver Solder Instead Of 95/5 Solder, Add	*29.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.09*	
		For Work In Restricted Working Space, Add	*18.17*	

22 11 16 00-0602 Copper Caps *(22 11 16 00-0435)*

22 11 16 00-0603	EA	1/4" Copper Cap	3.80	1.93
		For Silver Solder Instead Of 95/5 Solder, Add	*0.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.43*	
		For Work In Restricted Working Space, Add	*0.86*	
22 11 16 00-0604	EA	3/8" Copper Cap	4.54	2.04
		For Silver Solder Instead Of 95/5 Solder, Add	*0.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.46*	
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0605	EA	1/2" Copper Cap	4.01	2.20
		For Silver Solder Instead Of 95/5 Solder, Add	*0.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.49*	
		For Work In Restricted Working Space, Add	*0.98*	
22 11 16 00-0606	EA	3/4" Copper Cap	5.50	2.75
		For Silver Solder Instead Of 95/5 Solder, Add	*0.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.61*	
		For Work In Restricted Working Space, Add	*1.22*	
22 11 16 00-0607	EA	1" Copper Cap	8.51	3.48
		For Silver Solder Instead Of 95/5 Solder, Add	*0.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0608	EA	1-1/4" Copper Cap	11.55	4.77
		For Silver Solder Instead Of 95/5 Solder, Add	*1.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.06*	
		For Work In Restricted Working Space, Add	*2.12*	
22 11 16 00-0609	EA	1-1/2" Copper Cap	14.83	5.61
		For Silver Solder Instead Of 95/5 Solder, Add	*1.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.25*	
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0610	EA	2" Copper Cap	30.57	12.51
		For Silver Solder Instead Of 95/5 Solder, Add	*3.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0611	EA	2-1/2" Copper Cap	64.28	19.02
		For Silver Solder Instead Of 95/5 Solder, Add	*6.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.23*	
		For Work In Restricted Working Space, Add	*8.45*	
22 11 16 00-0612	EA	3" Copper Cap	88.68	24.96
		For Silver Solder Instead Of 95/5 Solder, Add	*8.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.09*	
22 11 16 00-0613	EA	4" Copper Cap	141.61	29.72
		For Silver Solder Instead Of 95/5 Solder, Add	*11.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.60*	
		For Work In Restricted Working Space, Add	*13.21*	
22 11 16 00-0614	EA	5" Cast Bronze Cap	747.10	40.78
		For Silver Solder Instead Of 95/5 Solder, Add	*43.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-40.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.17*	
		For Work In Restricted Working Space, Add	*18.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0615	EA	6" Cast Bronze Cap	1,444.93	52.83
		For Silver Solder Instead Of 95/5 Solder, Add	*80.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-76.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.48*	
22 11 16 00-0616	EA	8" Cast Bronze Cap	1,847.21	76.07
		For Silver Solder Instead Of 95/5 Solder, Add	*103.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-98.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.90*	
		For Work In Restricted Working Space, Add	*33.81*	

22 11 16 00-0617 Copper Crosses *(22 11 16 00-0435)*

22 11 16 00-0618	EA	1/2" Copper Cross	58.50	30.99
		For Silver Solder Instead Of 95/5 Solder, Add	*7.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.97*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0619	EA	3/4" Copper Cross	81.09	38.53
		For Silver Solder Instead Of 95/5 Solder, Add	*9.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.66*	
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0620	EA	1" Copper Cross	108.68	45.99
		For Silver Solder Instead Of 95/5 Solder, Add	*12.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.35*	
		For Work In Restricted Working Space, Add	*20.71*	
22 11 16 00-0621	EA	1-1/4" Copper Cross	131.65	49.80
		For Silver Solder Instead Of 95/5 Solder, Add	*14.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.20*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0622	EA	1-1/2" Copper Cross	162.94	54.45
		For Silver Solder Instead Of 95/5 Solder, Add	*16.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.26*	
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0623	EA	2" Copper Cross	245.01	61.07
		For Silver Solder Instead Of 95/5 Solder, Add	*21.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.73*	
		For Work In Restricted Working Space, Add	*27.47*	
22 11 16 00-0624	EA	2-1/2" Copper Cross	455.15	67.62
		For Silver Solder Instead Of 95/5 Solder, Add	*32.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.21*	
		For Work In Restricted Working Space, Add	*30.43*	

22 11 16 00-0625 Cast Bronze Crosses *(22 11 16 00-0435)*

22 11 16 00-0626	EA	3/8" Cast Bronze Cross	49.82	22.54
		For Silver Solder Instead Of 95/5 Solder, Add	*5.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.07*	
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0627	EA	1/2" Cast Bronze Cross	60.90	30.99
		For Silver Solder Instead Of 95/5 Solder, Add	*7.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.97*	
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0628	EA	3/4" Cast Bronze Cross	85.76	38.53
		For Silver Solder Instead Of 95/5 Solder, Add	*10.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.66*	
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0629	EA	1" Cast Bronze Cross	116.60	45.99
		For Silver Solder Instead Of 95/5 Solder, Add	*12.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.35*	
		For Work In Restricted Working Space, Add	*20.71*	
22 11 16 00-0630	EA	1-1/4" Cast Bronze Cross	143.05	49.80
		For Silver Solder Instead Of 95/5 Solder, Add	*14.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.20*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0631	EA	1-1/2" Cast Bronze Cross	179.18	54.45
		For Silver Solder Instead Of 95/5 Solder, Add	*17.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.26*	
		For Work In Restricted Working Space, Add	*24.51*	
22 11 16 00-0632	EA	2" Cast Bronze Cross	275.70	61.07
		For Silver Solder Instead Of 95/5 Solder, Add	*22.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.73*	
		For Work In Restricted Working Space, Add	*27.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0633	EA	2-1/2" Cast Bronze Cross	525.90	67.62
		For Silver Solder Instead Of 95/5 Solder, Add	*36.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.21*	
		For Work In Restricted Working Space, Add	*30.43*	

22 11 16 00-0634 Flexible Corrugated Copper Supply Line *(22 11 16 00-0435)*

22 11 16 00-0635	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	67.51	20.95
22 11 16 00-0636	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	71.86	20.95
22 11 16 00-0637	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	59.68	20.95
22 11 16 00-0638	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	64.61	20.95
22 11 16 00-0639	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	68.96	20.95
22 11 16 00-0640	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	71.86	20.95

22 11 16 00-0641 Crimped Copper Fittings *(22 11 16 00-0368)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0642 Crimped Copper 90 Degree Elbows *(22 11 16 00-0641)*

22 11 16 00-0643	EA	1/2" Crimped Copper 90 Degree Elbow	15.71	9.18
		For Natural Gas Fittings, 125 PSI, Add	*0.29*	
22 11 16 00-0644	EA	3/4" Crimped Copper 90 Degree Elbow	18.98	10.48
		For Natural Gas Fittings, 125 PSI, Add	*0.50*	
22 11 16 00-0645	EA	1" Crimped Copper 90 Degree Elbow	25.37	12.46
		For Natural Gas Fittings, 125 PSI, Add	*1.00*	
22 11 16 00-0646	EA	1-1/4" Crimped Copper 90 Degree Elbow	34.04	13.76
		For Natural Gas Fittings, 125 PSI, Add	*2.01*	
22 11 16 00-0647	EA	1-1/2" Crimped Copper 90 Degree Elbow	48.30	15.29
		For Natural Gas Fittings, 125 PSI, Add	*3.81*	
22 11 16 00-0648	EA	2" Crimped Copper 90 Degree Elbow	62.79	18.35
		For Natural Gas Fittings, 125 PSI, Add	*5.29*	
22 11 16 00-0649	EA	2-1/2" Crimped Copper 90 Degree Elbow	134.53	21.40
		For Natural Gas Fittings, 125 PSI, Add	*15.36*	
22 11 16 00-0650	EA	3" Crimped Copper 90 Degree Elbow	167.08	25.46
		For Natural Gas Fittings, 125 PSI, Add	*19.33*	
22 11 16 00-0651	EA	4" Crimped Copper 90 Degree Elbow	209.88	33.64
		For Natural Gas Fittings, 125 PSI, Add	*23.91*	

22 11 16 00-0652 Crimped Copper 45 Degree Elbows *(22 11 16 00-0641)*

22 11 16 00-0653	EA	1/2" Crimped Copper 45 Degree Elbow	16.04	9.18
		For Natural Gas Fittings, 125 PSI, Add	*0.34*	
22 11 16 00-0654	EA	3/4" Crimped Copper 45 Degree Elbow	18.47	10.48
		For Natural Gas Fittings, 125 PSI, Add	*0.42*	
22 11 16 00-0655	EA	1" Crimped Copper 45 Degree Elbow	27.71	12.46
		For Natural Gas Fittings, 125 PSI, Add	*1.35*	
22 11 16 00-0656	EA	1-1/4" Crimped Copper 45 Degree Elbow	33.52	13.76
		For Natural Gas Fittings, 125 PSI, Add	*1.93*	
22 11 16 00-0657	EA	1-1/2" Crimped Copper 45 Degree Elbow	43.81	15.29
		For Natural Gas Fittings, 125 PSI, Add	*3.13*	
22 11 16 00-0658	EA	2" Crimped Copper 45 Degree Elbow	56.74	18.35
		For Natural Gas Fittings, 125 PSI, Add	*4.38*	
22 11 16 00-0659	EA	2-1/2" Crimped Copper 45 Degree Elbow	99.77	21.40
		For Natural Gas Fittings, 125 PSI, Add	*10.15*	
22 11 16 00-0660	EA	3" Crimped Copper 45 Degree Elbow	134.88	25.46
		For Natural Gas Fittings, 125 PSI, Add	*14.50*	
22 11 16 00-0661	EA	4" Crimped Copper 45 Degree Elbow	184.70	33.64
		For Natural Gas Fittings, 125 PSI, Add	*20.14*	

22 11 16 00-0662 Crimped Copper Straight Tees *(22 11 16 00-0641)*

22 11 16 00-0663	EA	1/2" Crimped Copper Straight Tee	23.63	13.76
		For Natural Gas Fittings, 125 PSI, Add	*0.45*	
22 11 16 00-0664	EA	3/4" Crimped Copper Straight Tee	32.41	18.12
		For Natural Gas Fittings, 125 PSI, Add	*0.79*	
22 11 16 00-0665	EA	1" Crimped Copper Straight Tee	39.70	20.10
		For Natural Gas Fittings, 125 PSI, Add	*1.43*	
22 11 16 00-0666	EA	1-1/4" Crimped Copper Straight Tee	47.03	20.64
		For Natural Gas Fittings, 125 PSI, Add	*2.41*	
22 11 16 00-0667	EA	1-1/2" Crimped Copper Straight Tee	66.39	23.47
		For Natural Gas Fittings, 125 PSI, Add	*4.68*	
22 11 16 00-0668	EA	2" Crimped Copper Straight Tee	79.86	27.53
		For Natural Gas Fittings, 125 PSI, Add	*5.79*	
22 11 16 00-0669	EA	2-1/2" Crimped Copper Straight Tee	174.71	32.11
		For Natural Gas Fittings, 125 PSI, Add	*18.98*	
22 11 16 00-0670	EA	3" Crimped Copper Straight Tee	215.51	38.22
		For Natural Gas Fittings, 125 PSI, Add	*23.73*	
22 11 16 00-0671	EA	4" Crimped Copper Straight Tee	297.62	50.46
		For Natural Gas Fittings, 125 PSI, Add	*33.29*	

22 11 16 00-0672 Crimped Copper Reducing Tees *(22 11 16 00-0641)*

22 11 16 00-0673	EA	3/4" Crimped Copper Reducing Tee	27.78	13.07
		For Natural Gas Fittings, 125 PSI, Add	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0674	EA	1" Crimped Copper Reducing Tee	40.20	17.20
		For Natural Gas Fittings, 125 PSI, Add	*2.17*	
22 11 16 00-0675	EA	1-1/4" Crimped Copper Reducing Tee	43.37	19.12
		For Natural Gas Fittings, 125 PSI, Add	*2.21*	
22 11 16 00-0676	EA	1-1/2" Crimped Copper Reducing Tee	57.15	19.65
		For Natural Gas Fittings, 125 PSI, Add	*4.16*	
22 11 16 00-0677	EA	2" Crimped Copper Reducing Tee	68.48	22.25
		For Natural Gas Fittings, 125 PSI, Add	*5.26*	
22 11 16 00-0678	EA	2-1/2" Crimped Copper Reducing Tee	186.87	25.23
		For Natural Gas Fittings, 125 PSI, Add	*22.30*	
22 11 16 00-0679	EA	3" Crimped Copper Reducing Tee	227.84	30.58
		For Natural Gas Fittings, 125 PSI, Add	*27.30*	
22 11 16 00-0680	EA	4" Crimped Copper Reducing Tee	268.19	40.75
		For Natural Gas Fittings, 125 PSI, Add	*31.05*	

22 11 16 00-0681 Crimped Copper Couplings *(22 11 16 00-0641)*

22 11 16 00-0682	EA	1/2" Crimped Copper Coupling	15.52	9.18
		For Natural Gas Fittings, 125 PSI, Add	*0.26*	
22 11 16 00-0683	EA	3/4" Crimped Copper Coupling	18.34	10.48
		For Natural Gas Fittings, 125 PSI, Add	*0.40*	
22 11 16 00-0684	EA	1" Crimped Copper Coupling	24.13	12.46
		For Natural Gas Fittings, 125 PSI, Add	*0.81*	
22 11 16 00-0685	EA	1-1/4" Crimped Copper Coupling	27.34	13.76
		For Natural Gas Fittings, 125 PSI, Add	*1.01*	
22 11 16 00-0686	EA	1-1/2" Crimped Copper Coupling	35.42	15.29
		For Natural Gas Fittings, 125 PSI, Add	*1.87*	
22 11 16 00-0687	EA	2" Crimped Copper Coupling	43.47	18.35
		For Natural Gas Fittings, 125 PSI, Add	*2.39*	
22 11 16 00-0688	EA	2-1/2" Crimped Copper Coupling	83.12	21.40
		For Natural Gas Fittings, 125 PSI, Add	*7.65*	
22 11 16 00-0689	EA	3" Crimped Copper Coupling	103.18	25.46
		For Natural Gas Fittings, 125 PSI, Add	*9.74*	
22 11 16 00-0690	EA	4" Crimped Copper Coupling	140.67	33.64
		For Natural Gas Fittings, 125 PSI, Add	*13.53*	

22 11 16 00-0691 Crimped Copper Reducing Couplings *(22 11 16 00-0641)*

22 11 16 00-0692	EA	3/4" Crimped Copper Reducing Coupling	21.07	8.71
		For Natural Gas Fittings, 125 PSI, Add	*1.20*	
22 11 16 00-0693	EA	1" Crimped Copper Reducing Coupling	24.09	9.94
		For Natural Gas Fittings, 125 PSI, Add	*1.38*	
22 11 16 00-0694	EA	1-1/4" Crimped Copper Reducing Coupling	31.16	11.85
		For Natural Gas Fittings, 125 PSI, Add	*2.00*	
22 11 16 00-0695	EA	1-1/2" Crimped Copper Reducing Coupling	39.29	13.07
		For Natural Gas Fittings, 125 PSI, Add	*2.95*	
22 11 16 00-0696	EA	2" Crimped Copper Reducing Coupling	43.91	14.52
		For Natural Gas Fittings, 125 PSI, Add	*3.32*	
22 11 16 00-0697	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	86.26	17.35
		For Natural Gas Fittings, 125 PSI, Add	*9.04*	
22 11 16 00-0698	EA	3" Crimped Copper FTG x C Reducing Coupling	107.44	20.42
		For Natural Gas Fittings, 125 PSI, Add	*11.53*	
22 11 16 00-0699	EA	4" Crimped Copper FTG x C Reducing Coupling	139.68	26.98
		For Natural Gas Fittings, 125 PSI, Add	*14.87*	

22 11 16 00-0700 Crimped Copper Male Adapters *(22 11 16 00-0641)*

22 11 16 00-0701	EA	1/2" Crimped Copper Male Adapter	15.91	9.18
		For Natural Gas Fittings, 125 PSI, Add	*0.32*	
22 11 16 00-0702	EA	3/4" Crimped Copper Male Adapter	19.57	10.48
		For Natural Gas Fittings, 125 PSI, Add	*0.59*	
22 11 16 00-0703	EA	1" Crimped Copper Male Adapter	25.88	12.46
		For Natural Gas Fittings, 125 PSI, Add	*1.07*	
22 11 16 00-0704	EA	1-1/4" Crimped Copper Male Adapter	36.32	13.76
		For Natural Gas Fittings, 125 PSI, Add	*2.35*	
22 11 16 00-0705	EA	1-1/2" Crimped Copper Male Adapter	44.92	15.29
		For Natural Gas Fittings, 125 PSI, Add	*3.30*	
22 11 16 00-0706	EA	2" Crimped Copper Male Adapter	69.88	18.35
		For Natural Gas Fittings, 125 PSI, Add	*6.35*	
22 11 16 00-0707	EA	2-1/2" Crimped Copper Male Adapter	134.53	21.40
		For Natural Gas Fittings, 125 PSI, Add	*15.36*	
22 11 16 00-0708	EA	3" Crimped Copper Male Adapter	167.08	25.46
		For Natural Gas Fittings, 125 PSI, Add	*19.33*	
22 11 16 00-0709	EA	4" Crimped Copper Male Adapter	199.62	33.64
		For Natural Gas Fittings, 125 PSI, Add	*22.37*	

22 11 16 00-0710 Crimped Copper Female Adapters *(22 11 16 00-0641)*

22 11 16 00-0711	EA	1/2" Crimped Copper Female Adapter	16.36	9.18
		For Natural Gas Fittings, 125 PSI, Add	*0.39*	
22 11 16 00-0712	EA	3/4" Crimped Copper Female Adapter	19.90	10.48
		For Natural Gas Fittings, 125 PSI, Add	*0.63*	
22 11 16 00-0713	EA	1" Crimped Copper Female Adapter	26.54	12.46
		For Natural Gas Fittings, 125 PSI, Add	*1.17*	
22 11 16 00-0714	EA	1-1/4" Crimped Copper Female Adapter	38.27	13.76
		For Natural Gas Fittings, 125 PSI, Add	*2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0715	EA	1-1/2" Crimped Copper Female Adapter	48.56	15.29
		For Natural Gas Fittings, 125 PSI, Add	*3.84*	
22 11 16 00-0716	EA	2" Crimped Copper Female Adapter	71.05	18.35
		For Natural Gas Fittings, 125 PSI, Add	*6.53*	

22 11 16 00-0717 Crimped Copper Caps *(22 11 16 00-0641)*

22 11 16 00-0718	EA	1/2" Crimped Copper Cap	10.65	4.58
		For Natural Gas Fittings, 125 PSI, Add	*0.57*	
22 11 16 00-0719	EA	3/4" Crimped Copper Cap	14.40	5.35
		For Natural Gas Fittings, 125 PSI, Add	*0.96*	
22 11 16 00-0720	EA	1" Crimped Copper Cap	19.00	6.11
		For Natural Gas Fittings, 125 PSI, Add	*1.47*	
22 11 16 00-0721	EA	1-1/4" Crimped Copper Cap	21.44	6.88
		For Natural Gas Fittings, 125 PSI, Add	*1.67*	
22 11 16 00-0722	EA	1-1/2" Crimped Copper Cap	29.09	7.88
		For Natural Gas Fittings, 125 PSI, Add	*2.59*	
22 11 16 00-0723	EA	2" Crimped Copper Cap	34.70	9.18
		For Natural Gas Fittings, 125 PSI, Add	*3.14*	
22 11 16 00-0724	EA	2-1/2" Crimped Copper Cap	83.03	10.71
		For Natural Gas Fittings, 125 PSI, Add	*10.05*	
22 11 16 00-0725	EA	3" Crimped Copper Cap	103.88	12.77
		For Natural Gas Fittings, 125 PSI, Add	*12.71*	
22 11 16 00-0726	EA	4" Crimped Copper Cap	138.17	16.82
		For Natural Gas Fittings, 125 PSI, Add	*16.94*	

22 11 16 00-0727 C x F NPT Crimped Bronze Unions *(22 11 16 00-0641)*

22 11 16 00-0728	EA	1/2" C x F NPT Crimped Bronze Union	29.79	12.46
		For Natural Gas Fittings, 125 PSI, Add	*1.66*	
22 11 16 00-0729	EA	3/4" C x F NPT Crimped Bronze Union	37.20	15.37
		For Natural Gas Fittings, 125 PSI, Add	*2.13*	
22 11 16 00-0730	EA	1" C x F NPT Crimped Bronze Union	51.15	18.42
		For Natural Gas Fittings, 125 PSI, Add	*3.53*	
22 11 16 00-0731	EA	1-1/4" C x F NPT Crimped Bronze Union	61.76	21.25
		For Natural Gas Fittings, 125 PSI, Add	*4.47*	
22 11 16 00-0732	EA	1-1/2" C x F NPT Crimped Bronze Union	78.03	20.80
		For Natural Gas Fittings, 125 PSI, Add	*7.03*	
22 11 16 00-0733	EA	2" C x F NPT Crimped Bronze Union	107.16	30.13
		For Natural Gas Fittings, 125 PSI, Add	*9.31*	

22 11 16 00-0734 C x C Crimped Bronze Unions *(22 11 16 00-0641)*

22 11 16 00-0735	EA	1/2" C x C Bronze Crimped Union	27.55	9.18
		For Natural Gas Fittings, 125 PSI, Add	*2.07*	
22 11 16 00-0736	EA	3/4" C x C Bronze Crimped Union	33.75	10.48
		For Natural Gas Fittings, 125 PSI, Add	*2.71*	
22 11 16 00-0737	EA	1" C x C Bronze Crimped Union	47.61	12.46
		For Natural Gas Fittings, 125 PSI, Add	*4.33*	
22 11 16 00-0738	EA	1-1/4" C x C Bronze Crimped Union	61.88	13.76
		For Natural Gas Fittings, 125 PSI, Add	*6.19*	
22 11 16 00-0739	EA	1-1/2" C x C Bronze Crimped Union	78.94	15.29
		For Natural Gas Fittings, 125 PSI, Add	*8.40*	
22 11 16 00-0740	EA	2" C x C Bronze Crimped Union	119.00	18.35
		For Natural Gas Fittings, 125 PSI, Add	*13.72*	

22 11 16 00-0741 C x Flange Crimped Bronze Flange *(22 11 16 00-0641)*

22 11 16 00-0742	EA	2-1/2" C x Flange Crimped Bronze Flange	227.95	21.40
22 11 16 00-0743	EA	3" C x Flange Crimped Bronze Flange	249.01	25.46
22 11 16 00-0744	EA	4" C x Flange Crimped Bronze Flange	286.43	33.64

22 11 16 00-0745 Field Installed FKM Seals *(22 11 16 00-0641)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0746	EA	1/2" Field Installed FKM Seal	4.54	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0747	EA	3/4" Field Installed FKM Seal	5.70	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0748	EA	1" Field Installed FKM Seal	6.53	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0749	EA	1-1/4" Field Installed FKM Seal	7.50	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0750	EA	1-1/2" Field Installed FKM Seal	10.35	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0751	EA	2" Field Installed FKM Seal	11.56	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0752	EA	2-1/2" Field Installed FKM Seal	16.94	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0753	EA	3" Field Installed FKM Seal	19.51	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0754	EA	4" Field Installed FKM Seal	26.53	
		Note: To be used in conjunction with fittings.		

22 11 16 00-0755 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0368)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0756	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	7.64	
22 11 16 00-0757	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	8.26	
22 11 16 00-0758	EA	1", Cut And Prepare Existing In Place Copper Pipe	9.29	
22 11 16 00-0759	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	9.75	
22 11 16 00-0760	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	10.32	
22 11 16 00-0761	EA	2", Cut And Prepare Existing In Place Copper Pipe	11.35	
22 11 16 00-0762	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	12.24	
22 11 16 00-0763	EA	3", Cut And Prepare Existing In Place Copper Pipe	14.45	
22 11 16 00-0764	EA	4", Cut And Prepare Existing In Place Copper Pipe	19.50	
22 11 16 00-0765	EA	6", Cut And Prepare Existing In Place Copper Pipe	27.86	
22 11 16 00-0766	EA	8", Cut And Prepare Existing In Place Copper Pipe	37.16	
22 11 16 00-0767		**Sweat Brass Companion Flanges** *(22 11 16 00-0368)*		
22 11 16 00-0768	EA	1" Sweat Brass Companion Flange	50.75	11.76
22 11 16 00-0769	EA	1-1/4" Sweat Brass Companion Flange	55.35	12.96
22 11 16 00-0770	EA	1-1/2" Sweat Brass Companion Flange	81.11	14.09
22 11 16 00-0771	EA	2" Sweat Brass Companion Flange	110.00	15.64
22 11 16 00-0772	EA	2-1/2" Sweat Brass Companion Flange	139.51	18.80
22 11 16 00-0773	EA	3" Sweat Brass Companion Flange	152.20	24.65
22 11 16 00-0774	EA	4" Sweat Brass Companion Flange	204.80	29.38
22 11 16 00-0775	EA	5" Sweat Brass Companion Flange	387.66	36.33
22 11 16 00-0776	EA	6" Sweat Brass Companion Flange	441.15	52.79
22 11 16 00-0777	EA	8" Copper Companion Flange	1,043.22	75.29
22 11 16 00-0778		**Brass Compression Fittings** *(22 11 16 00-0368)*		
22 11 16 00-0779		**Brass Compression Unions** *(22 11 16 00-0778)*		
22 11 16 00-0780	EA	1/4" Brass Compression Union	13.28	8.26
22 11 16 00-0781	EA	3/8" Brass Compression Union	13.52	8.26
22 11 16 00-0782	EA	1/2" Brass Compression Union	14.26	8.26
22 11 16 00-0783	EA	5/8" Brass Compression Union	14.61	8.26
22 11 16 00-0784	EA	3/4" Brass Compression Union	19.55	8.26
22 11 16 00-0785		**Brass Compression Union Elbows** *(22 11 16 00-0778)*		
22 11 16 00-0786	EA	1/4" Brass Compression Union Elbow	14.26	8.26
22 11 16 00-0787	EA	3/8" Brass Compression Union Elbow	14.65	8.26
22 11 16 00-0788	EA	1/2" Brass Compression Union Elbow	15.53	8.26
22 11 16 00-0789	EA	5/8" Brass Compression Union Elbow	16.88	8.26
22 11 16 00-0790	EA	3/4" Brass Compression Union Elbow	22.16	8.26
22 11 16 00-0791	EA	3/8" x 1/4" Brass Compression Union Elbow	14.65	8.26
22 11 16 00-0792	EA	1/2" x 3/8" Brass Compression Union Elbow	15.53	8.26
22 11 16 00-0793	EA	5/8" x 3/8" Brass Compression Union Elbow	15.77	8.26
22 11 16 00-0794	EA	5/8" x 1/2" Brass Compression Union Elbow	19.74	8.26
22 11 16 00-0795		**Brass Compression Union Tees** *(22 11 16 00-0778)*		
22 11 16 00-0796	EA	1/4" Brass Compression Union Tee	14.56	8.26
22 11 16 00-0797	EA	3/8" Brass Compression Union Tee	15.38	8.26
22 11 16 00-0798	EA	1/2" Brass Compression Union Tee	16.25	8.26
22 11 16 00-0799	EA	5/8" Brass Compression Union Tee	19.01	8.26
22 11 16 00-0800	EA	3/4" Brass Compression Union Tee	28.55	8.26
22 11 16 00-0801	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	15.96	8.26
22 11 16 00-0802	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	20.44	8.26
22 11 16 00-0803	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	20.01	8.26
22 11 16 00-0804	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	20.51	8.26
22 11 16 00-0805		**Brass Compression Male Connectors** *(22 11 16 00-0778)*		
22 11 16 00-0806	EA	1/4" Brass Compression Male Connector	13.10	8.26
22 11 16 00-0807	EA	3/8" Brass Compression Male Connector	13.42	8.26
22 11 16 00-0808	EA	1/2" Brass Compression Male Connector	13.98	8.26
22 11 16 00-0809	EA	5/8" Brass Compression Male Connector	14.80	8.26
22 11 16 00-0810	EA	3/4" Brass Compression Male Connector	17.39	8.18
22 11 16 00-0811		**Brass Compression Female Connectors** *(22 11 16 00-0778)*		
22 11 16 00-0812	EA	1/4" Brass Compression Female Connector	13.45	8.26
22 11 16 00-0813	EA	3/8" Brass Compression Female Connector	13.87	8.26
22 11 16 00-0814	EA	1/2" Brass Compression Female Connector	14.57	8.26
22 11 16 00-0815	EA	5/8" Brass Compression Female Connector	15.09	8.26
22 11 16 00-0816	EA	3/4" Brass Compression Female Connector	22.42	8.11
22 11 16 00-0817		**Dielectric Fittings** *(22 11 16 00-0368)*		
22 11 16 00-0818		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0817)*		
22 11 16 00-0819	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	34.83	18.35
22 11 16 00-0820	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	38.64	20.95
22 11 16 00-0821	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	47.21	23.04
22 11 16 00-0822	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	58.84	25.35
22 11 16 00-0823	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	72.76	28.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0824	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	93.70	33.81
22 11 16 00-0825		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0817)*		
22 11 16 00-0826	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	39.44	18.35
22 11 16 00-0827	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	46.23	20.95
22 11 16 00-0828	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	57.22	23.04
22 11 16 00-0829	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	72.12	25.35
22 11 16 00-0830	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	89.19	28.18
22 11 16 00-0831	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	112.97	33.81
22 11 16 00-0832		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0817)*		
22 11 16 00-0833	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	36.52	18.35
22 11 16 00-0834	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	41.41	20.95
22 11 16 00-0835	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	47.94	23.04
22 11 16 00-0836	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	56.27	25.35
22 11 16 00-0837	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	70.22	28.18
22 11 16 00-0838	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	91.66	33.81
22 11 16 00-0839		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0817)*		
22 11 16 00-0840	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	225.15	86.92
22 11 16 00-0841	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	281.46	109.46
22 11 16 00-0842	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	400.33	148.97
22 11 16 00-0843		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0817)*		
22 11 16 00-0844	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	227.07	86.92
22 11 16 00-0845	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	296.57	109.46
22 11 16 00-0846	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	574.69	148.97
22 11 16 00-0847		**Copper Pipe Assemblies** *(22 11 16)* Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0848	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	15.22	2.15
		For Type K Tubing Instead Of Type L, Add	*1.05*	
		For Type M Tubing Instead Of Type L, Deduct	*-0.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.96*	
		For For Brazed Fittings, Add	*0.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*3.59*	
22 11 16 00-0849	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	17.36	2.75
		For Type K Tubing Instead Of Type L, Add	*1.21*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.00*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.22*	
		For For Brazed Fittings, Add	*0.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.55*	
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0850	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	19.00	3.28
		For Type K Tubing Instead Of Type L, Add	*1.41*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.14*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.37*	
		For For Brazed Fittings, Add	*0.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0851	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	21.38	3.83
		For Type K Tubing Instead Of Type L, Add	*1.74*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.38*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.55*	
		For For Brazed Fittings, Add	*0.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*4.43*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.66*	
22 11 16 00-0852	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	23.65	4.36
		For Type K Tubing Instead Of Type L, Add	*2.01*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.58*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.76*	
		For For Brazed Fittings, Add	*0.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*4.72*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0853	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	29.51	5.43
		For Type K Tubing Instead Of Type L, Add	*2.71*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.09*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.29*	
		For For Brazed Fittings, Add	*0.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*5.43*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.14*	
22 11 16 00-0854	LF	2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	36.43	6.55
		For Type K Tubing Instead Of Type L, Add	*3.74*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.76*	
		For For Brazed Fittings, Add	*0.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.79*	
		For Work In Restricted Working Space, Add	*5.83*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.70*	
22 11 16 00-0855	LF	3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	44.54	7.61
		For Type K Tubing Instead Of Type L, Add	*4.94*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.66*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.33*	
		For For Brazed Fittings, Add	*0.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.28*	
		For Work In Restricted Working Space, Add	*6.32*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.35*	
22 11 16 00-0856	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	69.49	10.08
		For Type K Tubing Instead Of Type L, Add	*8.46*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.16*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.20*	
		For For Brazed Fittings, Add	*1.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.84*	
		For Work In Restricted Working Space, Add	*8.17*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.23*	
22 11 16 00-0857	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	130.16	12.54
		For Type K Tubing Instead Of Type L, Add	*18.00*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.00*	
		For For Brazed Fittings, Add	*1.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.26*	
		For Work In Restricted Working Space, Add	*10.48*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-9.52*	
22 11 16 00-0858	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	170.27	15.15
		For Type K Tubing Instead Of Type L, Add	*23.73*	
		For Type M Tubing Instead Of Type L, Deduct	*-16.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.95*	
		For For Brazed Fittings, Add	*1.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.73*	
		For Work In Restricted Working Space, Add	*13.31*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-12.59*	
22 11 16 00-0859	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	402.53	18.10
		For Type K Tubing Instead Of Type L, Add	*62.79*	
		For Type M Tubing Instead Of Type L, Deduct	*-43.89*	
		For Silver Solder Instead Of 95/5 Solder, Add	*25.64*	
		For For Brazed Fittings, Add	*2.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.88*	
		For Work In Restricted Working Space, Add	*16.54*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-34.74*	

22 11 16 00-0860 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*
Note: Socket weld.

22 11 16 00-0861 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0860)*

22 11 16 00-0862 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0861)*

22 11 16 00-0863	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	4.47	1.13
		For Work In Restricted Working Space, Add	*0.84*	
22 11 16 00-0864	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	5.23	1.18
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0865	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.50	1.28
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-0866	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.07	1.39
		For Work In Restricted Working Space, Add	*1.04*	
22 11 16 00-0867	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	9.41	1.53
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-0868	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.99	1.72
		For Work In Restricted Working Space, Add	*1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0869	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	16.66	1.96
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0870	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	21.50	2.31
		For Work In Restricted Working Space, Add	*1.73*	
22 11 16 00-0871	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	30.18	2.84
		For Work In Restricted Working Space, Add	*2.13*	
22 11 16 00-0872	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	53.67	3.61
		For Work In Restricted Working Space, Add	*2.71*	
22 11 16 00-0873	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	77.69	4.74
		For Work In Restricted Working Space, Add	*3.55*	

22 11 16 00-0874 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0861)*

22 11 16 00-0875	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	15.97	5.35
		For Work In Restricted Working Space, Add	*4.01*	
22 11 16 00-0876	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	20.93	6.76
		For Work In Restricted Working Space, Add	*5.07*	
22 11 16 00-0877	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	27.56	8.45
		For Work In Restricted Working Space, Add	*6.36*	
22 11 16 00-0878	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	38.74	10.56
		For Work In Restricted Working Space, Add	*7.94*	
22 11 16 00-0879	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	43.14	11.69
		For Work In Restricted Working Space, Add	*8.79*	
22 11 16 00-0880	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	51.34	11.69
		For Work In Restricted Working Space, Add	*9.80*	
22 11 16 00-0881	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	85.79	14.86
		For Work In Restricted Working Space, Add	*11.16*	
22 11 16 00-0882	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	96.76	17.61
		For Work In Restricted Working Space, Add	*13.19*	
22 11 16 00-0883	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	142.17	21.63
		For Work In Restricted Working Space, Add	*16.23*	
22 11 16 00-0884	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	179.14	27.47
		For Work In Restricted Working Space, Add	*20.63*	
22 11 16 00-0885	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	360.34	36.07
		For Work In Restricted Working Space, Add	*27.05*	

22 11 16 00-0886 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0861)*

22 11 16 00-0887	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	17.26	5.35
		For Work In Restricted Working Space, Add	*4.01*	
22 11 16 00-0888	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	22.47	6.76
		For Work In Restricted Working Space, Add	*5.07*	
22 11 16 00-0889	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	30.08	8.45
		For Work In Restricted Working Space, Add	*6.36*	
22 11 16 00-0890	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	42.05	10.56
		For Work In Restricted Working Space, Add	*7.94*	
22 11 16 00-0891	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	47.17	11.69
		For Work In Restricted Working Space, Add	*8.79*	
22 11 16 00-0892	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	52.70	13.10
		For Work In Restricted Working Space, Add	*9.80*	
22 11 16 00-0893	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	86.65	14.86
		For Work In Restricted Working Space, Add	*11.16*	
22 11 16 00-0894	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	96.65	17.61
		For Work In Restricted Working Space, Add	*13.19*	
22 11 16 00-0895	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	126.39	21.63
		For Work In Restricted Working Space, Add	*16.23*	
22 11 16 00-0896	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	208.73	27.47
		For Work In Restricted Working Space, Add	*20.63*	
22 11 16 00-0897	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	381.29	36.07
		For Work In Restricted Working Space, Add	*27.05*	

22 11 16 00-0898 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0861)*

22 11 16 00-0899	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	24.78	8.03
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0900	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	32.87	10.14
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0901	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	41.07	12.75
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0902	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	59.20	15.92
		For Work In Restricted Working Space, Add	*11.92*	
22 11 16 00-0903	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	66.28	17.61
		For Work In Restricted Working Space, Add	*13.19*	
22 11 16 00-0904	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	82.33	19.58
		For Work In Restricted Working Space, Add	*14.71*	
22 11 16 00-0905	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	110.49	22.33
		For Work In Restricted Working Space, Add	*16.74*	
22 11 16 00-0906	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	125.45	26.34
		For Work In Restricted Working Space, Add	*19.78*	
22 11 16 00-0907	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	151.45	32.47
		For Work In Restricted Working Space, Add	*24.34*	
22 11 16 00-0908	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	240.51	41.28
		For Work In Restricted Working Space, Add	*30.94*	
22 11 16 00-0909	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	528.57	54.10
		For Work In Restricted Working Space, Add	*40.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0910		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses** *(22 11 16 00-0861)*		
22 11 16 00-0911	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	30.83	10.70
		For Work In Restricted Working Space, Add	*8.03*	
22 11 16 00-0912	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	40.28	13.52
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0913	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	50.37	16.97
		For Work In Restricted Working Space, Add	*12.72*	
22 11 16 00-0914	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	69.75	21.20
		For Work In Restricted Working Space, Add	*15.89*	
22 11 16 00-0915	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	77.83	23.46
		For Work In Restricted Working Space, Add	*17.58*	
22 11 16 00-0916	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	94.04	26.13
		For Work In Restricted Working Space, Add	*19.61*	
22 11 16 00-0917	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	121.50	29.73
		For Work In Restricted Working Space, Add	*22.31*	
22 11 16 00-0918	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	139.17	35.15
		For Work In Restricted Working Space, Add	*26.37*	
22 11 16 00-0919	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	168.75	43.25
		For Work In Restricted Working Space, Add	*32.46*	
22 11 16 00-0920	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	255.83	55.01
		For Work In Restricted Working Space, Add	*41.25*	
22 11 16 00-0921	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	519.09	72.12
		For Work In Restricted Working Space, Add	*54.09*	
22 11 16 00-0922		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts** *(22 11 16 00-0861)*		
22 11 16 00-0923	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	13.95	4.93
		For Work In Restricted Working Space, Add	*3.72*	
22 11 16 00-0924	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	19.72	6.69
		For Work In Restricted Working Space, Add	*5.01*	
22 11 16 00-0925	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	35.64	8.74
		For Work In Restricted Working Space, Add	*6.55*	
22 11 16 00-0926	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	40.45	9.65
		For Work In Restricted Working Space, Add	*7.25*	
22 11 16 00-0927	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	48.37	10.77
		For Work In Restricted Working Space, Add	*8.09*	
22 11 16 00-0928	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	52.10	12.25
		For Work In Restricted Working Space, Add	*9.21*	
22 11 16 00-0929	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	63.67	14.51
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0930	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	88.54	17.82
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0931	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	150.21	22.68
		For Work In Restricted Working Space, Add	*17.01*	
22 11 16 00-0932	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	355.70	29.73
		For Work In Restricted Working Space, Add	*22.31*	
22 11 16 00-0933		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts** *(22 11 16 00-0861)*		
22 11 16 00-0934	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	18.95	3.52
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0935	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	23.33	4.93
		For Work In Restricted Working Space, Add	*3.72*	
22 11 16 00-0936	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	28.42	6.69
		For Work In Restricted Working Space, Add	*5.01*	
22 11 16 00-0937	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	34.89	8.74
		For Work In Restricted Working Space, Add	*6.55*	
22 11 16 00-0938	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	41.56	9.65
		For Work In Restricted Working Space, Add	*7.25*	
22 11 16 00-0939	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	53.91	10.77
		For Work In Restricted Working Space, Add	*8.09*	
22 11 16 00-0940	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	88.26	12.25
		For Work In Restricted Working Space, Add	*9.21*	
22 11 16 00-0941	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	186.61	14.51
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0942	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	281.58	17.82
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0943		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters** *(22 11 16 00-0861)*		
22 11 16 00-0944	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	12.69	3.52
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0945	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	17.65	4.93
		For Work In Restricted Working Space, Add	*3.72*	
22 11 16 00-0946	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	25.54	6.69
		For Work In Restricted Working Space, Add	*5.01*	
22 11 16 00-0947	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	34.89	8.74
		For Work In Restricted Working Space, Add	*6.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0948	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	41.81	9.65
		For Work In Restricted Working Space, Add	*7.25*	
22 11 16 00-0949	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	50.85	10.77
		For Work In Restricted Working Space, Add	*8.09*	
22 11 16 00-0950	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	75.90	12.25
		For Work In Restricted Working Space, Add	*9.21*	
22 11 16 00-0951	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	90.92	14.51
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0952	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	137.03	17.82
		For Work In Restricted Working Space, Add	*13.40*	

22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0861)*

22 11 16 00-0954	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	14.17	3.52
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0955	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	18.12	4.93
		For Work In Restricted Working Space, Add	*3.72*	
22 11 16 00-0956	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	25.67	6.69
		For Work In Restricted Working Space, Add	*5.01*	
22 11 16 00-0957	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	35.32	8.74
		For Work In Restricted Working Space, Add	*6.55*	
22 11 16 00-0958	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	39.83	9.65
		For Work In Restricted Working Space, Add	*7.25*	
22 11 16 00-0959	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	49.23	10.77
		For Work In Restricted Working Space, Add	*8.09*	
22 11 16 00-0960	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	76.83	12.25
		For Work In Restricted Working Space, Add	*9.21*	
22 11 16 00-0961	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	107.24	14.51
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0962	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	164.78	17.82
		For Work In Restricted Working Space, Add	*13.40*	

22 11 16 00-0963 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0861)*

22 11 16 00-0964	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	11.34	3.24
		For Work In Restricted Working Space, Add	*2.41*	
22 11 16 00-0965	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	15.94	4.50
		For Work In Restricted Working Space, Add	*3.38*	
22 11 16 00-0966	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	21.44	6.06
		For Work In Restricted Working Space, Add	*4.55*	
22 11 16 00-0967	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	29.24	7.96
		For Work In Restricted Working Space, Add	*5.96*	
22 11 16 00-0968	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	33.81	8.81
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-0969	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	38.24	9.80
		For Work In Restricted Working Space, Add	*7.35*	
22 11 16 00-0970	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	60.82	11.13
		For Work In Restricted Working Space, Add	*8.37*	
22 11 16 00-0971	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	66.21	13.17
		For Work In Restricted Working Space, Add	*9.89*	
22 11 16 00-0972	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	84.14	16.20
		For Work In Restricted Working Space, Add	*12.17*	
22 11 16 00-0973	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	137.51	20.64
		For Work In Restricted Working Space, Add	*15.47*	
22 11 16 00-0974	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	241.78	27.05
		For Work In Restricted Working Space, Add	*20.29*	

22 11 16 00-0975 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0861)*

22 11 16 00-0976	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	23.74	3.87
		For Work In Restricted Working Space, Add	*2.90*	
22 11 16 00-0977	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	28.30	5.42
		For Work In Restricted Working Space, Add	*4.06*	
22 11 16 00-0978	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	33.41	7.26
		For Work In Restricted Working Space, Add	*5.45*	
22 11 16 00-0979	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	59.64	9.51
		For Work In Restricted Working Space, Add	*7.14*	
22 11 16 00-0980	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	62.83	10.56
		For Work In Restricted Working Space, Add	*7.90*	
22 11 16 00-0981	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	89.98	11.76
		For Work In Restricted Working Space, Add	*8.84*	
22 11 16 00-0982	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	158.99	13.38
		For Work In Restricted Working Space, Add	*10.04*	
22 11 16 00-0983	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	229.27	15.85
		For Work In Restricted Working Space, Add	*11.87*	
22 11 16 00-0984	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	371.15	19.44
		For Work In Restricted Working Space, Add	*14.60*	
22 11 16 00-0985	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	497.37	24.72
		For Work In Restricted Working Space, Add	*18.55*	
22 11 16 00-0986	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	613.15	32.47
		For Work In Restricted Working Space, Add	*24.34*	

22 11 16 00-0987 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0861)*

22 11 16 00-0988	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	7.89	1.06
		For Work In Restricted Working Space, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0989	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.03	2.26
		For Work In Restricted Working Space, Add	*1.69*	
22 11 16 00-0990	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	22.17	3.66
		For Work In Restricted Working Space, Add	*2.73*	
22 11 16 00-0991	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	24.29	3.94
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0992	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.61	4.36
		For Work In Restricted Working Space, Add	*3.29*	
22 11 16 00-0993	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	35.81	4.93
		For Work In Restricted Working Space, Add	*3.68*	
22 11 16 00-0994	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	56.37	5.56
		For Work In Restricted Working Space, Add	*4.19*	
22 11 16 00-0995	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	59.88	6.62
		For Work In Restricted Working Space, Add	*4.95*	
22 11 16 00-0996	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	93.48	8.10
		For Work In Restricted Working Space, Add	*6.09*	
22 11 16 00-0997	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	207.89	10.28
		For Work In Restricted Working Space, Add	*7.73*	
22 11 16 00-0998	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	267.65	13.52
		For Work In Restricted Working Space, Add	*10.14*	

22 11 16 00-0999 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges *(22 11 16 00-0861)*

22 11 16 00-1000	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	18.99	2.54
		For Work In Restricted Working Space, Add	*1.92*	
22 11 16 00-1001	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	22.50	3.59
		For Work In Restricted Working Space, Add	*2.71*	
22 11 16 00-1002	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	27.14	4.86
		For Work In Restricted Working Space, Add	*3.63*	
22 11 16 00-1003	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	31.38	6.34
		For Work In Restricted Working Space, Add	*4.78*	
22 11 16 00-1004	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	33.43	7.04
		For Work In Restricted Working Space, Add	*5.28*	
22 11 16 00-1005	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	40.61	7.82
		For Work In Restricted Working Space, Add	*5.87*	
22 11 16 00-1006	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	55.16	8.95
		For Work In Restricted Working Space, Add	*6.70*	
22 11 16 00-1007	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	62.14	10.56
		For Work In Restricted Working Space, Add	*7.90*	
22 11 16 00-1008	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	77.84	12.96
		For Work In Restricted Working Space, Add	*9.74*	
22 11 16 00-1009	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	112.60	16.49
		For Work In Restricted Working Space, Add	*12.38*	
22 11 16 00-1010	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	215.00	21.63
		For Work In Restricted Working Space, Add	*16.23*	

22 11 16 00-1011 Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*

Note: Aboveground, domestic water usage.

22 11 16 00-1012 Cross-Linked Polyethylene Tubing *(22 11 16 00-1011)*

22 11 16 00-1013	LF	3/8" Cross-Linked Polyethylene Tubing	2.73	
		For Work In Restricted Working Space, Add	*0.67*	
22 11 16 00-1014	LF	1/2" Cross-Linked Polyethylene Tubing	2.97	
		For Work In Restricted Working Space, Add	*0.72*	
22 11 16 00-1015	LF	3/4" Cross-Linked Polyethylene Tubing	3.61	
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-1016	LF	1" Cross-Linked Polyethylene Tubing	4.51	
		For Work In Restricted Working Space, Add	*0.82*	

22 11 16 00-1017 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1011)*

Note: Aboveground, domestic water usage.

22 11 16 00-1018 Male Adapters *(22 11 16 00-1017)*

22 11 16 00-1019	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	15.46	
		For Work In Restricted Working Space, Add	*3.44*	
22 11 16 00-1020	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	16.68	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1021	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	18.38	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-1022	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	19.15	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1023	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	18.38	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-1024	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	24.78	
		For Work In Restricted Working Space, Add	*4.59*	

22 11 16 00-1025 Female Adapters *(22 11 16 00-1017)*

22 11 16 00-1026	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	17.15	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1027	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	19.66	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-1028	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	20.43	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1029	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	19.66	
		For Work In Restricted Working Space, Add	*3.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1030	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	25.36	
		For Work In Restricted Working Space, Add	*4.59*	

22 11 16 00-1031 Tube Adapters *(22 11 16 00-1017)*

22 11 16 00-1032	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	13.57	
		For Work In Restricted Working Space, Add	*3.44*	
22 11 16 00-1033	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	14.33	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1034	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	17.63	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1035	EA	1" Forged Brass Tube Adapter For PEX Tubing	23.59	
		For Work In Restricted Working Space, Add	*4.59*	

22 11 16 00-1036 Plugs *(22 11 16 00-1017)*

22 11 16 00-1037	EA	3/8" Forged Brass Plug For PEX Tubing	6.98	
		For Work In Restricted Working Space, Add	*1.61*	
22 11 16 00-1038	EA	1/2" Forged Brass Plug For PEX Tubing	7.74	
		For Work In Restricted Working Space, Add	*1.83*	
22 11 16 00-1039	EA	3/4" Forged Brass Plug For PEX Tubing	8.98	
		For Work In Restricted Working Space, Add	*2.06*	
22 11 16 00-1040	EA	1" Forged Brass Plug For PEX Tubing	11.51	
		For Work In Restricted Working Space, Add	*2.29*	

22 11 16 00-1041 Tees *(22 11 16 00-1017)*

22 11 16 00-1042	EA	3/8" Forged Brass Tee For PEX Tubing	19.47	
		For Work In Restricted Working Space, Add	*4.82*	
22 11 16 00-1043	EA	1/2" Forged Brass Tee For PEX Tubing	21.76	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1044	EA	3/4" Forged Brass Tee For PEX Tubing	26.38	
		For Work In Restricted Working Space, Add	*6.19*	
22 11 16 00-1045	EA	1" Forged Brass Tee For PEX Tubing	35.22	
		For Work In Restricted Working Space, Add	*6.88*	
22 11 16 00-1046	EA	1/2" Forged Brass Reducing Tee For PEX Tubing	21.00	
		For Work In Restricted Working Space, Add	*5.28*	
22 11 16 00-1047	EA	3/4" Forged Brass Reducing Tee For PEX Tubing	24.86	
		For Work In Restricted Working Space, Add	*5.74*	
22 11 16 00-1048	EA	1" Forged Brass Reducing Tee For PEX Tubing	31.99	
		For Work In Restricted Working Space, Add	*6.19*	

22 11 16 00-1049 Couplings *(22 11 16 00-1017)*

22 11 16 00-1050	EA	3/8" Forged Brass Coupling For PEX Tubing	12.46	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-1051	EA	1/2" Forged Brass Coupling For PEX Tubing	14.09	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1052	EA	3/4" Forged Brass Coupling For PEX Tubing	16.21	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1053	EA	1" Forged Brass Coupling For PEX Tubing	20.44	
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-1054	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	15.44	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-1055	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	19.67	
		For Work In Restricted Working Space, Add	*4.36*	

22 11 16 00-1056 Fitting Reducers *(22 11 16 00-1017)*

22 11 16 00-1057	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	13.92	
		For Work In Restricted Working Space, Add	*3.44*	
22 11 16 00-1058	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	14.68	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1059	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	18.33	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1060	EA	1" Forged Brass Fitting Reducer For PEX Tubing	27.58	
		For Work In Restricted Working Space, Add	*4.59*	

22 11 16 00-1061 90 Degree Elbows *(22 11 16 00-1017)*

22 11 16 00-1062	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	13.50	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-1063	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	15.02	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1064	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	18.33	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1065	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	17.56	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-1066	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	22.30	
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1067	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	24.88	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1068	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	24.11	
		For Work In Restricted Working Space, Add	*3.90*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19		**Domestic Water Piping Specialties** *(22 11)*		
22 11 19 00-0001		Rubber Hose And Clamps *(22 11 19)*		
22 11 19 00-0002		General Purpose Hose *(22 11 19 00-0001)*		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	3.86	1.52
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	4.38	1.52
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.08	1.52
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.11	1.52
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.50	2.27
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.75	2.27
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.64	3.03
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	18.63	3.03
22 11 19 00-0011		Reinfored EPDM Water Hose Assembly *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	23.74	3.03
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	27.83	3.03
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	39.04	3.73
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	54.27	5.04
22 11 19 00-0016		Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	839.58	167.72
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,169.88	167.72
22 11 19 00-0019		Water Pump Hose *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	232.21	46.32
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	243.01	46.32
22 11 19 00-0022		Barbed Hose x Threaded Male Pipe, Steel Coupling *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	18.92	6.37
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	20.08	6.82
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	21.49	7.27
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	24.05	8.19
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	29.23	10.01
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	34.65	11.98
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	44.64	15.77
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	56.20	19.71
22 11 19 00-0031		Worm-Drive Hose Clamp *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	7.86	2.27
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	8.32	2.27
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	8.81	2.27
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	9.37	2.27
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	10.03	2.27
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	10.85	3.03
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	11.72	3.03
22 11 19 00-0039		Trap Primer And Accessories *(22 11 19)*		
22 11 19 00-0040		Trap Primer *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	207.06	11.47
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	126.84	7.64
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	122.78	7.64
22 11 19 00-0044		Trap Primer Distribution Unit *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	104.14	15.29
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	115.07	15.29
22 11 19 00-0047		Trap Primer Manifold *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Manifold	165.91	20.57
22 11 19 00-0049	EA	Four Outlet Manifold	252.09	23.40
22 11 19 00-0050	EA	Six Outlet Manifold	336.48	24.77
22 11 19 00-0051	EA	Eight Outlet Manifold	423.59	29.05
22 11 19 00-0052		Brass, Anti Siphon Vacuum Breakers *(22 11 19)* Note: Watts 288A		
22 11 19 00-0053	EA	1/2" Brass, Anti Siphon Vacuum Breaker	72.83	19.12
22 11 19 00-0054	EA	3/4" Brass, Anti Siphon Vacuum Breaker	83.78	21.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0055	EA	1" Brass, Anti Siphon Vacuum Breaker	174.58	24.47
22 11 19 00-0056	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	279.31	28.28
22 11 19 00-0057	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	333.73	31.34
22 11 19 00-0058	EA	2" Brass, Anti Siphon Vacuum Breaker	489.68	38.22
22 11 19 00-0059	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	1,291.92	47.78
22 11 19 00-0060		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*		
		Note: Watts 800M4QT		
22 11 19 00-0061	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	219.41	19.12
22 11 19 00-0062	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	191.14	21.40
22 11 19 00-0063	EA	1" Anti Siphon Pressure Type Vacuum Breaker	274.29	24.47
22 11 19 00-0064	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	498.65	28.28
22 11 19 00-0065	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	607.46	31.34
22 11 19 00-0066	EA	2" Anti Siphon Pressure Type Vacuum Breaker	612.29	38.22
22 11 19 00-0067		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0068	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	202.36	9.15
22 11 19 00-0069	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	396.71	11.06
22 11 19 00-0070	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	582.39	11.06
22 11 19 00-0071	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,426.81	11.06
22 11 19 00-0072	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,607.67	11.06
22 11 19 00-0073	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,970.48	11.06
22 11 19 00-0074		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0075		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0074)*		
22 11 19 00-0076	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	122.26	5.10
22 11 19 00-0077	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	235.89	5.88
22 11 19 00-0078	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	351.23	6.38
22 11 19 00-0079	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	866.06	8.22
22 11 19 00-0080	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,054.78	10.19
22 11 19 00-0081	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,200.39	11.06
22 11 19 00-0082		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0083		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0082)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0084	EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	631.67	19.12
		For Cast Bronze Box, Add	*32.92*	
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0085	EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	663.81	22.93
		For Cast Bronze Box, Add	*32.92*	
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0086	EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	679.47	27.60
		For Cast Bronze Box, Add	*32.92*	
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0087		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0082)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0088	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	622.45	32.11
		For Cast Bronze Box, Add	*32.92*	
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0089		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0082)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0090	EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	330.34	23.70
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0091	EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	413.69	23.70
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0092	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	413.69	23.70
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0093	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	413.69	23.70
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0094	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	433.09	47.78
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0095	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	433.09	47.78
		For 1" NPT Outlet, Add	*77.59*	

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22 11 19 00-0096	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	491.11	47.78
		For 1" NPT Outlet, Add	*77.59*	
22 11 19 00-0097		**Washer Boxes And Dryer Outlets** *(22 11 19)*		
22 11 19 00-0098		**Dryer Vent Kit** *(22 11 19 00-0097)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0099	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	57.89	9.94
22 11 19 00-0100		**Washer Boxes And Dryer Vents** *(22 11 19 00-0097)*		
		Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0101	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	193.25	15.29
22 11 19 00-0102		**Ice Maker Outlet Box** *(22 11 19)*		
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0103	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	100.70	15.29
22 11 19 00-0104	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	129.15	15.29
22 11 19 00-0105	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	144.80	15.29
22 11 19 00-0106		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0107		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0106)*		
		Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0108	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	334.04	18.51
22 11 19 00-0109	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	166.66	18.51
22 11 19 00-0110	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	189.64	18.51
22 11 19 00-0111	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	217.45	24.93
22 11 19 00-0112		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0106)*		
		Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0113	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	908.79	26.69
22 11 19 00-0114	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,019.86	32.88
22 11 19 00-0115	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,226.16	38.24
22 11 19 00-0116	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,590.14	40.20
22 11 19 00-0117	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,134.96	52.15
22 11 19 00-0118		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0106)*		
		Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0119	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,318.70	41.11
22 11 19 00-0120	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	3,018.32	47.80
22 11 19 00-0121	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,520.49	50.24
22 11 19 00-0122	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	3,899.51	65.18
22 11 19 00-0123		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0106)*		
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0124	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	658.84	26.69
22 11 19 00-0125	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	775.59	32.87
22 11 19 00-0126	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	953.34	38.24
22 11 19 00-0127	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	1,166.03	40.21
22 11 19 00-0128	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	1,732.75	52.15
22 11 19 00-0129		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0106)*		
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0130	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,906.31	38.22
22 11 19 00-0131	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,065.12	48.17
22 11 19 00-0132	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,365.67	58.11
22 11 19 00-0133	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,696.04	68.04
22 11 19 00-0134	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,413.59	89.45
22 11 19 00-0135	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,238.33	102.06
22 11 19 00-0136		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0106)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0137	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	3,090.79	52.17

22 11 19 00-0138 Backflow Preventer Valves *(22 11 19)*

22 11 19 00-0139 Double Check Valve Backflow Preventer Assemblies *(22 11 19 00-0138)*

22 11 19 00-0140 Threaded Double Check Valve Assemblies *(22 11 19 00-0139)*

22 11 19 00-0141 Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0140)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).

22 11 19 00-0142	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	287.36	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Owner Furnished Material, Deduct	*-236.13*	
22 11 19 00-0143	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	339.20	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-266.57*	
22 11 19 00-0144	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	391.14	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-302.45*	
22 11 19 00-0145	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	547.55	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-444.34*	
22 11 19 00-0146	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	678.02	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-560.29*	
22 11 19 00-0147	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	781.06	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-628.15*	

22 11 19 00-0148 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0140)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).

22 11 19 00-0149	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	354.93	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Owner Furnished Material, Deduct	*-303.70*	
22 11 19 00-0150	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	438.16	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-365.53*	
22 11 19 00-0151	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	512.46	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-423.77*	
22 11 19 00-0152	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	720.42	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-617.21*	
22 11 19 00-0153	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	881.62	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-763.89*	
22 11 19 00-0154	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,062.16	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-909.25*	

22 11 19 00-0155 Flanged Double Check Valve Assemblies *(22 11 19 00-0139)*

22 11 19 00-0156 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).

22 11 19 00-0157	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	3,766.87	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,541.47*	
22 11 19 00-0158	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	4,138.95	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-3,888.90*	

22 11 19 00-0159 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

22 11 19 00-0160	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	4,126.83	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,901.43*	
22 11 19 00-0161	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	4,738.89	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-4,488.84*	

22 11 19 00-0162 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0163	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	3,792.81	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-3,567.43*	
22 11 19 00-0164	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	2,894.61	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,644.55*	
22 11 19 00-0165	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	4,531.20	281.74
		For Work In Restricted Working Space, Add	*112.64*	
		For Owner Furnished Material, Deduct	*-4,155.74*	
22 11 19 00-0166	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	6,925.56	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-6,141.36*	
22 11 19 00-0167	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	15,780.93	651.16
		For Work In Restricted Working Space, Add	*352.94*	
		For Owner Furnished Material, Deduct	*-14,604.45*	
22 11 19 00-0168	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	20,261.67	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-18,861.32*	

22 11 19 00-0169 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0170	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	5,291.39	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-4,915.97*	
22 11 19 00-0171	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	8,836.00	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-8,051.80*	
22 11 19 00-0172	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	23,520.88	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-22,120.53*	

22 11 19 00-0173 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0174	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	4,028.31	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-3,802.93*	
22 11 19 00-0175	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	4,426.38	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-4,176.33*	
22 11 19 00-0176	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	4,806.95	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-4,431.53*	
22 11 19 00-0177	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,098.15	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-7,313.95*	
22 11 19 00-0178	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	16,754.57	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-15,578.27*	
22 11 19 00-0179	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	21,518.18	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-20,117.83*	

22 11 19 00-0180 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0181	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,401.39	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,176.01*	
22 11 19 00-0182	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,643.79	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,393.74*	
22 11 19 00-0183	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,986.88	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-2,611.46*	
22 11 19 00-0184	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,867.59	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-4,083.39*	
22 11 19 00-0185	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	9,249.50	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-8,073.20*	
22 11 19 00-0186	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	10,039.24	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-8,638.89*	

22 11 19 00-0187 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0188	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	3,173.48	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,948.10*	
22 11 19 00-0189	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	3,415.88	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-3,165.83*	
22 11 19 00-0190	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	4,277.08	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-3,901.66*	
22 11 19 00-0191	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	7,027.43	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-6,243.23*	
22 11 19 00-0192	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,450.61	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-11,274.31*	
22 11 19 00-0193	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	14,816.10	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-13,415.75*	

22 11 19 00-0194 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0195	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	2,247.82	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,022.44*	
22 11 19 00-0196	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	2,497.20	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,247.15*	
22 11 19 00-0197	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	2,847.19	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-2,471.77*	
22 11 19 00-0198	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,757.85	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-3,973.65*	
22 11 19 00-0199	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	9,143.75	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-7,967.45*	
22 11 19 00-0200	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	10,334.51	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-8,934.16*	

22 11 19 00-0201 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0202	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,955.17	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,729.79*	
22 11 19 00-0203	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,197.57	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,947.52*	
22 11 19 00-0204	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	4,059.04	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-3,683.62*	
22 11 19 00-0205	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	6,795.20	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-6,011.00*	
22 11 19 00-0206	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,099.10	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-10,922.80*	
22 11 19 00-0207	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	14,463.57	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-13,063.22*	

22 11 19 00-0208 Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).

22 11 19 00-0209	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,611.01	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,385.63*	
22 11 19 00-0210	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,853.41	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,603.36*	
22 11 19 00-0211	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,196.50	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-2,821.08*	
22 11 19 00-0212	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,082.49	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-4,298.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0213	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,464.40	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-8,288.10*	

22 11 19 00-0214 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).

22 11 19 00-0215	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	3,383.10	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-3,157.72*	
22 11 19 00-0216	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,625.50	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-3,375.45*	
22 11 19 00-0217	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,486.70	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-4,111.28*	
22 11 19 00-0218	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,242.38	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-6,458.18*	
22 11 19 00-0219	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,464.40	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-8,288.10*	

22 11 19 00-0220 Grooved Double Check Valve Assemblies *(22 11 19 00-0139)*

22 11 19 00-0221 Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0220)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).

22 11 19 00-0222	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,247.82	90.16
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,022.44*	
22 11 19 00-0223	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,497.20	100.02
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,247.15*	

22 11 19 00-0224 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0220)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).

22 11 19 00-0225	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,955.17	90.16
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-2,729.79*	
22 11 19 00-0226	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	3,197.57	100.02
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-2,947.52*	

22 11 19 00-0227 Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0138)*

22 11 19 00-0228 Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0227)*

22 11 19 00-0229 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

22 11 19 00-0230	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	318.98	17.74
		For Work In Restricted Working Space, Add	*13.30*	
		For Owner Furnished Material, Deduct	*-274.64*	
22 11 19 00-0231	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	336.91	19.57
		For Work In Restricted Working Space, Add	*14.68*	
		For Owner Furnished Material, Deduct	*-287.98*	
22 11 19 00-0232	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	392.36	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Owner Furnished Material, Deduct	*-341.13*	
22 11 19 00-0233	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	526.96	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-454.33*	
22 11 19 00-0234	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	625.24	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-536.55*	
22 11 19 00-0235	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	944.89	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-841.68*	
22 11 19 00-0236	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	999.00	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-881.27*	
22 11 19 00-0237	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,198.68	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-1,045.77*	

22 11 19 00-0238 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0239	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	352.23	17.74
		For Work In Restricted Working Space, Add	*13.30*	
		For Owner Furnished Material, Deduct	*-307.89*	
22 11 19 00-0240	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	371.95	19.57
		For Work In Restricted Working Space, Add	*14.68*	
		For Owner Furnished Material, Deduct	*-323.02*	
22 11 19 00-0241	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	440.38	29.05
		For Work In Restricted Working Space, Add	*15.37*	
		For Owner Furnished Material, Deduct	*-389.15*	
22 11 19 00-0242	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	602.42	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-529.79*	
22 11 19 00-0243	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	719.59	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-630.90*	
22 11 19 00-0244	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,073.58	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-970.37*	
22 11 19 00-0245	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,180.60	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-1,062.87*	
22 11 19 00-0246	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,421.48	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-1,268.57*	

22 11 19 00-0247 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0248	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	526.96	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-454.33*	
22 11 19 00-0249	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	625.24	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-536.55*	
22 11 19 00-0250	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	944.89	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-841.68*	
22 11 19 00-0251	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	999.00	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-881.27*	
22 11 19 00-0252	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,198.68	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-1,045.77*	

22 11 19 00-0253 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0254	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	602.42	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-529.79*	
22 11 19 00-0255	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	719.59	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-630.90*	
22 11 19 00-0256	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,073.58	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-970.37*	
22 11 19 00-0257	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,180.60	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-1,062.87*	
22 11 19 00-0258	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,421.48	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-1,268.57*	

22 11 19 00-0259 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0260	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,087.45	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-1,014.82*	
22 11 19 00-0261	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,287.17	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-1,198.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0262	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	1,980.80	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-1,877.59*	
22 11 19 00-0263	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	2,141.39	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-2,023.66*	
22 11 19 00-0264	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	2,484.09	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-2,331.18*	

22 11 19 00-0265 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0266	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	1,464.68	29.05
		For Work In Restricted Working Space, Add	*21.79*	
		For Owner Furnished Material, Deduct	*-1,392.05*	
22 11 19 00-0267	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	1,741.10	35.47
		For Work In Restricted Working Space, Add	*26.61*	
		For Owner Furnished Material, Deduct	*-1,652.41*	
22 11 19 00-0268	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	2,654.61	41.29
		For Work In Restricted Working Space, Add	*30.96*	
		For Owner Furnished Material, Deduct	*-2,551.40*	
22 11 19 00-0269	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	2,899.77	47.40
		For Work In Restricted Working Space, Add	*35.32*	
		For Owner Furnished Material, Deduct	*-2,782.04*	
22 11 19 00-0270	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	3,444.41	61.16
		For Work In Restricted Working Space, Add	*45.87*	
		For Owner Furnished Material, Deduct	*-3,291.50*	

22 11 19 00-0271 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0227)*

22 11 19 00-0272 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0273	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	3,465.10	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,239.70*	
22 11 19 00-0274	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	3,904.34	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-3,654.29*	

22 11 19 00-0275 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0276	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	4,129.52	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,904.12*	
22 11 19 00-0277	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	4,676.21	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-4,426.16*	

22 11 19 00-0278 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0279	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	3,719.41	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,494.01*	
22 11 19 00-0280	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	4,326.99	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-4,076.94*	

22 11 19 00-0281 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

22 11 19 00-0282	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	4,129.52	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,904.12*	
22 11 19 00-0283	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	4,676.21	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-4,426.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0284		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0285	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	4,583.51	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-4,358.11*	
22 11 19 00-0286	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	5,303.91	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-5,053.86*	
22 11 19 00-0287		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0288	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	5,946.35	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-5,720.97*	
22 11 19 00-0289	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	6,755.43	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-6,505.37*	
22 11 19 00-0290	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	8,507.85	281.74
		For Work In Restricted Working Space, Add	*112.64*	
		For Owner Furnished Material, Deduct	*-8,132.39*	
22 11 19 00-0291	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,914.03	434.11
		For Work In Restricted Working Space, Add	*329.38*	
		For Owner Furnished Material, Deduct	*-11,816.09*	
22 11 19 00-0292	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	21,407.71	651.16
		For Work In Restricted Working Space, Add	*494.08*	
		For Owner Furnished Material, Deduct	*-19,760.79*	
22 11 19 00-0293	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	27,573.08	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-26,172.73*	
22 11 19 00-0294		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0295	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	6,407.50	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-6,182.12*	
22 11 19 00-0296	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	7,240.75	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-6,990.70*	
22 11 19 00-0297	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	9,251.92	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-8,876.50*	
22 11 19 00-0298	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	14,000.89	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-13,216.69*	
22 11 19 00-0299	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	22,666.28	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-21,489.98*	
22 11 19 00-0300	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	30,747.84	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-29,347.49*	
22 11 19 00-0301		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0302	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	6,326.01	169.05
		For Work In Restricted Working Space, Add	*67.61*	
		For Owner Furnished Material, Deduct	*-6,100.63*	
22 11 19 00-0303	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	7,190.62	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-6,940.56*	
22 11 19 00-0304	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	9,048.69	281.74
		For Work In Restricted Working Space, Add	*112.64*	
		For Owner Furnished Material, Deduct	*-8,673.23*	
22 11 19 00-0305	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,388.71	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-12,604.51*	
22 11 19 00-0306	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	22,255.09	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-21,078.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0307	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	29,316.95	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-27,916.60*	

22 11 19 00-0308 Double Check Detector Assemblies *(22 11 19 00-0138)*

22 11 19 00-0309 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0308)*

22 11 19 00-0310 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0309)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0311	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	4,747.89	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-4,497.84*	
22 11 19 00-0312	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	4,977.62	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-4,602.20*	
22 11 19 00-0313	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	6,760.32	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-5,976.12*	
22 11 19 00-0314	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	11,978.49	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-10,802.19*	
22 11 19 00-0315	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	16,163.29	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-14,762.94*	

22 11 19 00-0316 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0309)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0317	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,557.56	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,332.16*	
22 11 19 00-0318	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,799.71	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-3,549.66*	
22 11 19 00-0319	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,147.95	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-3,772.53*	
22 11 19 00-0320	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	5,682.79	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-4,898.59*	
22 11 19 00-0321	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,030.95	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-8,854.65*	
22 11 19 00-0322	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	11,829.94	770.19
		For Work In Restricted Working Space, Add	*420.11*	
		For Owner Furnished Material, Deduct	*-10,429.59*	

22 11 19 00-0323 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0309)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0324	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,767.22	169.05
		For Work In Restricted Working Space, Add	*67.62*	
		For Owner Furnished Material, Deduct	*-3,541.82*	
22 11 19 00-0325	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,009.38	190.18
		For Work In Restricted Working Space, Add	*75.02*	
		For Owner Furnished Material, Deduct	*-3,759.33*	
22 11 19 00-0326	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,357.58	281.74
		For Work In Restricted Working Space, Add	*112.63*	
		For Owner Furnished Material, Deduct	*-3,982.16*	
22 11 19 00-0327	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	5,897.70	434.11
		For Work In Restricted Working Space, Add	*235.26*	
		For Owner Furnished Material, Deduct	*-5,113.50*	
22 11 19 00-0328	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	9,773.11	651.16
		For Work In Restricted Working Space, Add	*352.89*	
		For Owner Furnished Material, Deduct	*-8,596.81*	

22 11 19 00-0329 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0308)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0330		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter** *(22 11 19 00-0329)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0331	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,491.36	169.05
		For Work In Restricted Working Space, Add	*67.62*	
22 11 19 00-0332	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,733.54	190.18
		For Work In Restricted Working Space, Add	*75.02*	
22 11 19 00-0333	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,081.78	281.74
		For Work In Restricted Working Space, Add	*112.63*	
22 11 19 00-0334	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	5,616.62	434.11
		For Work In Restricted Working Space, Add	*235.26*	
22 11 19 00-0335	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,964.82	651.16
		For Work In Restricted Working Space, Add	*352.89*	
22 11 19 00-0336	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	11,763.72	770.19
		For Work In Restricted Working Space, Add	*420.11*	
22 11 19 00-0337		**Double Check Detector Assembly With Butterfly Valves Less Meter** *(22 11 19 00-0329)*		
		Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0338	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,701.01	169.05
		For Work In Restricted Working Space, Add	*67.62*	
22 11 19 00-0339	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,943.16	190.18
		For Work In Restricted Working Space, Add	*75.02*	
22 11 19 00-0340	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,291.40	281.74
		For Work In Restricted Working Space, Add	*112.63*	
22 11 19 00-0341	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	5,831.48	434.11
		For Work In Restricted Working Space, Add	*235.26*	
22 11 19 00-0342	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,179.73	651.16
		For Work In Restricted Working Space, Add	*352.89*	
22 11 19 00-0343		**Backflow Preventer Accessories** *(22 11 19 00-0138)*		
22 11 19 00-0344		**Air Gap** *(22 11 19 00-0343)*		
22 11 19 00-0345	EA	Up To 1" Diameter Air Gap For Backflow Preventer	81.96	9.56
22 11 19 00-0346	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	100.84	11.47
22 11 19 00-0347	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	189.16	15.29
22 11 19 00-0348	EA	4" To 6" Diameter Air Gap For Backflow Preventer	374.05	26.76
22 11 19 00-0349	EA	8" To 10" Diameter Air Gap For Backflow Preventer	396.99	38.22
22 11 19 00-0350		**Brass Test Cocks** *(22 11 19 00-0343)*		
22 11 19 00-0351	EA	1/8" Or 1/4" Brass Test Cock	33.35	3.83
22 11 19 00-0352		**Backflow Valve Enclosures** *(22 11 19 00-0138)*		
22 11 19 00-0353		**Flip-Top, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0352)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0354	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	752.01	68.80
		For Heated Enclosure, Add	*95.60*	
22 11 19 00-0355	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	930.33	68.80
		For Heated Enclosure, Add	*122.35*	
22 11 19 00-0356	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,188.02	63.40
		For Heated Enclosure, Add	*162.36*	
22 11 19 00-0357	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,227.89	84.52
		For Heated Enclosure, Add	*163.05*	
22 11 19 00-0358	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,288.37	84.52
		For Heated Enclosure, Add	*172.13*	
22 11 19 00-0359	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,524.07	84.52
		For Heated Enclosure, Add	*207.48*	
22 11 19 00-0360	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,530.27	84.52
		For Heated Enclosure, Add	*208.41*	
22 11 19 00-0361	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,931.89	84.52
		For Heated Enclosure, Add	*268.65*	
22 11 19 00-0362	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,474.10	126.78
		For Heated Enclosure, Add	*639.42*	
22 11 19 00-0363	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,500.83	126.78
		For Heated Enclosure, Add	*943.43*	
22 11 19 00-0364	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,175.19	126.78
		For Heated Enclosure, Add	*894.58*	
22 11 19 00-0365	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,436.98	147.91
		For Heated Enclosure, Add	*1,078.57*	
22 11 19 00-0366		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0352)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0367	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	418.25	18.35
		For Heated Enclosure, Add	*77.53*	
22 11 19 00-0368	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	582.62	18.35
		For Heated Enclosure, Add	*110.41*	
22 11 19 00-0369	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	732.18	16.90
		For Heated Enclosure, Add	*140.80*	
22 11 19 00-0370	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,107.45	16.90
		For Heated Enclosure, Add	*215.85*	
22 11 19 00-0371	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,868.85	31.69
		For Heated Enclosure, Add	*563.20*	
22 11 19 00-0372	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,918.65	31.69
		For Heated Enclosure, Add	*773.16*	
22 11 19 00-0373	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,608.33	31.69
		For Heated Enclosure, Add	*511.10*	
22 11 19 00-0374	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,952.58	31.69
		For Heated Enclosure, Add	*579.95*	
22 11 19 00-0375	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,622.65	31.69
		For Heated Enclosure, Add	*913.96*	

22 11 19 00-0376 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0352)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0377	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,830.38	137.62
		For Heated Enclosure, Add	*840.15*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0378	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,430.49	137.62
		For Heated Enclosure, Add	*930.17*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0379	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	4,546.98	126.78
		For Heated Enclosure, Add	*650.35*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0380	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	4,990.47	126.78
		For Heated Enclosure, Add	*716.87*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0381	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,800.57	169.05
		For Heated Enclosure, Add	*827.82*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0382	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,510.78	169.05
		For Heated Enclosure, Add	*934.36*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0383	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,510.78	169.05
		For Heated Enclosure, Add	*934.36*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0384	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	7,199.28	169.05
		For Heated Enclosure, Add	*1,037.63*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0385	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	5,399.40	147.91
		For Heated Enclosure, Add	*772.93*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0386	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	6,323.15	169.05
		For Heated Enclosure, Add	*906.21*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0387	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	7,397.76	169.05
		For Heated Enclosure, Add	*1,067.40*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0388	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	8,122.49	179.61
		For Heated Enclosure, Add	*1,173.47*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0389	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	8,326.38	194.96
		For Heated Enclosure, Add	*1,200.22*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0390	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	9,232.48	206.42
		For Heated Enclosure, Add	*1,333.27*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0391	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	9,560.50	190.18
		For Heated Enclosure, Add	*1,386.53*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0392	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	6,932.56	169.05
		For Heated Enclosure, Add	*997.62*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0393	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,393.11	169.05
		For Heated Enclosure, Add	*1,066.71*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0394	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	8,369.05	179.61
		For Heated Enclosure, Add	*1,210.45*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0395	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	10,151.31	190.18
		For Heated Enclosure, Add	*1,475.15*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0396	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	8,850.30	84.52
		For Heated Enclosure, Add	*1,280.00*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0397	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	10,643.42	84.52
		For Heated Enclosure, Add	*1,546.33*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0398	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	10,288.32	126.78
		For Heated Enclosure, Add	*1,493.06*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0399	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	11,940.89	126.78
		For Heated Enclosure, Add	*1,735.67*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0400	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	11,016.14	126.78
		For Heated Enclosure, Add	*1,599.59*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0401	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	12,879.60	147.91
		For Heated Enclosure, Add	*1,873.83*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0402	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	12,914.81	126.78
		For Heated Enclosure, Add	*1,873.83*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	
22 11 19 00-0403	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	15,330.31	126.78
		For Heated Enclosure, Add	*2,230.87*	
		For One 24" Fluorescent Light Fixture, Add	*474.25*	
		For Two 24" Fluorescent Light Fixture, Add	*848.66*	

22 11 19 00-0404 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0405 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0404)*

22 11 19 00-0406	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	41.47	7.64
22 11 19 00-0407	EA	3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	47.88	8.41
22 11 19 00-0408	EA	3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	17.36	5.73

22 11 19 00-0409 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0404)*

22 11 19 00-0410	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	185.60	23.40

22 11 19 00-0411 Antisiphon Freezeless Wall Faucet *(22 11 19 00-0404)*

22 11 19 00-0412	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	117.11	19.12
22 11 19 00-0413	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	125.88	21.18
22 11 19 00-0414	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	132.74	22.40
22 11 19 00-0415	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	139.57	24.00
22 11 19 00-0416	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	146.50	25.46

22 11 19 00-0417 Escutcheons *(22 11 19)*

22 11 19 00-0418 Chrome Plated Steel Escutcheons *(22 11 19 00-0417)*

22 11 19 00-0419 Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0418)*

22 11 19 00-0420	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.64	1.90
22 11 19 00-0421	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.02	2.12
22 11 19 00-0422	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.56	2.27
22 11 19 00-0423	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.94	2.50
22 11 19 00-0424	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.31	2.65
22 11 19 00-0425	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.33	3.03
22 11 19 00-0426	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.40	3.27
22 11 19 00-0427	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	14.24	3.42
22 11 19 00-0428	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.60	3.64
22 11 19 00-0429	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.41	3.79
22 11 19 00-0430	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	21.13	4.17
22 11 19 00-0431	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	25.21	4.55

22 11 19 00-0432 Cast Brass Escutcheons *(22 11 19 00-0417)*

Note: With Brass Setscrew.

22 11 19 00-0433	EA	3/8" IPS Cast Brass Escutcheon	22.83	1.91
22 11 19 00-0434	EA	1/2" IPS Cast Brass Escutcheon	23.11	1.91
22 11 19 00-0435	EA	5/8" IPS Cast Brass Escutcheon	23.52	1.91
22 11 19 00-0436	EA	3/4" IPS Cast Brass Escutcheon	25.01	1.91
22 11 19 00-0437	EA	7/8" IPS Cast Brass Escutcheon	25.25	2.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0438	EA	1" IPS Cast Brass Escutcheon	26.70	2.30
22 11 19 00-0439	EA	1-1/4" IPS Cast Brass Escutcheon	27.50	2.52
22 11 19 00-0440	EA	1-1/2" IPS Cast Brass Escutcheon	28.63	2.68
22 11 19 00-0441	EA	2" IPS Cast Brass Escutcheon	42.38	3.06

22 11 19 00-0442 Keyed, Recessed Valve Boxes *(22 11 19)*

22 11 19 00-0443	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	214.92	22.74
22 11 19 00-0444	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	239.13	22.74
22 11 19 00-0445	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	275.43	22.74
22 11 19 00-0446	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	266.39	30.33
22 11 19 00-0447	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	302.70	30.33
22 11 19 00-0448	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	313.59	30.33
22 11 19 00-0449	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	253.65	22.74
22 11 19 00-0450	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	306.90	22.74
22 11 19 00-0451	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	354.10	22.74
22 11 19 00-0452	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	334.17	30.33
22 11 19 00-0453	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	381.37	30.33
22 11 19 00-0454	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	399.52	30.33

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic-Water Packaged Booster Pumps *(22 11 23)*

Note: Includes pump, motor, starter and controls.

22 11 23 13-0001 Simplex Domestic Booster System *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Booster Pump With Tank	6,645.81	225.40
22 11 23 13-0003	EA	1.5 HP Simplex Booster Pump With Tank	6,932.38	302.87
22 11 23 13-0004	EA	2 HP Simplex Booster Pump With Tank	7,265.36	380.36
22 11 23 13-0005	EA	3 HP Simplex Booster Pump With Tank	7,575.14	457.83
22 11 23 13-0006	EA	5 HP Simplex Booster Pump With Tank	8,395.65	535.32
22 11 23 13-0007	EA	7.5 HP Simplex Booster Pump With Tank	9,332.22	612.79
22 11 23 13-0008	EA	10 HP Simplex Booster Pump With Tank	9,990.22	690.28

22 11 23 13-0009 Duplex Domestic Booster System *(22 11 23 13)*

22 11 23 13-0010	EA	100 GPM Duplex Domestic Booster Pump With Hydrocumulator	18,001.48	913.73
22 11 23 13-0011	EA	200 GPM Duplex Domestic Booster Pump With Hydrocumulator	21,636.94	970.84
22 11 23 13-0012	EA	300 GPM Duplex Domestic Booster Pump With Hydrocumulator	25,287.21	1,027.96

22 11 23 13-0013 Triplex Domestic Booster System *(22 11 23 13)*

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	23,616.02	970.84
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	29,340.26	1,027.96
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	36,420.83	1,142.17
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	46,074.50	1,256.38
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	55,728.16	1,370.61
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	64,903.02	1,541.92
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	74,077.88	1,713.25
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	83,252.73	1,884.58
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	92,570.36	2,113.01

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	640.66	126.78
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	656.87	126.78
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	686.67	129.25
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	754.85	134.53
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,328.90	139.54
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,415.36	139.54
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	2,102.30	153.64
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	2,194.32	168.79
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,652.25	185.70
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,714.25	204.38
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	2,968.52	224.47
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	4,236.35	247.02
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,874.05	259.00

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	666.03	126.78
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	1,093.87	126.78
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,098.97	129.25
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,118.12	132.06
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	1,123.03	134.53
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,144.81	139.54
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,395.35	153.64
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,797.39	185.70
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,895.64	204.38
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	2,209.24	224.47
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	2,968.47	247.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	3,463.67	259.00
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,118.72	272.04
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,354.14	299.03
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,684.98	317.14
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,653.61	352.38
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,947.61	422.92
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	6,300.41	493.55

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,767.84	281.74
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,189.45	352.18
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,097.01	387.40
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	4,532.08	422.61
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	9,083.88	457.83
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	7,806.29	493.05
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	13,468.02	528.27
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	12,394.90	563.48
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	13,468.07	598.70
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	16,063.96	633.92

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,504.20	281.74
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	2,932.02	352.18
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	3,677.71	387.40
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	4,558.03	422.61
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	3,857.49	422.61
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	6,007.52	457.83
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	6,502.28	493.05
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	6,184.04	493.05
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	5,633.53	493.05
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	7,739.62	528.27
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	8,398.08	563.48
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	9,761.98	598.70
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	18,421.18	633.92

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	443.00	158.49
		For Saddle Assembly, Add	*493.13*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	518.86	184.90
		For Saddle Assembly, Add	*493.13*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	615.05	211.31
		For Saddle Assembly, Add	*562.24*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	747.83	237.72
		For Saddle Assembly, Add	*831.88*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	895.51	264.14
		For Two Tie Down Bands, Add	*284.47*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,162.04	362.50
		For Two Tie Down Bands, Add	*303.44*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,726.71	422.92
		For Three Tie Down Bands, Add	*516.14*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,480.43	483.33
		For Three Tie Down Bands, Add	*520.20*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,090.79	543.76
		For Four Tie Down Bands, Add	*704.44*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,617.75	604.17
		For Four Tie Down Bands, Add	*980.86*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,154.29	664.58
		For Four Tie Down Bands, Add	*1,284.37*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,966.53	725.01
		For Four Tie Down Bands, Add	*1,387.35*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	8,563.89	966.67
		For Four Tie Down Bands, Add	*1,566.21*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	11,054.22	966.67
		For Five Tie Down Bands, Add	*2,452.33*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	486.33	211.31
	22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	583.89	224.51
	22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	640.79	237.72
	22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	774.92	264.14
	22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	884.64	316.96
	22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,044.51	369.79
	22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,462.84	483.33
	22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,892.24	604.17
	22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,535.72	725.01
	22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,306.57	845.84
	22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,840.28	966.67
	22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	6,533.87	1,087.50
	22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	7,405.00	1,208.34
	22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,159.60	1,329.18
	22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	9,393.86	1,450.00
	22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	10,605.08	1,570.84
	22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,103.53	1,691.67
	22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	15,756.31	1,933.35

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0368 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	759.11
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,040.66
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	684.93
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	450.36
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	531.37
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	669.06
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	719.17
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	433.34
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	684.93
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	699.90
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	664.67
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	759.11
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,192.87
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	736.80

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	999.98
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,394.61
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	862.37
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	545.78
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	720.66
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	765.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	513.26	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	869.40	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	741.47	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	723.88	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	999.98	

22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	499.66	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	697.31	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	431.54	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	273.23	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	360.35	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	382.80	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	274.24	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	434.36	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	370.73	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	362.27	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	494.72	

22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	335.76	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	332.90	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	325.46	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	189.27	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	221.19	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	310.30	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	306.81	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	189.52	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	325.46	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	350.91	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	320.03	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	335.68	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	514.73	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	322.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0056		**Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	394.81	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	432.64	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	344.61	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	202.42	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	312.14	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	323.60	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	200.53	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	350.87	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	356.64	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	340.93	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	394.81	
22 13 13 00-0068		**Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	197.12	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	215.98	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	172.52	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	101.24	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	156.05	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	161.63	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	100.27	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	175.38	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	178.35	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	170.77	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	192.45	
22 13 16		**Sanitary Waste And Vent Piping** *(22 13)*		
22 13 16 00-0001		**Cast Iron Soil Pipe Assemblies** *(22 13 16)*		
22 13 16 00-0002		**Underground Bell And Spigot Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	24.68	4.43
		For Work In Restricted Working Space, Add	*3.26*	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	35.43	6.69
		For Work In Restricted Working Space, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	46.00	8.53
		For Work In Restricted Working Space, Add	*5.68*	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	55.37	10.92
		For Work In Restricted Working Space, Add	*6.14*	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	65.25	11.90
		For Work In Restricted Working Space, Add	*6.83*	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	104.06	16.88
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	154.51	16.88
		For Work In Restricted Working Space, Add	*10.82*	
22 13 16 00-0010		**Aboveground No Hub Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.46	4.22
		For Work In Restricted Working Space, Add	*3.71*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	21.70	4.50
		For Work In Restricted Working Space, Add	*3.98*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.91	6.55
		For Work In Restricted Working Space, Add	*4.89*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	33.12	8.53
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.17	10.71
		For Work In Restricted Working Space, Add	*7.27*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.86	11.70
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	77.45	16.74
		For Work In Restricted Working Space, Add	*10.90*	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	108.62	19.02
		For Work In Restricted Working Space, Add	*12.67*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	17.78	4.43
		For Extra Heavy Pipe, Add	*4.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.01*	
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	25.94	6.69
		For Extra Heavy Pipe, Add	*6.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	33.45	8.53
		For Extra Heavy Pipe, Add	*8.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.64*	
		For Work In Restricted Working Space, Add	*3.84*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	45.46	10.92
		For Extra Heavy Pipe, Add	*12.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.82*	
		For Work In Restricted Working Space, Add	*4.90*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	53.29	11.90
		For Extra Heavy Pipe, Add	*14.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.89*	
		For Work In Restricted Working Space, Add	*5.35*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	80.49	16.88
		For Extra Heavy Pipe, Add	*23.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.27*	
		For Work In Restricted Working Space, Add	*7.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	120.33	19.02
		For Extra Heavy Pipe, Add	*38.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.43*	
		For Work In Restricted Working Space, Add	*8.55*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	171.40	25.36
		For Extra Heavy Pipe, Add	*56.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.40*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	240.57	30.41
		For Extra Heavy Pipe, Add	*81.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.68*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	80.25	20.22
		For Extra Heavy Fittings, Add	*17.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	139.43	25.43
		For Extra Heavy Fittings, Add	*35.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	185.77	33.81
		For Extra Heavy Fittings, Add	*47.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	296.74	46.21
		For Extra Heavy Fittings, Add	*79.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.46*	
		For Work In Restricted Working Space, Add	*20.78*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	596.38	59.41
		For Extra Heavy Fittings, Add	*177.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.45*	
		For Work In Restricted Working Space, Add	*26.72*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	818.19	73.09
		For Extra Heavy Fittings, Add	*248.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.88*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,257.73	102.00
		For Extra Heavy Fittings, Add	*386.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.89*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	2,349.69	142.04
		For Extra Heavy Fittings, Add	*747.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.89*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	67.06	20.22
		For Extra Heavy Fittings, Add	*12.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	117.30	25.43
		For Extra Heavy Fittings, Add	*27.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	160.88	33.81
		For Extra Heavy Fittings, Add	*38.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	249.44	39.28
		For Extra Heavy Fittings, Add	*66.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.66*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	301.48	46.21
		For Extra Heavy Fittings, Add	*81.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.46*	
		For Work In Restricted Working Space, Add	*20.78*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	500.99	59.41
		For Extra Heavy Fittings, Add	*144.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.45*	
		For Work In Restricted Working Space, Add	*26.72*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	736.80	73.09
		For Extra Heavy Fittings, Add	*219.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.88*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,227.37	102.00
		For Extra Heavy Fittings, Add	*376.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.89*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	59.59	20.14
		For Extra Heavy Fittings, Add	*10.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.07*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	92.70	22.68
		For Extra Heavy Fittings, Add	*20.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.70*	
		For Work In Restricted Working Space, Add	*10.21*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	133.37	30.22
		For Extra Heavy Fittings, Add	*30.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.26*	
		For Work In Restricted Working Space, Add	*13.59*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	170.86	35.08
		For Extra Heavy Fittings, Add	*41.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	205.54	42.01
		For Extra Heavy Fittings, Add	*49.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.15*	
		For Work In Restricted Working Space, Add	*18.91*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	435.62	54.70
		For Extra Heavy Fittings, Add	*123.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.60*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	646.65	66.39
		For Extra Heavy Fittings, Add	*191.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.98*	
		For Work In Restricted Working Space, Add	*29.86*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	855.24	78.36
		For Extra Heavy Fittings, Add	*258.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.25*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,208.09	123.59
		For Extra Heavy Fittings, Add	*707.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.26*	
		For Work In Restricted Working Space, Add	*55.58*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	53.73	20.22
		For Extra Heavy Fittings, Add	*8.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	86.45	25.43
		For Extra Heavy Fittings, Add	*16.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	124.07	33.81
		For Extra Heavy Fittings, Add	*25.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	158.34	43.90
		For Extra Heavy Fittings, Add	*32.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.29*	
		For Work In Restricted Working Space, Add	*19.74*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	183.63	48.95
		For Extra Heavy Fittings, Add	*38.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.67*	
		For Work In Restricted Working Space, Add	*22.03*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	374.00	65.53
		For Extra Heavy Fittings, Add	*96.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	526.28	80.85
		For Extra Heavy Fittings, Add	*141.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.06*	
		For Work In Restricted Working Space, Add	*36.38*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	858.00	104.86
		For Extra Heavy Fittings, Add	*245.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.86*	
		For Work In Restricted Working Space, Add	*47.15*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	1,667.01	123.59
		For Extra Heavy Fittings, Add	*518.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.26*	
		For Work In Restricted Working Space, Add	*55.58*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	90.28	45.15
		For Extra Heavy Fittings, Add	*7.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.32*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	116.38	49.45
		For Extra Heavy Fittings, Add	*14.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	153.35	64.80
		For Extra Heavy Fittings, Add	*19.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	206.98	75.55
		For Extra Heavy Fittings, Add	*32.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*33.99*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	261.20	89.55
		For Extra Heavy Fittings, Add	*44.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.71*	
		For Work In Restricted Working Space, Add	*40.28*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	490.65	119.67
		For Extra Heavy Fittings, Add	*108.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.97*	
		For Work In Restricted Working Space, Add	*53.83*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	697.51	135.77
		For Extra Heavy Fittings, Add	*172.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.18*	
		For Work In Restricted Working Space, Add	*61.06*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,042.47	165.26
		For Extra Heavy Fittings, Add	*278.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.39*	
		For Work In Restricted Working Space, Add	*74.33*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	1,638.77	185.43
		For Extra Heavy Fittings, Add	*476.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.90*	
		For Work In Restricted Working Space, Add	*83.39*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	151.88	47.19
		For Extra Heavy Fittings, Add	*28.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.23*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	184.53	58.32
		For Extra Heavy Fittings, Add	*33.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.37*	
		For Work In Restricted Working Space, Add	*26.24*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	207.86	59.80
		For Extra Heavy Fittings, Add	*41.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	317.17	80.24
		For Extra Heavy Fittings, Add	*68.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.08*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	325.54	81.71
		For Extra Heavy Fittings, Add	*71.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.76*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	340.28	87.17
		For Extra Heavy Fittings, Add	*73.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	509.50	96.24
		For Extra Heavy Fittings, Add	*127.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.28*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	533.36	98.09
		For Extra Heavy Fittings, Add	*135.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.35*	
		For Work In Restricted Working Space, Add	*44.11*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	545.51	102.72
		For Extra Heavy Fittings, Add	*137.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.21*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	646.75	114.26
		For Extra Heavy Fittings, Add	*166.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.57*	
		For Work In Restricted Working Space, Add	*51.40*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	808.01	107.07
		For Extra Heavy Fittings, Add	*226.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.03*	
		For Work In Restricted Working Space, Add	*48.16*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	840.41	111.77
		For Extra Heavy Fittings, Add	*235.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.38*	
		For Work In Restricted Working Space, Add	*50.28*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	919.01	123.59
		For Extra Heavy Fittings, Add	*256.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.26*	
		For Work In Restricted Working Space, Add	*55.58*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,225.17	131.08
		For Extra Heavy Fittings, Add	*360.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.83*	
		For Work In Restricted Working Space, Add	*58.95*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,262.21	131.08
		For Extra Heavy Fittings, Add	*373.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.83*	
		For Work In Restricted Working Space, Add	*58.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,311.94	142.04
		For Extra Heavy Fittings, Add	*384.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.89*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,546.11	149.09
		For Extra Heavy Fittings, Add	*462.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.17*	
		For Work In Restricted Working Space, Add	*67.04*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,888.02	153.51
		For Extra Heavy Fittings, Add	*580.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.51*	
		For Work In Restricted Working Space, Add	*69.05*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	3,155.76	144.75
		For Extra Heavy Fittings, Add	*1,028.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.85*	
		For Work In Restricted Working Space, Add	*65.10*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	3,291.80	156.65
		For Extra Heavy Fittings, Add	*1,069.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.75*	
		For Work In Restricted Working Space, Add	*70.47*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	3,358.17	163.41
		For Extra Heavy Fittings, Add	*1,089.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.25*	
		For Work In Restricted Working Space, Add	*73.50*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	3,435.84	168.97
		For Extra Heavy Fittings, Add	*1,113.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.66*	
		For Work In Restricted Working Space, Add	*75.98*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	3,520.93	178.80
		For Extra Heavy Fittings, Add	*1,138.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.40*	
		For Work In Restricted Working Space, Add	*80.42*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	99.94	45.15
		For Extra Heavy Fittings, Add	*11.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.32*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	122.34	49.45
		For Extra Heavy Fittings, Add	*16.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	163.71	64.80
		For Extra Heavy Fittings, Add	*23.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	239.43	79.26
		For Extra Heavy Fittings, Add	*42.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.64*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	300.11	98.31
		For Extra Heavy Fittings, Add	*53.46*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.37*	
		For Work In Restricted Working Space, Add	*44.21*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	565.02	128.87
		For Extra Heavy Fittings, Add	*130.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.66*	
		For Work In Restricted Working Space, Add	*57.95*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	820.59	168.97
		For Extra Heavy Fittings, Add	*198.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.66*	
		For Work In Restricted Working Space, Add	*75.98*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,103.07	217.19
		For Extra Heavy Fittings, Add	*272.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.28*	
		For Work In Restricted Working Space, Add	*97.69*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	106.92	47.19
		For Extra Heavy Fittings, Add	*12.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.23*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	153.88	58.32
		For Extra Heavy Fittings, Add	*23.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.37*	
		For Work In Restricted Working Space, Add	*26.24*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	167.40	59.80
		For Extra Heavy Fittings, Add	*27.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	259.14	80.24
		For Extra Heavy Fittings, Add	*48.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	270.46	81.71
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.76*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	286.53	87.17
		For Extra Heavy Fittings, Add	*54.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	401.73	96.24
		For Extra Heavy Fittings, Add	*90.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.28*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	411.48	102.72
		For Extra Heavy Fittings, Add	*90.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.21*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	524.78	114.26
		For Extra Heavy Fittings, Add	*123.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.57*	
		For Work In Restricted Working Space, Add	*51.40*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	170.04	54.02
		For Extra Heavy Fittings, Add	*31.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.29*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	251.64	68.11
		For Extra Heavy Fittings, Add	*52.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.10*	
		For Work In Restricted Working Space, Add	*30.62*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	343.92	86.14
		For Extra Heavy Fittings, Add	*75.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.46*	
		For Work In Restricted Working Space, Add	*38.76*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	682.63	137.58
		For Extra Heavy Fittings, Add	*166.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.31*	
		For Work In Restricted Working Space, Add	*61.88*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,401.97	161.77
		For Extra Heavy Fittings, Add	*405.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.13*	
		For Work In Restricted Working Space, Add	*72.75*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	1,868.74	181.01
		For Extra Heavy Fittings, Add	*559.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.57*	
		For Work In Restricted Working Space, Add	*81.41*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,266.01	217.19
		For Extra Heavy Fittings, Add	*329.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.28*	
		For Work In Restricted Working Space, Add	*97.69*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	3,694.62	227.95
		For Extra Heavy Fittings, Add	*1,173.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.10*	
		For Work In Restricted Working Space, Add	*102.58*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	148.37	63.89
		For Extra Heavy Fittings, Add	*18.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.74*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	172.74	73.39
		For Extra Heavy Fittings, Add	*21.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.50*	
		For Work In Restricted Working Space, Add	*33.02*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	188.09	76.99
		For Extra Heavy Fittings, Add	*25.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.77*	
		For Work In Restricted Working Space, Add	*34.64*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	251.46	95.43
		For Extra Heavy Fittings, Add	*37.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.92*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	267.23	99.07
		For Extra Heavy Fittings, Add	*41.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.56*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	309.38	108.04
		For Extra Heavy Fittings, Add	*51.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	514.15	124.66
		For Extra Heavy Fittings, Add	*114.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.34*	
		For Work In Restricted Working Space, Add	*56.06*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	556.17	147.52
		For Extra Heavy Fittings, Add	*117.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	547.52	133.35
		For Extra Heavy Fittings, Add	*121.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.00*	
		For Work In Restricted Working Space, Add	*59.99*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	637.69	156.65
		For Extra Heavy Fittings, Add	*140.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.75*	
		For Work In Restricted Working Space, Add	*70.47*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	793.08	170.74
		For Extra Heavy Fittings, Add	*187.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.80*	
		For Work In Restricted Working Space, Add	*76.80*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	809.98	174.67
		For Extra Heavy Fittings, Add	*191.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.09*	
		For Work In Restricted Working Space, Add	*78.57*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,046.21	190.05
		For Extra Heavy Fittings, Add	*266.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.25*	
		For Work In Restricted Working Space, Add	*85.48*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	138.11	54.02
		For Extra Heavy Fittings, Add	*20.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.29*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	186.19	72.26
		For Extra Heavy Fittings, Add	*27.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.51*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	244.97	90.37
		For Extra Heavy Fittings, Add	*38.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.77*	
		For Work In Restricted Working Space, Add	*40.64*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	570.08	153.76
		For Extra Heavy Fittings, Add	*118.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.53*	
		For Work In Restricted Working Space, Add	*69.16*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	187.47	64.80
		For Extra Heavy Fittings, Add	*31.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	223.87	73.39
		For Extra Heavy Fittings, Add	*39.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.50*	
		For Work In Restricted Working Space, Add	*33.02*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	251.64	81.71
		For Extra Heavy Fittings, Add	*45.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.12*	
		For Work In Restricted Working Space, Add	*36.74*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	534.45	114.69
		For Extra Heavy Fittings, Add	*126.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	112.33	45.22
		For Extra Heavy Fittings, Add	*15.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.34*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	128.53	49.45
		For Extra Heavy Fittings, Add	*19.04*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	214.64	60.57
		For Extra Heavy Fittings, Add	*43.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.54*	
		For Work In Restricted Working Space, Add	*27.26*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	325.18	69.88
		For Extra Heavy Fittings, Add	*77.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.24*	
		For Work In Restricted Working Space, Add	*31.45*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	390.10	83.81
		For Extra Heavy Fittings, Add	*92.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.28*	
		For Work In Restricted Working Space, Add	*37.70*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	860.19	109.35
		For Extra Heavy Fittings, Add	*243.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.20*	
		For Work In Restricted Working Space, Add	*49.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,302.69	133.35
		For Extra Heavy Fittings, Add	*385.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.00*	
		For Work In Restricted Working Space, Add	*59.99*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	1,957.46	156.65
		For Extra Heavy Fittings, Add	*602.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.75*	
		For Work In Restricted Working Space, Add	*70.47*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	156.10	47.19
		For Extra Heavy Fittings, Add	*29.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.23*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	185.08	55.29
		For Extra Heavy Fittings, Add	*35.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.14*	
		For Work In Restricted Working Space, Add	*24.86*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	194.93	55.29
		For Extra Heavy Fittings, Add	*39.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.14*	
		For Work In Restricted Working Space, Add	*24.86*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	304.04	80.24
		For Extra Heavy Fittings, Add	*64.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.08*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	317.10	81.71
		For Extra Heavy Fittings, Add	*68.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.76*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	344.50	87.17
		For Extra Heavy Fittings, Add	*74.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	601.30	102.72
		For Extra Heavy Fittings, Add	*156.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.21*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	759.75	114.26
		For Extra Heavy Fittings, Add	*205.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.57*	
		For Work In Restricted Working Space, Add	*51.40*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	93.75	45.15
		For Extra Heavy Fittings, Add	*9.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.32*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	119.43	49.45
		For Extra Heavy Fittings, Add	*15.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	158.50	64.80
		For Extra Heavy Fittings, Add	*21.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	210.36	79.26
		For Extra Heavy Fittings, Add	*32.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.64*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	265.32	98.31
		For Extra Heavy Fittings, Add	*41.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.37*	
		For Work In Restricted Working Space, Add	*44.21*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	467.69	128.87
		For Extra Heavy Fittings, Add	*96.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.66*	
		For Work In Restricted Working Space, Add	*57.95*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	96.80	45.15
		For Extra Heavy Fittings, Add	*10.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.32*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	107.01	49.45
		For Extra Heavy Fittings, Add	*11.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	137.64	64.80
		For Extra Heavy Fittings, Add	*14.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	98.72	45.15
		For Extra Heavy Fittings, Add	*10.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.32*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	110.66	49.45
		For Extra Heavy Fittings, Add	*12.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	146.83	64.80
		For Extra Heavy Fittings, Add	*17.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	54.53	25.43
		For Extra Heavy Fittings, Add	*5.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	67.53	33.53
		For Extra Heavy Fittings, Add	*6.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.10*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	73.03	33.81
		For Extra Heavy Fittings, Add	*7.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	96.14	42.43
		For Extra Heavy Fittings, Add	*11.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.18*	
		For Work In Restricted Working Space, Add	*19.10*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	101.01	42.99
		For Extra Heavy Fittings, Add	*12.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.22*	
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	104.42	43.90
		For Extra Heavy Fittings, Add	*13.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.29*	
		For Work In Restricted Working Space, Add	*19.74*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	139.13	45.24
		For Extra Heavy Fittings, Add	*24.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.35*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	155.25	55.49
		For Extra Heavy Fittings, Add	*25.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.16*	
		For Work In Restricted Working Space, Add	*24.96*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	159.34	56.91
		For Extra Heavy Fittings, Add	*25.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.61*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	164.39	59.41
		For Extra Heavy Fittings, Add	*26.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.45*	
		For Work In Restricted Working Space, Add	*26.72*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	207.82	66.67
		For Extra Heavy Fittings, Add	*37.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.00*	
		For Work In Restricted Working Space, Add	*29.99*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	219.19	70.02
		For Extra Heavy Fittings, Add	*39.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.51*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	234.07	73.09
		For Extra Heavy Fittings, Add	*43.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.88*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	294.77	79.22
		For Extra Heavy Fittings, Add	*61.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.62*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	327.28	92.68
		For Extra Heavy Fittings, Add	*65.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.95*	
		For Work In Restricted Working Space, Add	*41.70*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	352.17	105.56
		For Extra Heavy Fittings, Add	*67.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.92*	
		For Work In Restricted Working Space, Add	*47.49*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	383.81	121.60
		For Extra Heavy Fittings, Add	*70.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.12*	
		For Work In Restricted Working Space, Add	*54.69*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	514.20	121.60
		For Extra Heavy Fittings, Add	*116.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.12*	
		For Work In Restricted Working Space, Add	*54.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	546.55	131.08
		For Extra Heavy Fittings, Add	*122.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.83*	
		For Work In Restricted Working Space, Add	*58.95*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	568.53	138.19
		For Extra Heavy Fittings, Add	*126.46*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.17*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	598.41	147.52
		For Extra Heavy Fittings, Add	*132.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.37*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	58.42	20.22
		For Extra Heavy Fittings, Add	*9.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	79.00	25.43
		For Extra Heavy Fittings, Add	*14.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	108.01	33.81
		For Extra Heavy Fittings, Add	*20.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	181.80	39.28
		For Extra Heavy Fittings, Add	*43.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.66*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	246.31	46.21
		For Extra Heavy Fittings, Add	*61.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.46*	
		For Work In Restricted Working Space, Add	*20.78*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	561.65	59.41
		For Extra Heavy Fittings, Add	*165.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.45*	
		For Work In Restricted Working Space, Add	*26.72*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	620.17	73.09
		For Extra Heavy Fittings, Add	*178.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.88*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	69.11	20.22
		For Extra Heavy Fittings, Add	*13.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	100.01	25.43
		For Extra Heavy Fittings, Add	*21.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	147.07	33.81
		For Extra Heavy Fittings, Add	*33.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	250.47	43.90
		For Extra Heavy Fittings, Add	*64.64*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.29*	
		For Work In Restricted Working Space, Add	*19.74*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	264.99	48.95
		For Extra Heavy Fittings, Add	*67.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.67*	
		For Work In Restricted Working Space, Add	*22.03*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	158.17	48.81
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	211.51	64.16
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.14*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	297.39	76.25
		For Above Ground Cast Iron Pipe Installation, Add	*5.76*	
		For Work In Restricted Working Space, Add	*34.58*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	620.94	86.40
		For Above Ground Cast Iron Pipe Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,100.26	101.58
		For Above Ground Cast Iron Pipe Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.21*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	2,272.99	113.33
		For Above Ground Cast Iron Pipe Installation, Add	*8.57*	
		For Work In Restricted Working Space, Add	*51.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	200.25	67.41
		For Above Ground Cast Iron Pipe Installation, Add	*5.10*	
		For Work In Restricted Working Space, Add	*30.62*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	276.45	85.08
		For Above Ground Cast Iron Pipe Installation, Add	*6.46*	
		For Work In Restricted Working Space, Add	*38.76*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	688.41	106.78
		For Above Ground Cast Iron Pipe Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	796.60	129.25
		For Above Ground Cast Iron Pipe Installation, Add	*9.79*	
		For Work In Restricted Working Space, Add	*58.76*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	2,257.20	123.16
		For Above Ground Cast Iron Pipe Installation, Add	*9.34*	
		For Work In Restricted Working Space, Add	*56.06*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	2,473.05	146.24
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.37*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	3,298.29	168.76
		For Above Ground Cast Iron Pipe Installation, Add	*12.80*	
		For Work In Restricted Working Space, Add	*76.80*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	4,579.03	195.11
		For Above Ground Cast Iron Pipe Installation, Add	*14.78*	
		For Work In Restricted Working Space, Add	*88.67*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	8,969.03	225.67
		For Above Ground Cast Iron Pipe Installation, Add	*17.10*	
		For Work In Restricted Working Space, Add	*102.62*	
22 13 16 00-0241		**Bell And Spigot Cast Iron Scission Joint Fittings** *(22 13 16 00-0030)*		
22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	130.63	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.07*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	182.51	
		For Above Ground Cast Iron Pipe Installation, Add	*1.70*	
		For Work In Restricted Working Space, Add	*10.19*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	208.87	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	258.93	
		For Above Ground Cast Iron Pipe Installation, Add	*2.64*	
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	314.55	
		For Above Ground Cast Iron Pipe Installation, Add	*3.19*	
		For Work In Restricted Working Space, Add	*19.15*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	607.95	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.20*	
22 13 16 00-0248		**Cut And Prepare Existing In-Place Cast Iron Pipe** *(22 13 16 00-0019)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	8.41	
		For Above Ground Cast Iron Pipe Installation, Add	*0.42*	
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	9.18	
		For Above Ground Cast Iron Pipe Installation, Add	*0.46*	
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	11.47	
		For Above Ground Cast Iron Pipe Installation, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.44*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	13.76	
		For Above Ground Cast Iron Pipe Installation, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.13*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	18.35	
		For Above Ground Cast Iron Pipe Installation, Add	*0.92*	
		For Work In Restricted Working Space, Add	*5.51*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	21.40	
		For Above Ground Cast Iron Pipe Installation, Add	*1.07*	
		For Work In Restricted Working Space, Add	*6.42*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	25.23	
		For Above Ground Cast Iron Pipe Installation, Add	*1.26*	
		For Work In Restricted Working Space, Add	*7.57*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	29.05	
		For Above Ground Cast Iron Pipe Installation, Add	*1.45*	
		For Work In Restricted Working Space, Add	*8.72*	
22 13 16 00-0257		**Joint Material** *(22 13 16 00-0019)*		
		Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material	5.18	
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	9.75	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.02	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.14	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.14	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	8.52	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	18.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	28.83	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	36.73	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	43.63	
22 13 16 00-0268		**No Hub Cast Iron Soil Pipe And Fittings** *(22 13 16)*		
		Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		**No Hub Cast Iron Pipe** *(22 13 16 00-0268)*		
		Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	11.00	4.22
		For Below Ground Installation, Add	*0.32*	
		For Work In Restricted Working Space, Add	*1.91*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	11.68	4.50
		For Below Ground Installation, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.04*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	16.62	6.55
		For Below Ground Installation, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.96*	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	21.56	8.53
		For Below Ground Installation, Add	*0.64*	
		For Work In Restricted Working Space, Add	*3.84*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	28.25	10.71
		For Below Ground Installation, Add	*0.80*	
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	32.58	11.70
		For Below Ground Installation, Add	*0.88*	
		For Work In Restricted Working Space, Add	*5.25*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	49.19	16.74
		For Below Ground Installation, Add	*1.25*	
		For Work In Restricted Working Space, Add	*7.52*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	68.51	19.02
		For Below Ground Installation, Add	*1.43*	
		For Work In Restricted Working Space, Add	*8.55*	
22 13 16 00-0278		**No Hub Cast Iron Fittings** *(22 13 16 00-0268)*		
22 13 16 00-0279		**No Hub Cast Iron Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	42.18	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	42.48	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	50.04	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	68.81	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	96.03	35.35
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.90*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	113.98	42.15
		For Below Ground Installation, Add	*3.16*	
		For Work In Restricted Working Space, Add	*18.98*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	220.10	54.28
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0287		**No Hub Cast Iron Reducing Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	62.96	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	93.44	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0290		**No Hub Cast Iron Short Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	39.89	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	47.99	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	67.73	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	96.43	35.35
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.90*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	107.67	42.15
		For Below Ground Installation, Add	*3.16*	
		For Work In Restricted Working Space, Add	*18.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	201.04	54.28
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	324.40	76.01
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.19*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	36.44	19.16
		For Below Ground Installation, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.63*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	38.10	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	45.09	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	61.33	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	88.47	35.35
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.90*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	102.58	42.15
		For Below Ground Installation, Add	*3.16*	
		For Work In Restricted Working Space, Add	*18.98*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	186.20	54.28
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	34.79	19.16
		For Below Ground Installation, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.63*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	36.14	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	43.16	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	57.01	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	93.49	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	158.34	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	240.95	72.26
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.51*	

22 13 16 00-0314 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	70.15	39.02
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.54*	
22 13 16 00-0316	EA	3" x 2" No Hub Cast Iron Reducing Wye	78.78	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0317	EA	4" x 2" No Hub Cast Iron Reducing Wye	89.12	49.45
		For Below Ground Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0318	EA	4" x 3" No Hub Cast Iron Reducing Wye	102.45	54.94
		For Below Ground Installation, Add	*4.12*	
		For Work In Restricted Working Space, Add	*24.71*	
22 13 16 00-0319	EA	6" x 2" No Hub Cast Iron Reducing Wye	137.57	69.53
		For Below Ground Installation, Add	*5.21*	
		For Work In Restricted Working Space, Add	*31.28*	
22 13 16 00-0320	EA	6" x 3" No Hub Cast Iron Reducing Wye	146.46	72.67
		For Below Ground Installation, Add	*5.45*	
		For Work In Restricted Working Space, Add	*32.68*	
22 13 16 00-0321	EA	6" x 4" No Hub Cast Iron Reducing Wye	168.42	84.94
		For Below Ground Installation, Add	*6.37*	
		For Work In Restricted Working Space, Add	*38.19*	
22 13 16 00-0322	EA	8" x 4" No Hub Cast Iron Reducing Wye	211.13	85.41
		For Below Ground Installation, Add	*6.40*	
		For Work In Restricted Working Space, Add	*38.42*	
22 13 16 00-0323	EA	8" x 6" No Hub Cast Iron Reducing Wye	243.30	93.89
		For Below Ground Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.21*	
22 13 16 00-0324	EA	10" x 4" No Hub Cast Iron Reducing Wye	367.24	100.01
		For Below Ground Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*44.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0325	EA	10" x 6" No Hub Cast Iron Reducing Wye	387.86	107.07
		For Below Ground Installation, Add	*8.03*	
		For Work In Restricted Working Space, Add	*48.16*	
22 13 16 00-0326	EA	10" x 8" No Hub Cast Iron Reducing Wye	444.39	114.33
		For Below Ground Installation, Add	*8.57*	
		For Work In Restricted Working Space, Add	*51.42*	

22 13 16 00-0327 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0328	EA	1-1/2" No Hub Cast Iron Wye	55.88	30.15
		For Below Ground Installation, Add	*2.26*	
		For Work In Restricted Working Space, Add	*13.55*	
22 13 16 00-0329	EA	2" No Hub Cast Iron Wye	72.11	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0330	EA	3" No Hub Cast Iron Wye	81.92	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0331	EA	4" No Hub Cast Iron Wye	112.13	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0332	EA	5" No Hub Cast Iron Wye	155.30	68.83
		For Below Ground Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0333	EA	6" No Hub Cast Iron Wye	184.29	81.71
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.76*	
22 13 16 00-0334	EA	8" No Hub Cast Iron Wye	307.92	108.63
		For Below Ground Installation, Add	*8.14*	
		For Work In Restricted Working Space, Add	*48.85*	
22 13 16 00-0335	EA	10" No Hub Cast Iron Wye	495.09	120.67
		For Below Ground Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.27*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	63.42	35.08
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	72.55	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	85.23	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	121.47	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	219.60	90.37
		For Below Ground Installation, Add	*6.77*	
		For Work In Restricted Working Space, Add	*40.64*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	384.97	115.94
		For Below Ground Installation, Add	*8.69*	
		For Work In Restricted Working Space, Add	*52.15*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	452.57	140.17
		For Below Ground Installation, Add	*10.51*	
		For Work In Restricted Working Space, Add	*63.04*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	73.09	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	80.44	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	92.42	49.45
		For Below Ground Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	105.65	54.94
		For Below Ground Installation, Add	*4.12*	
		For Work In Restricted Working Space, Add	*24.71*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	147.18	69.53
		For Below Ground Installation, Add	*5.21*	
		For Work In Restricted Working Space, Add	*31.28*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	163.26	72.67
		For Below Ground Installation, Add	*5.45*	
		For Work In Restricted Working Space, Add	*32.68*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	183.13	84.94
		For Below Ground Installation, Add	*6.37*	
		For Work In Restricted Working Space, Add	*38.19*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	238.62	85.41
		For Below Ground Installation, Add	*6.40*	
		For Work In Restricted Working Space, Add	*38.42*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	306.14	93.89
		For Below Ground Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0354		**No Hub Cast Iron Double Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	91.28	50.78
		For Below Ground Installation, Add	*3.81*	
		For Work In Restricted Working Space, Add	*22.84*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	120.61	61.84
		For Below Ground Installation, Add	*4.63*	
		For Work In Restricted Working Space, Add	*27.80*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	158.82	67.62
		For Below Ground Installation, Add	*5.07*	
		For Work In Restricted Working Space, Add	*30.41*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	253.40	103.00
		For Below Ground Installation, Add	*7.72*	
		For Work In Restricted Working Space, Add	*46.31*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	475.40	138.19
		For Below Ground Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.17*	
22 13 16 00-0360		**No Hub Cast Iron Reducing Double Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	108.31	56.28
		For Below Ground Installation, Add	*4.22*	
		For Work In Restricted Working Space, Add	*25.31*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	129.34	64.80
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.15*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	142.21	70.65
		For Below Ground Installation, Add	*5.30*	
		For Work In Restricted Working Space, Add	*31.78*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	216.45	90.81
		For Below Ground Installation, Add	*6.81*	
		For Work In Restricted Working Space, Add	*40.84*	
22 13 16 00-0365		**No Hub Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	118.01	61.00
		For Below Ground Installation, Add	*4.57*	
		For Work In Restricted Working Space, Add	*27.44*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	142.46	67.62
		For Below Ground Installation, Add	*5.07*	
		For Work In Restricted Working Space, Add	*30.41*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	212.68	89.53
		For Below Ground Installation, Add	*6.71*	
		For Work In Restricted Working Space, Add	*40.25*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	298.84	138.20
		For Below Ground Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.15*	
22 13 16 00-0370		**No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	109.49	52.47
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.61*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	126.95	61.00
		For Below Ground Installation, Add	*4.57*	
		For Work In Restricted Working Space, Add	*27.44*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	151.48	66.63
		For Below Ground Installation, Add	*5.00*	
		For Work In Restricted Working Space, Add	*29.97*	
22 13 16 00-0374		**No Hub Cast Iron Sanitary Tees** *(22 13 16 00-0278)*		
22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	54.49	29.52
		For Below Ground Installation, Add	*2.22*	
		For Work In Restricted Working Space, Add	*13.29*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	72.65	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	80.71	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	109.37	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	155.87	68.83
		For Below Ground Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	183.88	81.71
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.76*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	342.02	108.63
		For Below Ground Installation, Add	*8.14*	
		For Work In Restricted Working Space, Add	*48.85*	
22 13 16 00-0382		**No Hub Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0278)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	61.35	33.32
		For Below Ground Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	71.10	39.02
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.54*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	73.90	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	86.95	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	99.09	55.29
		For Below Ground Installation, Add	*4.14*	
		For Work In Restricted Working Space, Add	*24.86*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	102.26	55.29
		For Below Ground Installation, Add	*4.14*	
		For Work In Restricted Working Space, Add	*24.86*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	135.69	65.39
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	140.11	65.39
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	140.65	65.39
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	145.99	68.13
		For Below Ground Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.63*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	270.85	91.61
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.20*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	41.40	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	48.09	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	59.47	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	39.41	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	49.54	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	72.12	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	119.12	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	164.23	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	204.57	89.24
		For Below Ground Installation, Add	*6.69*	
		For Work In Restricted Working Space, Add	*40.15*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	33.98	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	40.67	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	57.41	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	89.44	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	118.78	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0412		**No Hub Cast Iron Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	72.95	39.44
		For Below Ground Installation, Add	*2.96*	
		For Work In Restricted Working Space, Add	*17.76*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	78.45	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	94.16	44.72
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.12*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	138.95	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0417		**No Hub Cast Iron Reducing Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	103.03	52.47
		For Below Ground Installation, Add	*3.93*	
		For Work In Restricted Working Space, Add	*23.60*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	115.40	54.02
		For Below Ground Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	126.06	56.42
		For Below Ground Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.36*	
22 13 16 00-0421		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	67.02	40.85
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	91.67	55.29
		For Below Ground Installation, Add	*4.14*	
		For Work In Restricted Working Space, Add	*24.86*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	91.94	55.29
		For Below Ground Installation, Add	*4.14*	
		For Work In Restricted Working Space, Add	*24.86*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	110.94	65.39
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	112.73	65.39
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	113.43	65.39
		For Below Ground Installation, Add	*4.90*	
		For Work In Restricted Working Space, Add	*29.41*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	131.21	72.67
		For Below Ground Installation, Add	*5.45*	
		For Work In Restricted Working Space, Add	*32.68*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	131.48	72.67
		For Below Ground Installation, Add	*5.45*	
		For Work In Restricted Working Space, Add	*32.68*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	132.29	72.67
		For Below Ground Installation, Add	*5.45*	
		For Work In Restricted Working Space, Add	*32.68*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	181.68	101.37
		For Below Ground Installation, Add	*7.60*	
		For Work In Restricted Working Space, Add	*45.59*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	183.74	101.37
		For Below Ground Installation, Add	*7.60*	
		For Work In Restricted Working Space, Add	*45.59*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	187.05	101.37
		For Below Ground Installation, Add	*7.60*	
		For Work In Restricted Working Space, Add	*45.59*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	190.49	101.37
		For Below Ground Installation, Add	*7.60*	
		For Work In Restricted Working Space, Add	*45.59*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	190.89	101.37
		For Below Ground Installation, Add	*7.60*	
		For Work In Restricted Working Space, Add	*45.59*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	224.09	106.93
		For Below Ground Installation, Add	*8.01*	
		For Work In Restricted Working Space, Add	*48.08*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	238.91	111.62
		For Below Ground Installation, Add	*8.37*	
		For Work In Restricted Working Space, Add	*50.22*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	267.32	121.17
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.50*	
22 13 16 00-0439		**No Hub Cast Iron Blind Plugs** *(22 13 16 00-0278)*		
22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	32.06	19.16
		For Below Ground Installation, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.63*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	33.14	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	39.99	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	52.99	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	67.95	36.41
		For Below Ground Installation, Add	*2.70*	
		For Work In Restricted Working Space, Add	*16.18*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	77.42	42.15
		For Below Ground Installation, Add	*3.16*	
		For Work In Restricted Working Space, Add	*18.98*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	126.10	54.28
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	151.93	58.48
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.30*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	41.67	20.00
		For Below Ground Installation, Add	*1.50*	
		For Work In Restricted Working Space, Add	*8.99*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	61.04	22.90
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	91.78	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	159.44	35.64
		For Below Ground Installation, Add	*2.67*	
		For Work In Restricted Working Space, Add	*16.02*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	169.86	42.50
		For Below Ground Installation, Add	*3.19*	
		For Work In Restricted Working Space, Add	*19.12*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	66.00	25.43
		For Below Ground Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	95.22	33.81
		For Below Ground Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.20*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	138.41	44.65
		For Below Ground Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.07*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	63.99	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	67.84	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	118.06	30.29
		For Below Ground Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.63*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	48.12	25.43
		For Below Ground Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	51.22	25.43
		For Below Ground Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.42*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).

22 13 16 00-0467	EA	1-1/2" No Hub Coupling	5.84	
		For Medium Duty (Fernco MD-2000), Add	*0.76*	
		For Heavy Duty (Fernco HD-4000), Add	*1.58*	
22 13 16 00-0468	EA	2" No Hub Coupling	5.84	
		For Medium Duty (Fernco MD-2000), Add	*0.76*	
		For Heavy Duty (Fernco HD-4000), Add	*1.58*	
22 13 16 00-0469	EA	3" No Hub Coupling	6.93	
		For Medium Duty (Fernco MD-2000), Add	*0.90*	
		For Heavy Duty (Fernco HD-4000), Add	*1.87*	
22 13 16 00-0470	EA	4" No Hub Coupling	8.23	
		For Medium Duty (Fernco MD-2000), Add	*1.07*	
		For Heavy Duty (Fernco HD-4000), Add	*2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0471	EA	5" No Hub Coupling	19.02	
		For Medium Duty (Fernco MD-2000), Add	*2.47*	
		For Heavy Duty (Fernco HD-4000), Add	*5.14*	
22 13 16 00-0472	EA	6" No Hub Coupling	20.90	
		For Medium Duty (Fernco MD-2000), Add	*2.72*	
		For Heavy Duty (Fernco HD-4000), Add	*5.64*	
22 13 16 00-0473	EA	8" No Hub Coupling	39.37	
		For Medium Duty (Fernco MD-2000), Add	*5.12*	
		For Heavy Duty (Fernco HD-4000), Add	*10.63*	
22 13 16 00-0474	EA	10" No Hub Coupling	54.24	
		For Medium Duty (Fernco MD-2000), Add	*7.05*	
		For Heavy Duty (Fernco HD-4000), Add	*14.64*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	6.93	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	10.75	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	14.99	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	12.77	
22 13 16 00-0479		**Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts** *(22 13 16 00-0278)*		
		Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	22.22	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	22.94	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	24.08	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	28.10	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.04	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	72.82	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	127.58	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	194.95	
22 13 16 00-0488		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	6.88	
		For Work In Restricted Working Space, Add	*2.06*	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	8.41	
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	9.18	
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	11.47	
		For Work In Restricted Working Space, Add	*3.44*	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	13.76	
		For Work In Restricted Working Space, Add	*4.13*	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	18.35	
		For Work In Restricted Working Space, Add	*5.51*	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	21.40	
		For Work In Restricted Working Space, Add	*6.42*	
22 13 16 00-0496		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0435 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	9.32	3.31
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	11.00	3.70
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	14.09	4.55
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	31.59	6.32
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	42.62	7.12
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	78.64	8.18
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	113.04	12.69
22 13 16 00-0504		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	15.56	2.96
		For Work In Restricted Working Space, Add	*3.39*	
22 13 16 00-0507	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.33	3.52
		For Work In Restricted Working Space, Add	*3.77*	
22 13 16 00-0508	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	23.79	5.07
		For Work In Restricted Working Space, Add	*4.69*	
22 13 16 00-0509	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.05	5.49
		For Work In Restricted Working Space, Add	*5.12*	
22 13 16 00-0510	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	40.11	7.04
		For Work In Restricted Working Space, Add	*6.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0511	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.41	9.37
		For Work In Restricted Working Space, Add	*7.51*	
22 13 16 00-0512	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	69.25	12.54
		For Work In Restricted Working Space, Add	*9.79*	

22 13 16 00-0513 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*
Note: Excludes fittings or hangers.

22 13 16 00-0514 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0513)*
Note: Excludes fittings or hangers.

22 13 16 00-0515	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	5.26	2.96
		For Work In Restricted Working Space, Add	*1.32*	
22 13 16 00-0516	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	6.40	3.52
		For Work In Restricted Working Space, Add	*1.58*	
22 13 16 00-0517	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	9.84	5.07
		For Work In Restricted Working Space, Add	*2.27*	
22 13 16 00-0518	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	11.40	5.49
		For Work In Restricted Working Space, Add	*2.46*	
22 13 16 00-0519	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	16.15	7.00
		For Work In Restricted Working Space, Add	*3.15*	
22 13 16 00-0520	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	22.61	9.31
		For Work In Restricted Working Space, Add	*4.20*	
22 13 16 00-0521	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	31.85	12.46
		For Work In Restricted Working Space, Add	*5.60*	

22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0513)*
Note: Excludes fittings or hangers.

22 13 16 00-0523	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	5.00	2.96
		For Work In Restricted Working Space, Add	*1.32*	
22 13 16 00-0524	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	6.10	3.52
		For Work In Restricted Working Space, Add	*1.58*	
22 13 16 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.26	5.07
		For Work In Restricted Working Space, Add	*2.27*	
22 13 16 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	10.63	5.49
		For Work In Restricted Working Space, Add	*2.46*	
22 13 16 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	14.71	7.00
		For Work In Restricted Working Space, Add	*3.15*	
22 13 16 00-0528	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	20.59	9.31
		For Work In Restricted Working Space, Add	*4.20*	
22 13 16 00-0529	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	29.66	12.46
		For Work In Restricted Working Space, Add	*5.60*	

22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*

22 13 16 00-0531 Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0530)*

22 13 16 00-0532	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	19.68	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0533	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	25.17	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0534	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	38.45	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0535	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	52.53	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0536	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	151.11	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0537	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	242.05	41.07
		For Work In Restricted Working Space, Add	*18.49*	
22 13 16 00-0538	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	320.04	54.73
		For Work In Restricted Working Space, Add	*24.65*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0530)*

22 13 16 00-0540	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	25.49	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0541	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	28.51	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0542	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	47.04	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0543	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	68.29	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0544	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	120.67	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0545	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	202.05	41.07
		For Work In Restricted Working Space, Add	*18.49*	
22 13 16 00-0546	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	319.32	54.73
		For Work In Restricted Working Space, Add	*24.65*	

22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0530)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0548	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	20.16	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0549	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	25.13	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0550	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	37.73	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0551	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	49.03	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0552	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	142.19	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0553	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	221.33	41.07
		For Work In Restricted Working Space, Add	*18.49*	
22 13 16 00-0554	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	259.10	54.73
		For Work In Restricted Working Space, Add	*24.65*	

22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	30.11	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0557	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	39.10	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0558	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	59.52	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0559	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	79.69	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0560	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	224.91	45.71
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0561	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	294.42	61.56
		For Work In Restricted Working Space, Add	*27.74*	

22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0563	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	35.56	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0564	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	40.57	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0565	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	36.63	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0566	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	49.87	26.06
		For Work In Restricted Working Space, Add	*11.73*	
22 13 16 00-0567	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	51.83	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0568	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	58.50	29.30
		For Work In Restricted Working Space, Add	*13.21*	
22 13 16 00-0569	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	82.90	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 13 16 00-0570	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	99.87	33.53
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0571	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	214.49	42.19
		For Work In Restricted Working Space, Add	*19.02*	
22 13 16 00-0572	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	605.16	52.75
		For Work In Restricted Working Space, Add	*23.77*	
22 13 16 00-0573	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	627.40	56.28
		For Work In Restricted Working Space, Add	*25.36*	

22 13 16 00-0574 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0575	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	46.36	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0576	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	61.39	30.01
		For Work In Restricted Working Space, Add	*13.52*	
22 13 16 00-0577	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	106.33	40.36
		For Work In Restricted Working Space, Add	*18.17*	
22 13 16 00-0578	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	144.01	46.91
		For Work In Restricted Working Space, Add	*21.13*	

22 13 16 00-0579 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0580	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	54.90	26.77
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0581	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	82.54	31.90
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0582	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	93.87	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0583	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	148.13	38.46
		For Work In Restricted Working Space, Add	*17.33*	
22 13 16 00-0584	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	158.36	43.60
		For Work In Restricted Working Space, Add	*19.65*	

22 13 16 00-0585 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0530)*

22 13 16 00-0586	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	24.21	13.38
		For Work In Restricted Working Space, Add	*6.02*	
22 13 16 00-0587	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	37.15	15.92
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0588	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	37.47	17.61
		For Work In Restricted Working Space, Add	*7.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0589	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	50.77	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0590	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	55.63	21.84
		For Work In Restricted Working Space, Add	*9.83*	
22 13 16 00-0591	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	153.62	25.35
		For Work In Restricted Working Space, Add	*11.41*	
22 13 16 00-0592	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	133.33	26.98
		For Work In Restricted Working Space, Add	*12.15*	
22 13 16 00-0593	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	303.15	32.26
		For Work In Restricted Working Space, Add	*14.53*	
22 13 16 00-0594	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	263.29	35.78
		For Work In Restricted Working Space, Add	*16.11*	
22 13 16 00-0595	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	349.24	42.62
		For Work In Restricted Working Space, Add	*19.19*	
22 13 16 00-0596	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	285.90	47.90
		For Work In Restricted Working Space, Add	*21.57*	

22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0530)*

22 13 16 00-0598	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	33.65	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0599	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	43.68	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0600	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	94.57	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0601	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	169.86	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0602	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	275.60	45.71
		For Work In Restricted Working Space, Add	*20.60*	

22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0530)*

22 13 16 00-0604	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	49.11	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0605	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	42.46	21.84
		For Work In Restricted Working Space, Add	*9.83*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0530)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	33.81	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	41.25	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	62.26	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	84.19	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	208.04	45.71
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0612	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	262.37	61.56
		For Work In Restricted Working Space, Add	*27.74*	
22 13 16 00-0613	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	346.22	82.06
		For Work In Restricted Working Space, Add	*36.98*	

22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0530)*

22 13 16 00-0615	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	42.09	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0616	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	44.43	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0617	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	59.66	26.06
		For Work In Restricted Working Space, Add	*11.73*	
22 13 16 00-0618	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	54.57	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0619	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	76.67	29.30
		For Work In Restricted Working Space, Add	*13.21*	
22 13 16 00-0620	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	71.68	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 13 16 00-0621	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	79.78	33.53
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0622	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	187.35	40.57
		For Work In Restricted Working Space, Add	*18.28*	
22 13 16 00-0623	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	225.09	42.19
		For Work In Restricted Working Space, Add	*19.02*	
22 13 16 00-0624	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	224.87	52.75
		For Work In Restricted Working Space, Add	*23.77*	
22 13 16 00-0625	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	275.07	56.28
		For Work In Restricted Working Space, Add	*25.36*	
22 13 16 00-0626	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	263.86	66.42
		For Work In Restricted Working Space, Add	*29.93*	
22 13 16 00-0627	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	317.95	69.95
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0628	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	364.83	75.23
		For Work In Restricted Working Space, Add	*33.90*	

22 13 16 00-0629 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0530)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0630	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	50.98	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0631	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	65.33	30.01
		For Work In Restricted Working Space, Add	*13.52*	
22 13 16 00-0632	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	112.90	40.36
		For Work In Restricted Working Space, Add	*18.17*	
22 13 16 00-0633	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	176.52	46.91
		For Work In Restricted Working Space, Add	*21.13*	
22 13 16 00-0634	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	331.81	61.00
		For Work In Restricted Working Space, Add	*27.47*	
22 13 16 00-0635	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	394.42	82.13
		For Work In Restricted Working Space, Add	*36.98*	
22 13 16 00-0636	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	596.41	109.46
		For Work In Restricted Working Space, Add	*49.30*	

22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0530)*

22 13 16 00-0638	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	58.65	26.77
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0639	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	93.81	31.90
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0640	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	91.79	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0641	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	121.34	38.46
		For Work In Restricted Working Space, Add	*17.33*	
22 13 16 00-0642	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	149.50	43.60
		For Work In Restricted Working Space, Add	*19.65*	
22 13 16 00-0643	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	218.96	53.95
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0644	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	257.50	64.52
		For Work In Restricted Working Space, Add	*29.06*	
22 13 16 00-0645	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	318.62	71.56
		For Work In Restricted Working Space, Add	*32.22*	
22 13 16 00-0646	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	338.88	78.18
		For Work In Restricted Working Space, Add	*35.22*	
22 13 16 00-0647	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	425.93	85.22
		For Work In Restricted Working Space, Add	*38.39*	
22 13 16 00-0648	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	508.80	95.79
		For Work In Restricted Working Space, Add	*43.14*	

22 13 16 00-0649 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0650	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	38.43	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0651	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	48.45	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0652	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	83.91	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0653	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	132.73	35.22
		For Work In Restricted Working Space, Add	*15.85*	

22 13 16 00-0654 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0655	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	61.66	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0656	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	91.77	26.06
		For Work In Restricted Working Space, Add	*11.73*	
22 13 16 00-0657	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	74.48	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0658	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	119.73	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 13 16 00-0659	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	129.70	33.53
		For Work In Restricted Working Space, Add	*15.11*	

22 13 16 00-0660 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0661	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	54.56	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0662	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	65.73	30.01
		For Work In Restricted Working Space, Add	*13.52*	
22 13 16 00-0663	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	96.46	40.36
		For Work In Restricted Working Space, Add	*18.17*	
22 13 16 00-0664	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	259.53	46.91
		For Work In Restricted Working Space, Add	*21.13*	
22 13 16 00-0665	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	778.05	61.00
		For Work In Restricted Working Space, Add	*27.47*	

22 13 16 00-0666 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0667	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	103.43	26.77
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0668	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	160.04	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0669	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	257.55	38.46
		For Work In Restricted Working Space, Add	*17.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0670	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	240.36	43.60
		For Work In Restricted Working Space, Add	*19.65*	
22 13 16 00-0671	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	529.48	53.95
		For Work In Restricted Working Space, Add	*24.30*	

22 13 16 00-0672 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0530)*

22 13 16 00-0673	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	69.03	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0674	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	112.72	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0675	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	169.88	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0676	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	408.79	45.71
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0677	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	515.90	61.56
		For Work In Restricted Working Space, Add	*27.74*	
22 13 16 00-0678	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	684.93	82.06
		For Work In Restricted Working Space, Add	*36.98*	

22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0530)*

22 13 16 00-0680	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	23.70	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0681	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	32.37	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0682	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	45.41	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0683	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	70.75	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0684	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	143.31	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0685	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	299.45	41.07
		For Work In Restricted Working Space, Add	*18.49*	
22 13 16 00-0686	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	534.54	54.73
		For Work In Restricted Working Space, Add	*24.64*	

22 13 16 00-0687 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0530)*

22 13 16 00-0688	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	19.41	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0689	EA	2" Polyvinyl Chloride (PVC) Couplings	24.57	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0690	EA	3" Polyvinyl Chloride (PVC) Couplings	35.48	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0691	EA	4" Polyvinyl Chloride (PVC) Couplings	43.74	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0692	EA	6" Polyvinyl Chloride (PVC) Couplings	92.82	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0693	EA	8" Polyvinyl Chloride (PVC) Couplings	197.52	41.07
		For Work In Restricted Working Space, Add	*18.49*	
22 13 16 00-0694	EA	10" Polyvinyl Chloride (PVC) Couplings	292.76	54.73
		For Work In Restricted Working Space, Add	*24.65*	

22 13 16 00-0695 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0530)*

22 13 16 00-0696	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	10.64	5.84
		For Work In Restricted Working Space, Add	*2.64*	
22 13 16 00-0697	EA	2" Polyvinyl Chloride (PVC) Male Adapters	15.76	7.54
		For Work In Restricted Working Space, Add	*3.38*	
22 13 16 00-0698	EA	3" Polyvinyl Chloride (PVC) Male Adapters	27.61	10.08
		For Work In Restricted Working Space, Add	*4.55*	
22 13 16 00-0699	EA	4" Polyvinyl Chloride (PVC) Male Adapters	46.16	11.76
		For Work In Restricted Working Space, Add	*5.28*	

22 13 16 00-0700 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0701	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.16
22 13 16 00-0702	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.68
22 13 16 00-0703	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.22
22 13 16 00-0704	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.75
22 13 16 00-0705	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	13.93
22 13 16 00-0706	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	18.57
22 13 16 00-0707	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	22.71

22 13 16 00-0708 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0709 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies

(22 13 16 00-0708)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0710	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	15.33	2.96
		For Work In Restricted Working Space, Add	*4.05*	
22 13 16 00-0711	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	16.99	3.52
		For Work In Restricted Working Space, Add	*4.49*	
22 13 16 00-0712	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.29	5.07
		For Work In Restricted Working Space, Add	*5.57*	
22 13 16 00-0713	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.29	5.49
		For Work In Restricted Working Space, Add	*6.19*	
22 13 16 00-0714	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	38.65	7.04
		For Work In Restricted Working Space, Add	*8.24*	
22 13 16 00-0715		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0708)* Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	5.40	2.96
		For Work In Restricted Working Space, Add	*1.32*	
22 13 16 00-0717	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.62	3.52
		For Work In Restricted Working Space, Add	*1.58*	
22 13 16 00-0718	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.35	5.07
		For Work In Restricted Working Space, Add	*2.27*	
22 13 16 00-0719	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.17	5.49
		For Work In Restricted Working Space, Add	*2.46*	
22 13 16 00-0720	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	18.56	7.00
		For Work In Restricted Working Space, Add	*3.15*	
22 13 16 00-0721		**Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)** *(22 13 16 00-0708)*		
22 13 16 00-0722		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0723	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	21.85	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0724	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	28.59	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0725	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	48.96	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0726	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	71.80	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0727	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	182.31	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0728		**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0729	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	27.72	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0730	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	34.32	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0731	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	63.19	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0732	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	100.12	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0733		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0734	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	22.65	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0735	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	28.03	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0736	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	46.04	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0737	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	66.41	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0738	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	188.00	30.49
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0739		**Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0740	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	33.63	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0741	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	44.67	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0742	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	73.10	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0743	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	105.98	35.22
		For Work In Restricted Working Space, Add	*15.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0744	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	356.80	45.71
		For Work In Restricted Working Space, Add	*20.60*	

22 13 16 00-0745 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0721)*

22 13 16 00-0746	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	40.40	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0747	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	47.51	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0748	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	41.75	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0749	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	60.22	26.06
		For Work In Restricted Working Space, Add	*11.73*	
22 13 16 00-0750	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	62.88	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0751	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	120.63	29.30
		For Work In Restricted Working Space, Add	*13.21*	
22 13 16 00-0752	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	118.00	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 13 16 00-0753	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	134.23	33.53
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0754	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	385.54	42.19
		For Work In Restricted Working Space, Add	*19.02*	

22 13 16 00-0755 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0721)*

22 13 16 00-0756	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	57.16	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0757	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	77.09	30.01
		For Work In Restricted Working Space, Add	*13.52*	
22 13 16 00-0758	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	150.50	40.36
		For Work In Restricted Working Space, Add	*18.17*	
22 13 16 00-0759	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	214.57	46.91
		For Work In Restricted Working Space, Add	*21.13*	

22 13 16 00-0760 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0721)*

22 13 16 00-0761	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	65.04	26.77
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0762	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	93.73	31.90
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0763	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	107.06	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0764	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	176.86	38.23
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0765	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	187.86	43.34
		For Work In Restricted Working Space, Add	*19.54*	

22 13 16 00-0766 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0721)*

22 13 16 00-0767	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	40.95	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0768	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	48.74	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0769	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	78.48	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0770	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	114.40	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0771	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	294.59	45.71
		For Work In Restricted Working Space, Add	*20.60*	

22 13 16 00-0772 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes *(22 13 16 00-0721)*

22 13 16 00-0773	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	54.83	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0774	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	57.02	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0775	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	67.24	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0776	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	95.96	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 13 16 00-0777	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	108.16	33.53
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0778	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	250.05	42.19
		For Work In Restricted Working Space, Add	*19.02*	

22 13 16 00-0779 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes *(22 13 16 00-0721)*

22 13 16 00-0780	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	66.15	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0781	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	84.86	30.01
		For Work In Restricted Working Space, Add	*13.52*	
22 13 16 00-0782	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	163.42	40.36
		For Work In Restricted Working Space, Add	*18.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0783	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	278.78	46.91
		For Work In Restricted Working Space, Add	*21.13*	

22 13 16 00-0784 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0721)*

22 13 16 00-0785	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	76.49	26.77
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0786	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	120.45	31.90
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0787	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	129.19	35.22
		For Work In Restricted Working Space, Add	*15.85*	
22 13 16 00-0788	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	182.67	38.46
		For Work In Restricted Working Space, Add	*17.33*	
22 13 16 00-0789	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	230.50	43.60
		For Work In Restricted Working Space, Add	*19.65*	

22 13 16 00-0790 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0791	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	49.64	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0792	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	64.00	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0793	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	95.17	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0794	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	150.17	35.01
		For Work In Restricted Working Space, Add	*15.76*	

22 13 16 00-0795 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0796	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	55.79	20.85
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0797	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	96.98	26.06
		For Work In Restricted Working Space, Add	*11.73*	
22 13 16 00-0798	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	77.74	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0799	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	127.07	30.99
		For Work In Restricted Working Space, Add	*13.95*	
22 13 16 00-0800	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	137.63	33.53
		For Work In Restricted Working Space, Add	*15.11*	

22 13 16 00-0801 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0802	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	99.73	30.01
		For Work In Restricted Working Space, Add	*13.52*	
22 13 16 00-0803	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	186.62	40.36
		For Work In Restricted Working Space, Add	*18.17*	

22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*

22 13 16 00-0805	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	84.13	26.77
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0806	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	176.73	35.22
		For Work In Restricted Working Space, Add	*15.85*	

22 13 16 00-0807 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0721)*

22 13 16 00-0808	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	53.73	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0809	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	68.09	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0810	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	104.32	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0811	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	162.90	35.22
		For Work In Restricted Working Space, Add	*15.85*	

22 13 16 00-0812 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0721)*

22 13 16 00-0813	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	26.98	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0814	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	37.66	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0815	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	53.52	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0816	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	89.91	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0817	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	195.92	30.49
		For Work In Restricted Working Space, Add	*13.73*	

22 13 16 00-0818 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0721)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0819	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	20.84	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0820	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	25.94	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0821	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	39.55	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0822	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	50.49	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0823	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	121.24	30.49
		For Work In Restricted Working Space, Add	*13.73*	

22 13 16 00-0824 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0721)*

22 13 16 00-0825	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	28.25	13.38
		For Work In Restricted Working Space, Add	*6.02*	
22 13 16 00-0826	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	49.89	15.92
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0827	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	48.17	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0828	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	71.79	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0829	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	77.65	21.84
		For Work In Restricted Working Space, Add	*9.83*	

22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0721)*

22 13 16 00-0831	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	42.28	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0832	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	59.49	22.54
		For Work In Restricted Working Space, Add	*10.14*	
22 13 16 00-0833	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	163.06	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 13 16 00-0834	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	293.82	35.22
		For Work In Restricted Working Space, Add	*15.85*	

22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0721)*

22 13 16 00-0836	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	57.37	23.46
		For Work In Restricted Working Space, Add	*10.57*	
22 13 16 00-0837	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	53.53	21.84
		For Work In Restricted Working Space, Add	*9.83*	

22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0721)*

22 13 16 00-0839	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	12.93	5.84
		For Work In Restricted Working Space, Add	*2.64*	
22 13 16 00-0840	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	18.57	7.54
		For Work In Restricted Working Space, Add	*3.38*	
22 13 16 00-0841	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	36.42	10.08
		For Work In Restricted Working Space, Add	*4.55*	
22 13 16 00-0842	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	64.67	11.76
		For Work In Restricted Working Space, Add	*5.28*	

22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0721)*

22 13 16 00-0844	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	23.47	13.38
		For Work In Restricted Working Space, Add	*6.02*	
22 13 16 00-0845	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	42.30	15.92
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0846	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	38.08	17.61
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0847	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	71.20	19.23
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0848	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	57.28	21.84
		For Work In Restricted Working Space, Add	*9.83*	
22 13 16 00-0849	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	136.43	26.81
		For Work In Restricted Working Space, Add	*12.08*	

22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0721)*

22 13 16 00-0851	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	47.45	11.76
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0852	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	54.37	15.01
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0853	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	64.11	20.14
		For Work In Restricted Working Space, Add	*9.09*	
22 13 16 00-0854	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	71.03	23.46
		For Work In Restricted Working Space, Add	*10.57*	

22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0708)

Note: In place piping.

22 13 16 00-0856	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.16
22 13 16 00-0857	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0858	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.22	
22 13 16 00-0859	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.75	
22 13 16 00-0860	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	13.93	

22 13 16 00-0861 Elastomeric Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

(22 13 16 00-0861)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0863	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	11.60	3.06
		For Work In Restricted Working Space, Add	*1.83*	
22 13 16 00-0864	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	12.58	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 13 16 00-0865	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	13.19	3.44
		For Work In Restricted Working Space, Add	*2.06*	
22 13 16 00-0866	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	15.79	3.64
		For Work In Restricted Working Space, Add	*2.18*	
22 13 16 00-0867	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	18.31	3.83
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0868	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	24.75	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 13 16 00-0869	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	31.24	4.20
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0870	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	44.29	4.58
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0871	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	59.52	5.35
		For Work In Restricted Working Space, Add	*3.21*	

22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0861)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0873	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	12.37	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 13 16 00-0874	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	13.55	3.44
		For Work In Restricted Working Space, Add	*2.06*	
22 13 16 00-0875	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	17.55	3.64
		For Work In Restricted Working Space, Add	*2.18*	
22 13 16 00-0876	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	15.14	3.64
		For Work In Restricted Working Space, Add	*2.18*	
22 13 16 00-0877	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	22.64	3.83
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0878	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	21.42	3.83
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0879	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	19.13	3.83
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0880	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	30.12	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 13 16 00-0881	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	26.62	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 13 16 00-0882	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	38.45	4.20
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0883	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	33.23	4.20
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0884	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	34.68	4.20
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0885	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	69.03	7.64
		For Work In Restricted Working Space, Add	*4.59*	
22 13 16 00-0886	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	54.55	7.64
		For Work In Restricted Working Space, Add	*4.59*	
22 13 16 00-0887	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	70.66	8.60
		For Work In Restricted Working Space, Add	*5.16*	

22 13 16 00-0888 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0889	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	36.40	20.64
22 13 16 00-0890	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	39.31	21.94
22 13 16 00-0891	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	45.86	25.15
22 13 16 00-0892	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	60.35	33.26
22 13 16 00-0893	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	72.54	39.76
22 13 16 00-0894	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106)	82.83	45.87
22 13 16 00-0895	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108)	115.50	58.11
22 13 16 00-0896	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110)	149.90	64.99
22 13 16 00-0897	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112)	202.72	72.25

22 13 16 00-0898 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*

22 13 16 00-0899	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	76.56	15.85
22 13 16 00-0900	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	80.09	17.61
22 13 16 00-0901	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	122.70	22.90
22 13 16 00-0902	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	144.18	26.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0903	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	168.84	29.94
22 13 16 00-0904	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	297.67	33.46
22 13 16 00-0905		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*		
22 13 16 00-0906	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	139.19	15.85
22 13 16 00-0907	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	142.72	17.61
22 13 16 00-0908	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	169.35	22.90
22 13 16 00-0909	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	212.22	26.41
22 13 16 00-0910	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	290.93	29.94
22 13 16 00-0911	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	297.97	33.46
22 13 16 00-0912		Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)* Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0913	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	268.10	15.85
22 13 16 00-0914	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	271.63	17.61
22 13 16 00-0915	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	311.74	22.90
22 13 16 00-0916	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	350.81	26.41
22 13 16 00-0917	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	409.57	29.94
22 13 16 00-0918	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	447.39	33.46

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001		Round Top Floor Drains *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	575.87	75.72
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	632.13	84.87
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	612.29	93.89
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	631.63	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	574.62	84.87
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	592.73	93.89
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	612.07	103.61
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	977.57	84.87
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	995.68	93.89
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,015.02	103.61
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	918.89	84.87
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	936.90	93.89
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	956.34	103.61
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,012.70	84.80
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,030.79	93.89
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,050.23	103.61
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,615.16	84.80
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,633.25	93.89
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,652.69	103.61
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,534.96	84.80
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,553.05	93.89
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,572.49	103.61
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	686.04	84.80
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	704.33	93.96
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	723.57	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	744.72	84.80
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	763.01	93.96
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	782.25	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,002.92	84.80
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,021.21	93.96
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,040.45	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	643.00	84.80
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	661.29	93.96
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	680.53	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	717.33	84.80
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	735.62	93.96
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	754.86	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	926.63	84.80
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	944.92	93.96
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	964.16	103.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	2,454.99	93.96
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	2,474.23	103.61
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	3,092.66	93.96
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	3,111.90	103.61
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	3,016.38	93.96
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	3,035.62	103.61
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,018.57	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,036.86	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,056.10	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,321.75	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,340.04	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,359.28	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,392.17	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,410.46	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,429.70	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,937.91	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,956.20	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,975.44	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	955.97	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	974.26	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	993.50	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,214.17	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,232.46	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,251.70	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,284.59	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,302.88	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,322.12	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	1,728.61	84.80
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	1,746.90	93.96
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	1,766.14	103.61
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	963.23	75.72
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	981.40	84.80
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	999.49	93.89
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,018.93	103.61
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	1,421.51	84.80
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	1,439.60	93.89
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	1,459.04	103.61
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,345.23	84.80
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,363.32	93.89
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,382.76	103.61
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,082.03	75.72
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,100.26	84.80
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,118.35	93.89
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,137.79	103.61
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,157.83	113.61
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,248.92	84.80
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,267.21	93.96
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,286.45	103.61
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,306.49	113.61
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,366.74	84.80
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,385.03	93.96
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,404.27	103.61
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,424.31	113.61
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,096.35	84.80
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,114.64	93.96
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,133.88	103.61
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,153.92	113.61
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	30.98	7.64
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	34.39	7.64
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	71.61	15.29
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	91.22	15.29

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	970.99	75.72
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	989.22	84.80
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,007.31	93.89
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	192.10	51.06
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	202.67	56.35
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	192.10	51.06
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	202.67	56.35
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	192.10	51.06
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	202.67	56.35
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	192.10	51.06
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	202.67	56.35
22 13 19 13-0121	EA	1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	272.09	56.35

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,194.73	84.87
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,213.10	94.03
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,232.14	103.61
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

22 13 19 13-0127 Square Top Floor Receptors *(22 13 19 13-0122)*

Note: With acid resistant coating.

22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,418.99	75.72
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Flange With Seepage Holes, Add	*37.50*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,437.24	84.87
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Flange With Seepage Holes, Add	*37.50*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,455.25	93.89
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Flange With Seepage Holes, Add	*37.50*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,474.69	103.61
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Flange With Seepage Holes, Add	*37.50*	

22 13 19 13-0132 Floor Drain Accessories *(22 13 19 13)*

22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	66.02	8.81
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	53.92	8.81
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	58.76	8.81
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	70.86	8.81
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	63.60	8.81
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	90.41	8.81
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	100.16	8.81
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	124.35	8.81

22 13 19 26 Grease Removal Devices *(22 13 19)*

22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	764.37	52.83
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	891.13	118.86
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	1,260.84	132.06
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	1,521.41	145.27
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	1,702.94	158.49
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	2,090.26	184.90
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	2,723.47	211.31
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	5,335.07	237.72
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	6,016.86	278.61
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	7,426.95	445.78
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	10,654.99	557.22
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	12,429.86	668.66
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	16,148.01	780.11
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	20,887.77	891.55
22 13 19 26-0017		**Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	2,183.80	145.27
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	2,809.10	184.90
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	4,623.66	211.31
22 13 19 26-0021		**Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		**Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	1,916.86	52.83
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	2,253.55	118.86
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,408.31	132.06
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	2,937.35	145.27
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,539.15	158.49
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	3,661.76	184.90
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	4,179.98	211.31
22 13 19 26-0030		**Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,912.95	184.90
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	4,197.88	145.27
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	4,879.11	158.49
22 13 19 26-0035	EA	35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	4,194.75	184.90
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	4,630.51	261.29
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	5,310.51	261.29
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	6,026.65	298.72
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	6,830.80	421.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	7,660.11	567.60
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	11,524.25	746.78
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	14,706.42	1,224.59

22 13 19 26-0044 Coated Steel Manual Oil Interceptor *(22 13 19 26)*

Note: Includes internal air relief, and flow control fitting.

22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,819.65	201.07
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,794.90	238.91
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,595.75	293.96
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,991.15	318.42
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,987.29	347.47
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,884.46	382.26
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,211.63	440.23
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,451.20	541.66
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,734.32	587.08
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	24,805.96	704.36
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	28,609.85	757.19
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	36,038.34	902.99
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	43,476.60	739.93
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	51,503.33	880.45

22 13 19 33 Backwater Valves *(22 13 19)*

22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*

22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	305.96	20.22
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	313.70	25.43
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	452.54	33.81
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	1,221.83	48.95
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	1,494.28	64.42
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	4,320.10	79.47
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	4,894.34	103.07

22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	756.88	48.17
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,153.49	58.46
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,426.85	75.37
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,010.38	88.92
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,785.57	105.38

22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,056.75	76.29
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,094.50	101.43
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,057.83	131.70
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,080.72	146.83

22 13 19 36 Air-Admittance Valves *(22 13 19)*

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	126.14	9.87
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	150.37	9.87

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	748.95	99.74
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	749.87	99.74
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,049.81	99.74
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,049.81	99.74
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,117.72	99.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0007		Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*		
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	290.70	34.09
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	295.06	36.31
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0010		Sediment Strainers *(22 13 23)*		
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	111.14	46.32
22 13 29		**Sanitary Sewerage Pumps** *(22 13)*		
22 13 29 13		**Wet-Pit-Mounted, Vertical Sewerage Pumps** *(22 13 29)*		
22 13 29 13-0001		Vertical Non-Clog Sewage Pumps *(22 13 29 13)*		
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,893.72	844.95
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	5,090.65	844.95
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	5,287.57	844.95
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	5,475.41	844.95
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,439.05	844.95
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,514.79	844.95
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,567.81	844.95
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	5,931.36	844.95
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,287.34	844.95
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,832.67	844.95
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	7,377.99	844.95
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	8,482.31	1,124.44
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	5,818.56	844.95
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	5,818.56	844.95
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	5,949.78	844.95
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,967.96	844.95
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	7,146.57	844.95
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	8,545.14	1,124.44
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	8,999.58	1,124.44
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	506.79	28.18
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	561.06	31.69
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	778.52	42.26
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,129.69	49.31
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,211.08	51.06
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,294.99	52.83
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	1,649.60	63.40
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	2,234.45	70.44
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	2,833.55	88.05
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	3,601.84	96.85
22 13 29 13-0045		Sludge Pumps *(22 13 29 13)*		
22 13 29 13-0046		Vortex Type Sludge Pumps *(22 13 29 13-0045)*		
		Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)	26,781.29	1,056.62
		For Explosion Proof Motor, Add	*375.00*	
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)	37,535.16	1,358.50
		For Explosion Proof Motor, Add	*750.00*	
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)	48,298.66	2,075.49
		For Explosion Proof Motor, Add	*1,125.00*	
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)	20,464.77	1,207.56
		For Explosion Proof Motor, Add	*500.00*	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0051	EA			50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)	32,610.38	1,660.40
				For Explosion Proof Motor, Add	*1,250.00*	
22 13 29 13-0052	EA			Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal H12K	85,020.23	2,075.49
22 13 29 13-0053	EA			Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal I10K-M	105,607.21	2,075.49
22 13 29 13-0054				**Polymer Feed Sludge Pumps** *(22 13 29 13-0045)*		
				Note: 230/460 volt		
22 13 29 13-0055	EA			115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA)	33,411.69	1,317.27
				Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.		
				For 75 HP Motor, Add	*17,750.00*	
22 13 29 13-0056	EA			22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)	24,923.23	422.26
				Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
				For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0057	EA			12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)	23,067.75	422.26
				Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
22 13 29 13-0058	EA			8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDAA)	14,748.26	422.26
				Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.		
				For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0059				**Centrifuge Pilot Pumps** *(22 13 29 13-0045)*		
22 13 29 13-0060	EA			Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)	78,129.71	1,245.30
				Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
				For 75 HP Motor, Add	*15,864.00*	
22 13 29 13-0061	EA			620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)	82,573.64	1,245.30
				Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
				For 75 HP Motor, Add	*15,864.00*	
22 13 29 16				**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001				**Submersible Sewage Pumps With Vortex Impeller** *(22 13 29 16)*		
22 13 29 16-0002				**Submersible Sewage Pumps With Cast Iron Vortex Impeller** *(22 13 29 16-0001)*		
22 13 29 16-0003	EA			1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	492.35	51.23
22 13 29 16-0004	EA			1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	649.95	51.23
22 13 29 16-0005	EA			1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	781.95	64.03
22 13 29 16-0006				**Submersible Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)*		
22 13 29 16-0007	EA			1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	744.58	51.23
22 13 29 16-0008	EA			1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	910.68	64.03
22 13 29 16-0009	EA			1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,092.29	103.21
22 13 29 16-0010	EA			2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,193.89	126.14
22 13 29 16-0011				**Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)*		
22 13 29 16-0012	EA			1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,629.81	64.03
22 13 29 16-0013	EA			1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,809.44	111.15
22 13 29 16-0014	EA			2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,335.81	135.84
22 13 29 16-0015	EA			3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,714.76	164.66
22 13 29 16-0016	EA			5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,163.57	193.48
22 13 29 16-0017	EA			7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,299.18	222.29
22 13 29 16-0018				**Submersible Sewage Pumps Accessories** *(22 13 29 16)*		
22 13 29 16-0019	EA			Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump	292.18	59.98
				Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020	EA			Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	697.06	79.98
				Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021	EA			Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	909.84	79.98
				Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022	EA			Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	1,013.58	99.97
				Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023	EA			High-water Alarm For Submersible Sewage Pump	226.25	39.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0024	EA	Float Switch For Submersible Sewage Pump	84.05	20.00
22 13 29 16-0025	EA	Rail System With 2" Discharge For Submersible Sewage Pump	427.83	59.98
22 13 29 16-0026	EA	16 Amperes With NEMA 1 Enclosure, Single Phase Alternating Duplex Control Panel	1,043.28	99.97
22 13 29 16-0027	EA	32 Amperes With NEMA 1 Enclosure, Single Phase Alternating Duplex Control Panel	1,213.75	99.97
22 13 29 16-0028	EA	16 Amperes With NEMA 4 Enclosure, Single Phase Alternating Duplex Control Panel	1,234.89	99.97
22 13 29 16-0029	EA	32 Amperes With NEMA 4 Enclosure, Single Phase Alternating Duplex Control Panel	1,302.18	99.97
22 13 29 16-0030	EA	208/230 Volt With NEMA 4 Enclosure, 3 Phase Alternating Duplex Control Panel	1,950.72	99.97
22 13 29 16-0031	EA	460 Volt With NEMA 4 Enclosure, 3 Phase Alternating Duplex Control Panel	2,031.47	99.97

22 13 29 33 Sewerage Pump Basins And Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	105.02
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	137.02
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	319.99
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	451.68
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	583.38
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	679.46

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	191.37
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	380.68
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	677.46
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	908.79
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,046.11
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	1,104.93
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,296.45
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,504.76

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	636.72	117.42
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	695.41	140.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	754.11	176.09
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,014.81	211.31
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,044.15	234.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,238.96	246.52
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,687.48	255.33
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0010		**Cast Iron Roof Drains With Expansion Joint** *(22 14 26 13-0001)*		
		Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,012.35	117.42
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,097.28	140.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,207.08	176.09
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	1,673.55	211.31
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	1,798.18	234.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0016		**Cast Iron Roof Drains With Flat Bronze Promenade Top** *(22 14 26 13-0001)*		
22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	1,382.57	117.42
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	1,441.26	140.87
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	1,499.96	176.09
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	1,749.61	211.31
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	1,778.95	234.76
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0022		**Cast Iron Scupper Drain With L-Shaped Bronze Grate** *(22 14 26 13-0001)*		
22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	897.77	46.98
		For Galvanized Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	921.25	58.67
		For Galvanized Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	931.92	64.03
		For Galvanized Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	1,311.97	84.87
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	1,349.42	103.61
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0028		**Cast Iron Roof Drain With Flat Cast Iron Grate** *(22 14 26 13-0001)*		
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	700.25	117.42
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	758.94	140.87
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	817.64	176.09
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	755.50	117.42
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	814.19	140.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	872.89	176.09
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,133.59	211.31
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,162.93	234.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	1,357.74	246.52
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	1,806.27	255.33
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0040 Aluminum Roof Drains *(22 14 26 13)*

22 14 26 13-0041 Aluminum Dome Roof Drains *(22 14 26 13-0040)*

22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	776.22	117.42
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	834.91	140.87
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	893.61	176.09
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,183.65	234.55
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	1,378.59	246.52
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	1,826.98	255.33
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0048 Retrofit Roof Drains *(22 14 26 13)*

22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	517.78	140.87
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	585.11	176.09
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	707.67	211.31
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	771.51	234.55

22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	595.42	140.87
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	659.30	176.09
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	787.04	211.31
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	826.73	234.55
22 14 26 13-0059		Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	521.23	140.87
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	588.56	176.09
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	711.12	211.31
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	747.36	234.55
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	309.65	70.44
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	309.65	70.44
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	309.65	70.44
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	479.97	88.05
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	479.97	88.05
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	621.44	88.05
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,248.92	84.80
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,267.21	93.96
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,286.45	103.61
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,306.49	113.61
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,366.74	84.80
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,385.03	93.96
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,404.27	103.61
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,424.31	113.61
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,096.35	84.80
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,114.64	93.96
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,133.88	103.61
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,153.92	113.61
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,580.53	84.80
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,598.82	93.96
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,618.06	103.61
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,638.10	113.61
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,213.71	84.80
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,232.00	93.96
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,251.24	103.61
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,271.28	113.61
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,339.94	84.80
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,358.23	93.96
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,377.47	103.61
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,397.51	113.61
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	977.49	84.80
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	995.78	93.96
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,015.02	103.61
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	574.54	84.80
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	592.83	93.96
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	612.07	103.61
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	918.81	84.80
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	937.10	93.96
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	956.34	103.61
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,037.21	84.80
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,055.50	93.96
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,074.74	103.61
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,959.43	84.80
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,977.72	93.96
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,996.96	103.61
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,849.43	84.80
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,867.72	93.96
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,886.96	103.61
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	758.06	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	776.35	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	795.59	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	454.17	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	472.46	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	491.70	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	716.65	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	734.94	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	754.18	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	672.89	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	369.00	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	631.48	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,212.90	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,231.19	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,250.43	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	836.87	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	855.16	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	874.40	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,161.47	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,179.76	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,199.00	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,012.53	84.80
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,030.82	93.96
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,050.06	103.61
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,127.72	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	751.69	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,076.29	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	927.35	42.26
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	4,150.89	204.38
		For Explosion Proof Motor, Add	*193.21*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	4,381.69	247.37
		For Explosion Proof Motor, Add	*214.79*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	5,003.08	293.88
		For Explosion Proof Motor, Add	*277.48*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	5,326.60	361.54
		For Explosion Proof Motor, Add	*314.48*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	5,622.45	391.85
		For Explosion Proof Motor, Add	*459.38*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	6,666.06	470.07
		For Explosion Proof Motor, Add	*521.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	7,861.33	502.93
		For Explosion Proof Motor, Add	*854.02*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	9,519.24	621.70
		For Explosion Proof Motor, Add	*1,133.55*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	10,272.36	725.06
		For Explosion Proof Motor, Add	*1,469.61*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	13,804.12	870.39
		For Explosion Proof Motor, Add	*1,914.61*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	19,156.42	966.76
		For Explosion Proof Motor, Add	*3,034.80*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	659.26	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	721.39	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	789.37	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	947.79	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,059.38	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,078.66	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,210.91	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	1,325.02	

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	506.79	28.18
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	561.06	31.69
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	778.52	42.26
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,129.69	49.31
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	1,211.08	51.06
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	1,294.92	52.83
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	1,649.60	63.40
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	2,234.45	70.44
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	2,983.27	88.05
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	3,601.84	96.85

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

Note: Includes 25' of cord with pumps unless otherwise noted.

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	273.26	45.87
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	303.53	45.87
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	444.12	48.55
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	479.46	48.55

22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)*

22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	710.08	48.55
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	771.03	48.55
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	810.19	53.51
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	873.28	53.51
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	912.42	61.16
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	975.51	61.16
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	984.78	72.63
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,036.78	72.63

22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*

22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	695.33	45.87
22 14 29 16-0018	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	795.33	48.55
22 14 29 16-0019	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	948.63	51.23
22 14 29 16-0020	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,002.45	53.51
22 14 29 16-0021	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,143.50	61.16
22 14 29 16-0022	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,332.16	72.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

22 15 13 00-0001 Quick Disconnect, Air-Service *(22 15 13)*

22 15 13 00-0002 Combination Steel And Brass *(22 15 13 00-0001)*

22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	36.47	10.71
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	40.65	12.99

22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters *(22 15 13)*

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	596.09	63.04
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	680.13	64.79
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	871.56	66.54
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,016.94	70.05
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,131.09	78.81
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,255.23	89.66
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,782.59	113.82
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,003.41	133.09
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,178.78	142.19
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,367.01	157.60
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,666.56	175.12
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,968.81	192.63
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,121.64	213.64
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,647.14	227.65
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,405.87	236.41
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,214.29	245.16
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,800.62	253.91
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,320.87	262.67
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	7,068.92	280.18
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,253.72	350.23
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,445.61	420.27
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,630.40	490.32
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,689.35	560.37

22 15 13 00-0029 Oil And Water Separator For Air Compressor *(22 15 13)*

22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator	564.78	24.48
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator	758.31	28.68
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator	886.80	32.51
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator	1,114.46	38.24
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator	1,324.47	45.89
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator	2,668.68	95.61

22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator *(22 15 13)*

22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	91.71	21.01
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	128.55	28.01
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	224.20	35.03
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	278.02	52.54
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	392.94	61.29
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	410.45	70.05

22 15 13 00-0043 Heatless Desiccant Air Dryers *(22 15 13)*

22 15 13 00-0044	EA	5 SCFM Heatless Desiccant Air Dryer	2,197.62	63.04
22 15 13 00-0045	EA	10 SCFM Heatless Desiccant Air Dryer	2,644.41	70.05
22 15 13 00-0046	EA	15 SCFM Heatless Desiccant Air Dryer	2,667.82	77.05
22 15 13 00-0047	EA	20 SCFM Heatless Desiccant Air Dryer	3,047.41	87.55
22 15 13 00-0048	EA	30 SCFM Heatless Desiccant Air Dryer	4,203.63	105.07
22 15 13 00-0049	EA	50 SCFM Heatless Desiccant Air Dryer	4,138.04	140.09
22 15 13 00-0050	EA	85 SCFM Heatless Desiccant Air Dryer	5,562.98	175.12
22 15 13 00-0051	EA	100 SCFM Heatless Desiccant Air Dryer	5,894.60	210.14
22 15 13 00-0052	EA	125 SCFM Heatless Desiccant Air Dryer	6,746.69	245.16
22 15 13 00-0053	EA	175 SCFM Heatless Desiccant Air Dryer	7,747.71	280.18
22 15 13 00-0054	EA	200 SCFM Heatless Desiccant Air Dryer	8,320.64	315.21
22 15 13 00-0055	EA	300 SCFM Heatless Desiccant Air Dryer	10,187.35	350.23
22 15 13 00-0056	EA	400 SCFM Heatless Desiccant Air Dryer	11,305.00	420.27
22 15 13 00-0057	EA	500 SCFM Heatless Desiccant Air Dryer	13,064.51	490.32
22 15 13 00-0058	EA	600 SCFM Heatless Desiccant Air Dryer	15,076.46	560.37

22 15 13 00-0059 Air Cooled Aftercoolers *(22 15 13)*

22 15 13 00-0060	EA	20 SCFM Air-Cooled Aftercooler	544.12	43.78
22 15 13 00-0061	EA	35 SCFM Air-Cooled Aftercooler	737.53	52.54
22 15 13 00-0062	EA	43 SCFM Air-Cooled Aftercooler	808.75	61.29
22 15 13 00-0063	EA	70 SCFM Air-Cooled Aftercooler	990.08	70.05
22 15 13 00-0064	EA	125 SCFM Air-Cooled Aftercooler	1,386.26	78.81
22 15 13 00-0065	EA	185 SCFM Air-Cooled Aftercooler	1,556.86	87.55
22 15 13 00-0066	EA	260 SCFM Air-Cooled Aftercooler	3,038.61	105.07
22 15 13 00-0067	EA	365 SCFM Air-Cooled Aftercooler	3,171.93	122.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0068	EA	560 SCFM Air-Cooled Aftercooler	3,304.17	140.09
22 15 13 00-0069	EA	650 SCFM Air-Cooled Aftercooler	3,877.39	157.60
22 15 13 00-0070	EA	750 SCFM Air-Cooled Aftercooler	4,237.90	175.12
22 15 13 00-0071	EA	900 SCFM Air-Cooled Aftercooler	4,862.69	192.63
22 15 13 00-0072	EA	1,100 SCFM Air-Cooled Aftercooler	6,256.62	210.14
22 15 13 00-0073	EA	1,460 SCFM Air-Cooled Aftercooler	7,161.24	227.65
22 15 13 00-0074	EA	1,800 SCFM Air-Cooled Aftercooler	7,390.97	245.16
22 15 13 00-0075	EA	2,500 SCFM Air-Cooled Aftercooler	7,925.52	262.67
22 15 13 00-0076		Compressed Air Coalescing Filters *(22 15 13)*		
22 15 13 00-0077		Coalescing Filters, 1, 2 And 3 Stage Type *(22 15 13 00-0076)*		
22 15 13 00-0078	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", DX	175.79	28.18
22 15 13 00-0079	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", BX	134.58	28.18
22 15 13 00-0080	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", DX	212.00	28.18
22 15 13 00-0081	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", BX	158.30	28.18
22 15 13 00-0082	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", DX	175.79	28.18
22 15 13 00-0083	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", BX	134.58	28.18
22 15 13 00-0084	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", DX	372.47	28.18
22 15 13 00-0085	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", BX	372.47	28.18
22 15 13 00-0086	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", CI	372.47	28.18
22 15 13 00-0087	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", DX	372.47	28.18
22 15 13 00-0088	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", BX	372.47	28.18
22 15 13 00-0089	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", CI	372.47	28.18
22 15 13 00-0090	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", DX	403.72	35.22
22 15 13 00-0091	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", BX	403.72	35.22
22 15 13 00-0092	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A917A, 1/2", CI	499.74	35.22
22 15 13 00-0093	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", DX	1,253.73	45.78
22 15 13 00-0094	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", BX	1,253.73	45.78
22 15 13 00-0095	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", CI	915.49	45.78
22 15 13 00-0096	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", DX	1,253.73	45.78
22 15 13 00-0097	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", BX	1,253.73	45.78
22 15 13 00-0098	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", CI	915.49	45.78
22 15 13 00-0099	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", DX	1,253.73	45.78
22 15 13 00-0100	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", BX	1,253.73	45.78
22 15 13 00-0101	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", CI	915.49	45.78
22 15 13 00-0102	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", DX	1,684.48	45.78
22 15 13 00-0103	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", BX	1,684.48	45.78
22 15 13 00-0104	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", CI	1,219.04	45.78
22 15 13 00-0105	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", DX	2,859.08	56.35
22 15 13 00-0106	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", BX	2,859.08	56.35
22 15 13 00-0107	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", CI	2,304.02	56.35
22 15 13 00-0108	EA	Coalescing Filters, AKCU-0280, 3", DX	5,361.38	84.52
22 15 13 00-0109	EA	Coalescing Filters, AKCU-0280, 3", BX	7,180.05	84.52
22 15 13 00-0110	EA	Coalescing Filters, AKCU-0280, 3", CI	11,369.92	84.52
22 15 13 00-0111	EA	Coalescing Filters, AKC-0280, 3", DX	5,424.80	116.22
22 15 13 00-0112	EA	Coalescing Filters, AKC-0280, 3", BX	7,243.47	116.22
22 15 13 00-0113	EA	Coalescing Filters, AKC-0280, 3", CI	11,433.34	116.22
22 15 13 00-0114	EA	Coalescing Filters, AKH-0280, 3", DX	5,474.08	140.87
22 15 13 00-0115	EA	Coalescing Filters, AKH-0280, 3", BX	7,292.75	140.87
22 15 13 00-0116	EA	Coalescing Filters, AKH-0280, 3", CI	11,482.62	140.87
22 15 13 00-0117	EA	Coalescing Filters, AKC-0480, 4", DX	9,668.10	179.54
22 15 13 00-0118	EA	Coalescing Filters, AKC-0480, 4", BX	14,655.34	179.54
22 15 13 00-0119	EA	Coalescing Filters, AKC-0480, 4", CI	14,933.69	179.54
22 15 13 00-0120	EA	Coalescing Filters, AKH-0480, 4", DX	9,724.45	207.78
22 15 13 00-0121	EA	Coalescing Filters, AKH-0480, 4", BX	14,711.69	207.78
22 15 13 00-0122	EA	Coalescing Filters, AKH-0480, 4", CI	14,990.04	207.78
22 15 13 00-0123	EA	Coalescing Filters, AKC-0880, 6", DX	15,573.57	225.33
22 15 13 00-0124	EA	Coalescing Filters, AKC-0880, 6", BX	19,826.22	225.33
22 15 13 00-0125	EA	Coalescing Filters, AKC-0880, 6", CI	20,713.59	225.33
22 15 13 00-0126	EA	Coalescing Filters, AKH-0880, 6", DX	15,629.89	253.49
22 15 13 00-0127	EA	Coalescing Filters, AKH-0880, 6", BX	19,882.54	253.49
22 15 13 00-0128	EA	Coalescing Filters, AKH-0880, 6", CI	20,769.91	253.49
22 15 13 00-0129	EA	Coalescing Filters, AKC-1480, 8", DX	24,889.92	299.14
22 15 13 00-0130	EA	Coalescing Filters, AKC-1480, 8", BX	38,411.76	299.14
22 15 13 00-0131	EA	Coalescing Filters, AKC-1480, 8", CI	39,680.02	299.14
22 15 13 00-0132	EA	Coalescing Filters, AKH-1480, 8", DX	24,918.25	313.30
22 15 13 00-0133	EA	Coalescing Filters, AKH-1480, 8", BX	38,440.09	313.30
22 15 13 00-0134	EA	Coalescing Filters, AKH-1480, 8", CI	39,708.35	313.30
22 15 13 00-0135	EA	Coalescing Filters, AKC-2280, 10", DX	34,072.54	369.93
22 15 13 00-0136	EA	Coalescing Filters, AKC-2280, 10", BX	49,892.32	369.93
22 15 13 00-0137	EA	Coalescing Filters, AKC-2280, 10", CI	52,202.81	369.93
22 15 13 00-0138	EA	Coalescing Filters, AKH-2280, 10", DX	34,163.27	415.29
22 15 13 00-0139	EA	Coalescing Filters, AKH-2280, 10", BX	49,983.05	415.29
22 15 13 00-0140	EA	Coalescing Filters, AKH-2280, 10", CI	52,293.54	415.29
22 15 13 00-0141		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0076)*		
22 15 13 00-0142	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	184.00	24.86
22 15 13 00-0143	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	221.60	24.86
22 15 13 00-0144	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	241.33	28.68
22 15 13 00-0145	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	277.94	32.89
22 15 13 00-0146	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	325.11	36.33
22 15 13 00-0147	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	367.26	43.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0148	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	447.02	47.80
22 15 13 00-0149	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	479.97	57.37
22 15 13 00-0150	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	614.89	76.48
22 15 13 00-0151	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	703.84	86.04
22 15 13 00-0152		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0076)*		
22 15 13 00-0153	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	226.97	24.86
22 15 13 00-0154	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	245.35	28.68
22 15 13 00-0155	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	281.70	32.89
22 15 13 00-0156	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	332.63	32.51
22 15 13 00-0157	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	375.86	43.97
22 15 13 00-0158	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	427.28	47.80
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	489.64	57.37
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	631.01	76.48
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	725.32	86.04
22 15 13 00-0162		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0163		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0162)*		
22 15 13 00-0164	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	300.07	56.04
22 15 13 00-0165	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	485.62	61.29
22 15 13 00-0166	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	514.61	64.44
22 15 13 00-0167	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	587.31	70.05
22 15 13 00-0168	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	766.14	94.56
22 15 13 00-0169	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	926.45	105.07
22 15 13 00-0170	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,395.77	122.58
22 15 13 00-0171	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	2,088.80	140.09
22 15 13 00-0172	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,330.05	148.85
22 15 13 00-0173	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,378.35	157.60
22 15 13 00-0174	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	4,455.11	183.87
22 15 13 00-0175	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	6,416.61	218.90
22 15 13 00-0176		Vertical Compressed Air Storage Tanks *(22 15 13 00-0162)*		
22 15 13 00-0177	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	452.43	56.04
22 15 13 00-0178	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	474.28	61.29
22 15 13 00-0179	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	514.61	64.44
22 15 13 00-0180	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	609.77	70.05
22 15 13 00-0181	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	833.53	94.56
22 15 13 00-0182	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	958.91	105.07
22 15 13 00-0183	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	1,325.20	122.58
22 15 13 00-0184	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	1,943.36	140.09
22 15 13 00-0185	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	2,144.67	148.85
22 15 13 00-0186	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	2,924.56	157.60
22 15 13 00-0187	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	3,750.83	183.87
22 15 13 00-0188	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	4,897.65	201.39
22 15 13 00-0189	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	8,158.56	227.65

22 15 19 General Service Packaged Air Compressors And Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001		Single Stage Compressor *(22 15 19 13)* Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,100.47	248.53
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,191.96	286.84
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,500.27	338.74
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,849.64	373.77
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,491.76	394.78
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,732.06	408.79
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,190.15	467.21
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	4,494.90	495.23
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	5,396.32	560.65
22 15 19 13-0011		Two Stage Compressor *(22 15 19 13)* Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	4,019.90	436.81
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	4,311.19	513.93
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	4,504.06	560.65
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	5,132.42	747.54
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	5,538.85	747.54
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	5,934.10	934.42
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	6,302.73	934.42
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	8,084.00	1,155.77
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	8,669.54	1,190.78
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	9,366.41	1,391.68
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	14,171.20	1,575.34
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	15,214.13	1,780.09
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	16,959.71	1,967.39

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	18,448.64	2,156.17

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	6,849.89	610.34
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	7,618.97	813.80
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	9,773.72	1,020.31
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,278.03	1,300.24
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	12,901.55	1,529.69
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,678.24	1,720.91
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,175.14	1,912.12
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,692.87	2,141.57
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	22,757.89	2,294.54
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,566.34	2,472.74
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,352.21	2,676.97
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	37,033.51	2,829.93
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	59,728.34	3,059.39
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	74,617.57	3,307.96
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	86,733.80	3,560.36
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	113,017.19	3,824.24
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	128,457.90	4,068.98

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	8,539.60	813.80
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	9,084.03	813.80
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	10,206.63	1,020.31
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	10,802.10	1,020.31
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	11,516.22	1,300.24
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	12,145.72	1,300.24
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	13,098.16	1,529.69
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	13,778.70	1,529.69
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	22,846.63	1,720.91
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	24,598.74	1,912.12
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	26,180.70	2,141.57

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,990.05	193.70
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	3,125.39	202.50
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,374.64	211.31
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,888.49	220.11
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	4,145.34	228.92

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,492.41	211.31
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,725.23	220.11
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,983.35	228.92
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,927.60	237.72
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	6,592.06	246.52
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	8,033.78	255.33
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	6,839.25	220.11
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	7,088.51	228.92
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	8,035.29	237.72
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	8,699.75	246.52
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	10,219.96	255.33
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	13,492.15	264.14
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	15,789.61	272.94
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	16,579.74	255.33
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	19,159.49	264.14
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	21,426.57	272.94
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	26,987.46	281.74
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	29,886.22	290.55
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	11,230.44	330.17
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	11,729.02	343.37
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	13,361.83	356.59
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	14,612.35	369.79
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	17,849.04	383.00
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	23,665.60	396.20
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	27,864.35	409.41
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	30,462.27	383.00
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	35,002.82	396.20
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	39,342.08	409.41
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	50,076.57	422.61
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	55,917.18	435.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	3,925.56	290.55
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	4,187.42	303.75
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	4,569.54	316.96
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	5,492.20	330.17
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	6,078.13	343.37
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,725.38	316.96
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	8,146.75	330.17
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,770.66	343.37
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	10,045.23	356.59
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,338.78	369.79
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	14,209.64	383.00

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,546.11	124.28
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,576.61	133.85
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,678.02	143.41
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,857.91	152.97
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,913.74	162.53
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,320.22	172.09
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	6,524.34	181.65
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	7,590.34	191.21
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	9,637.41	200.77
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	10,690.74	210.34
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	7.81	1.53
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	7.81	1.53
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	7.81	1.53
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	6.54	1.53
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	8.12	1.53
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	8.12	1.53
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	8.76	1.53
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	10.97	1.53
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	8.76	1.53
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	10.34	1.53
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	10.34	1.53
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	10.34	1.53
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	11.29	1.53
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	14.77	1.53
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	13.50	1.53
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	13.50	1.53
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	14.77	1.53

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0033		Pleated Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	13.82	1.53
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	13.82	1.53
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	14.14	1.53
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	15.09	1.53
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	22.68	1.53
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	21.73	1.53
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	21.73	1.53
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	21.73	1.53
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	28.69	1.53
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	40.72	1.53
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	34.07	1.53
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	47.37	1.53
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	49.26	1.53
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	55.59	1.53
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,217.47	114.73
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	397.38	1.53
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	82.49	1.53
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	81.86	1.53
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	81.86	1.53
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	93.89	1.53
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	218.26	1.53
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	204.97	1.53
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	223.32	1.53
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	234.08	1.53
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	249.27	1.53
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	270.16	1.53

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	318.74	38.22
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	360.71	38.22

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	424.13	57.34
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	461.08	76.45
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	781.48	133.79
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,179.17	152.91
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	854.23	76.45
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,168.51	114.68
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	1,290.91	152.91
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	1,339.55	152.91
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	1,385.50	152.91
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	1,453.06	152.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30		**Residential, Electric Domestic Water Heaters** *(22 33)*		
22 33 30 13		**Residential, Small-Capacity Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	597.50	120.41
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	731.70	128.06
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	862.08	133.79
22 33 30 16		**Residential, Storage Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	920.20	133.79
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	866.74	137.62
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	853.58	141.43
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	951.43	143.35
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	1,376.39	147.18
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	1,402.72	152.91
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	1,862.04	162.47
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	986.94	133.79
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	941.07	137.62
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	996.28	141.43
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)* Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,019.03	137.62
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	1,112.22	141.43
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	1,365.91	147.18
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	1,484.40	152.91
22 33 30 16-0018		Water Heater Accessories *(22 33 30 16)*		
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	77.79	7.64
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	91.74	7.64
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	177.89	7.64
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	238.52	7.64
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	44.62	5.73
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	48.61	5.73
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	51.28	5.73
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	60.60	5.73
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	24.58	5.73
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	26.71	5.73
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	29.71	5.73
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	33.56	5.73
22 33 33		**Light-Commercial Electric Domestic Water Heaters** *(22 33)*		
22 33 33 00-0001		Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)* Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	4,680.54	133.79
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	4,866.35	133.79
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	5,067.65	133.79
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	5,105.88	152.91
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	5,338.15	152.91
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	5,709.77	152.91
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	5,957.52	152.91
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	6,158.82	152.91
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	6,375.60	152.91
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	5,570.41	152.91
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	5,787.19	152.91
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	6,034.94	152.91
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	6,236.24	152.91
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	6,453.02	152.91
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	8,047.91	152.91
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	6,064.94	191.13
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	6,266.24	191.13
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	6,513.99	191.13
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	6,730.77	191.13
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	8,341.14	191.13
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	9,084.39	191.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	9,812.15	191.13
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	7,008.51	229.36
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	7,209.81	229.36
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	7,411.11	229.36
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	7,627.89	229.36
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	9,284.71	229.36
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	10,027.96	229.36
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	10,755.73	229.36
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	12,071.90	229.36
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	12,660.30	229.36
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	14,704.23	229.36
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	17,336.57	229.36
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	21,765.10	229.36
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	7,873.70	305.81
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	8,105.97	305.81
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,322.75	305.81
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,508.56	305.81
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,149.90	305.81
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	10,893.15	305.81
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,605.43	305.81
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	12,952.57	305.81
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,525.49	305.81
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,584.91	305.81
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,232.73	305.81
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,645.77	305.81
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	8,801.80	344.04
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,018.58	344.04
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,204.40	344.04
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	10,861.22	344.04
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,527.05	344.04
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,301.27	344.04
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,648.40	344.04
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,236.81	344.04
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,172.35	344.04
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	18,928.57	344.04
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,341.61	344.04
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	9,900.21	382.26
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,147.96	382.26
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	11,758.33	382.26
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,501.58	382.26
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,229.34	382.26
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,545.51	382.26
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,149.40	382.26
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,177.85	382.26
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	19,810.19	382.26
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,254.20	382.26
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,610.56	458.71
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	10,827.34	458.71
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,437.71	458.71
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,149.99	458.71
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	13,908.72	458.71
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,224.89	458.71
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	15,782.33	458.71
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	17,872.72	458.71
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,520.54	458.71
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	24,918.10	458.71

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,227.53	133.79
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,325.08	133.79
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,436.09	152.91
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,550.96	152.91
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	2,937.10	191.13
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,245.82	229.36
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	3,843.71	344.04

22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	29.33
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	42.69

22 33 33 00-0090 Removal And Reinstallation Of Water Heater *(22 33 33)*

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	254.84
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	764.52

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13		**Instantaneous, Tankless, Gas Domestic Water Heaters** *(22 34)*		
22 34 13 00-0001		Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*		
22 34 13 00-0002		Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
		Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,289.08	152.91
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,395.91	154.82
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,534.67	158.64
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,795.00	162.47
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,181.36	172.01
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,228.18	172.01
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,392.09	152.91
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,181.36	172.01
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	963.16	147.18
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	945.54	150.99
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,260.87	154.82
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	1,365.21	158.64
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,491.69	162.47
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,211.00	172.01
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,769.99	150.99
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,018.95	154.82
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,628.98	158.64
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,607.00	150.99
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,674.10	154.82
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)*		
		Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,479.15	229.36
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	4,778.42	267.58
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	5,915.64	305.81
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,111.59	305.81
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	5,882.80	305.81
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	7,854.44	336.39
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	5,690.83	344.04
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	8,458.34	378.43
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	5,779.94	344.04
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	8,065.84	378.43
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	6,399.59	420.49
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	8,817.49	462.54
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,205.81	420.49
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	8,870.53	462.54
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	6,964.06	458.71
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	9,792.67	504.59
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	8,862.88	458.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	11,617.27	504.59
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,570.15	496.94
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,775.54	267.58
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	6,932.30	294.34
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,000.51	305.81
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,196.74	336.39
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,443.02	191.13
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,580.93	191.13

22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	347.51	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	918.90	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,641.10	229.36
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,221.72	229.36
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,369.60	267.58
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,626.39	305.81
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,658.21	305.81
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	6,806.73	305.81
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	7,992.35	336.39
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,509.07	344.04
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,243.35	378.43
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	7,863.51	420.49
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	9,644.93	462.54
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	8,033.24	420.49
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	9,751.01	462.54
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	9,011.40	458.71
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	10,598.88	504.59
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	10,931.47	458.71
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	12,614.43	504.59

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	2,813.67	229.36
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	3,789.62	229.36
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	4,595.84	229.36
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	6,636.05	252.29
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	6,793.93	267.58
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	8,576.56	294.34
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	6,891.59	305.81
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	8,830.39	336.39
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	7,965.22	344.04
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	9,699.50	378.43
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	12,700.07	462.54
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	13,346.40	504.59
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	15,361.18	546.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26		**Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 26-0001		Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*		
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	28,585.90	883.77
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	40,615.08	976.80
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	44,103.32	1,023.31
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	47,761.74	1,116.35
22 34 36 26-0006		Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	25,262.76	883.77
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	27,908.36	976.80
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	30,548.97	1,023.31
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	33,186.93	1,116.35
22 34 36 26-0011		Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,320.00	418.63
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,948.94	465.14
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,150.91	558.17
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,674.15	581.43
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	12,811.88	697.72
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,820.81	837.26
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	18,043.34	883.77
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,022.46	953.55
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,891.69	1,000.06
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,539.24	1,023.31
22 34 36 26-0022		Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	21,257.62	697.72
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,342.68	837.26
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,364.35	953.55
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,295.73	1,000.06
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,828.90	1,023.31
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	27,008.94	837.26
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	32,724.10	953.55
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,717.19	1,023.31
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 11		**Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 11-0001		Oil-Fired Domestic Water Heaters (Bock) *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,475.07	147.18
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,454.33	147.18
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,520.96	147.18
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,608.01	150.99
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,061.95	154.82
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,732.47	154.82
22 34 46 11-0008		Oil Fired Commercial Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E)	2,394.73	229.36
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	2,828.51	229.36
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	2,845.19	229.36
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,107.91	305.81
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	5,650.15	382.26
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	7,136.79	420.49
22 35		Domestic Water Heat Exchangers *(22 30)*		
22 35 23		**Circulating, Domestic Water Heat Exchangers** *(22 35)*		
22 35 23 13		**Circulating, Compact Domestic Water Heat Exchangers** *(22 35 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0001		**Steam Driven Water Heaters** *(22 35 23 13)*		
22 35 23 13-0002		**Constant Flow** *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	8,046.47	382.26
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	10,068.88	468.42
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	12,876.32	612.61
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	17,372.56	853.28
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	25,325.76	1,405.35
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	27,471.80	1,592.73
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	36,582.15	1,837.76
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	44,099.40	2,171.93
22 35 23 13-0011		**Variable Flow** *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	11,764.34	745.41
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	13,195.89	910.17
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	16,799.64	1,176.90
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	21,823.50	1,642.04
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	31,943.47	2,746.17
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	39,545.43	3,024.22
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	45,732.31	3,539.44
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	58,446.72	4,228.58
22 35 23 13-0020		**Aerco Steam Fired Water Heaters** *(22 35 23 13-0001)* Note: For 5 to 15 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.		
22 35 23 13-0021	EA	10 GPM, B+04/2.00/ Pneumatic Aerco Steam Fired Water Heater	22,661.23	802.74
22 35 23 13-0022	EA	20 GPM, B+05/2.50/ Pneumatic Aerco Steam Fired Water Heater	26,790.98	1,070.33
22 35 23 13-0023	EA	30 GPM, B+07/3.00/ Pneumatic Aerco Steam Fired Water Heater	29,922.75	1,254.29
22 35 23 13-0024	EA	40 GPM, B+09/4.00/ Pneumatic Aerco Steam Fired Water Heater	31,468.94	1,505.15
22 35 23 13-0025	EA	50 GPM, B+11/4.00/ Pneumatic Aerco Steam Fired Water Heater	36,421.11	2,006.86
22 35 23 13-0026		**Pneumatic Temperature Control Valve** *(22 35 23 13-0001)* Note: For aerco steam fired water heaters. For 30 to 50 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.		
22 35 23 13-0027	EA	10 GPM, B+03/1.00/ Pneumatic Temperature Control Valve	20,576.94	802.74
22 35 23 13-0028	EA	20 GPM, B+04/1.25/ Pneumatic Temperature Control Valve	22,287.68	1,003.43
22 35 23 13-0029	EA	30 GPM, B+05/1.25/ Pneumatic Temperature Control Valve	23,799.30	1,254.29
22 35 23 13-0030	EA	40 GPM, B+06/2.00/ Pneumatic Temperature Control Valve	26,265.14	1,505.14
22 35 23 13-0031	EA	50 GPM, B+07/2.00/ Pneumatic Temperature Control Valve	28,473.91	2,006.86
22 35 23 13-0032	EA	60 GPM, B+10/2.00/ Pneumatic Temperature Control Valve	32,320.18	2,508.56
22 35 23 13-0033	EA	70 GPM, B+11/2.50/ Pneumatic Temperature Control Valve	37,109.94	3,010.27
22 35 23 13-0034	EA	80 GPM, B+14/2.50/ Pneumatic Temperature Control Valve	41,197.53	3,511.99
22 35 23 13-0035		**Aerco Water To Water Heaters** *(22 35 23 13-0001)* Note: For 180 F to 200 F boiled water. Air compressor not required.		
22 35 23 13-0036	EA	10 GPM, WW3E+06/1.50/ Self-Contained Temperature Control Valve	28,663.89	802.74
22 35 23 13-0037	EA	20 GPM, WW3E+08/2.00/ Self-Contained Temperature Control Valve	31,925.77	1,003.43
22 35 23 13-0038	EA	30 GPM, WW3E+10/2.50/ Self-Contained Temperature Control Valve	37,488.62	1,254.29
22 35 23 13-0039	EA	40 GPM, WW3E+12/2.50/ Self-Contained Temperature Control Valve	40,554.90	2,006.83
22 35 23 13-0040	EA	50 GPM, WW3E+14/3.00/ Self-Contained Temperature Control Valve	45,779.68	2,006.86
22 35 23 13-0041	EA	60 GPM, WW3E+15/3.00/ Self-Contained Temperature Control Valve	48,797.75	2,508.56
22 35 23 13-0042	EA	70 GPM, WW3E+17/3.00/ Self-Contained Temperature Control Valve	52,393.53	3,010.27
22 35 23 13-0043		**Compressor For Steam Fired Hot Water Heaters** *(22 35 23 13)* Note: Includes regulator and filter.		
22 35 23 13-0044	EA	1/2 HP, 2 Gallon Tank, 125 PSI, 115 Volt, Air Compressor	1,059.36	248.67

22 40 Plumbing Fixtures *(22)*

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 39 Residential Faucets, Supplies, And Trim *(22 41)*

22 41 39 00-0001		**Residential Kitchen Faucets** *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	132.73	35.22
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	153.35	35.22
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	153.35	35.22
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	147.66	35.22
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	158.74	35.22
22 41 39 00-0007		**Residential Lavatory Faucets** *(22 41 39)*		
22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	121.27	25.35
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	121.27	25.35
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	87.35	25.35
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 41 39 00-0011 Residential Bath And Shower Faucets *(22 41 39)*

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	157.90	30.56
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	186.11	30.56
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	145.60	30.56
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	160.80	30.56
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	179.28	19.12
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	149.06	19.12
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	185.15	19.12

22 41 39 00-0019 Residential Laundry Faucets *(22 41 39)*

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	104.44	22.48

22 41 39 00-0021 Residential Laundry/Wash Basin Faucets *(22 41 39)*

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	105.29	22.48
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	150.54	24.77

22 41 39 00-0024 Other Residential Faucets *(22 41 39)*

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	27.81	5.73

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, And Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	489.92	73.25
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	483.53	73.25
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®)	613.37	73.25
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	838.28	73.25
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	733.98	73.25
22 42 13 13-0008	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	526.34	73.25

22 42 13 13-0009 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	558.36	90.16
22 42 13 13-0011	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	736.44	90.16
22 42 13 13-0012	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	980.50	90.16
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	639.02	90.16
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	515.75	90.16
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	551.47	90.16

22 42 13 13-0016 Floor Mounted Elongated Handicapped Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	498.67	73.25
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	514.28	73.25
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	583.10	73.25
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	668.24	73.25
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	664.69	73.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0022	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	936.43	73.25
22 42 13 13-0023	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	766.15	73.25
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	568.78	73.25
22 42 13 13-0025		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0026	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	3,703.78	158.49
22 42 13 13-0027	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	3,913.69	158.49
22 42 13 13-0028		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0029		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0028)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0030	EA	Pipe Grip Adaptor Type, Water Closet Carrier	394.30	37.19
22 42 13 13-0031		**No-Hub, Water Closet Carriers** *(22 42 13 13-0028)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0032	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	613.95	37.19
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-53.90*	
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For Auxiliary Inlet, Add	*150.47*	
		For Special Duty 500 LB Carrier, Add	*255.86*	
22 42 13 13-0033	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	613.95	37.19
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-53.90*	
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For Auxiliary Inlet, Add	*150.47*	
		For Special Duty 500 LB Carrier, Add	*255.86*	
22 42 13 13-0034	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	671.08	37.19
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-53.90*	
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For Auxiliary Inlet, Add	*150.47*	
		For Horizontal No Hub Cast Long Barrel, Add	*155.29*	
		For Carrier For Wide Chase Installations, Add	*203.58*	
		For Special Duty 1,000 LB Carrier, Add	*255.86*	
22 42 13 13-0035	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	744.30	37.19
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-53.90*	
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For 4" Branch, Add	*119.09*	
		For Auxiliary Inlet, Add	*150.47*	
		For Carrier For Wide Chase Installations, Add	*203.58*	
		For Double 4" Branches, Add	*238.97*	
		For Special Duty 1,000 LB Carrier, Add	*255.86*	
22 42 13 13-0036	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,023.21	54.59
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.79*	
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For Auxiliary Inlet, Add	*161.03*	
		For Special Duty 500 LB Carrier, Add	*511.71*	
22 42 13 13-0037	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,052.18	54.59
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.79*	
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For Auxiliary Inlet, Add	*161.03*	
		For Special Duty 500 LB Carrier, Add	*511.71*	
22 42 13 13-0038	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,283.10	54.59
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.79*	
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For 4" Branch, Add	*124.37*	
		For Auxiliary Inlet, Add	*161.03*	
		For Double 4" Branches, Add	*249.53*	
		For Carrier For Wide Chase Installations, Add	*438.86*	
		For Special Duty 1,000 LB Carrier, Add	*511.73*	
22 42 13 13-0039	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,207.46	54.59
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.79*	
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For Horizontal No Hub Cast Long Barrel, Add	*160.57*	
		For Carrier For Wide Chase Installations, Add	*438.86*	
		For Special Duty 1,000 LB Carrier, Add	*511.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0040		**Hub And Spigot, Water Closet Carriers** *(22 42 13 13-0028)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0041	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	613.95	37.19
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For Hanger Type Closet Adapter, Add	*115.06*	
		For Auxiliary Inlet, Add	*150.47*	
22 42 13 13-0042	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	613.95	37.19
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For Auxiliary Inlet, Add	*150.47*	
		For Special Duty 500 LB Carrier, Add	*255.86*	
22 42 13 13-0043	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	771.65	37.19
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-53.90*	
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For 4" Branch, Add	*119.09*	
		For Auxiliary Inlet, Add	*150.47*	
		For Carrier For Wide Chase Installations, Add	*203.58*	
		For Double 4" Branches, Add	*238.97*	
		For Special Duty 1,000 LB Carrier, Add	*255.86*	
22 42 13 13-0044	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,023.21	54.59
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For Auxiliary Inlet, Add	*161.03*	
		For Hanger Type Closet Adapter, Add	*230.11*	
22 42 13 13-0045	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,310.45	54.59
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.79*	
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For 4" Branch, Add	*124.37*	
		For Auxiliary Inlet, Add	*161.03*	
		For Double 4" Branches, Add	*249.53*	
		For Carrier For Wide Chase Installations, Add	*438.86*	
		For Special Duty 1,000 LB Carrier, Add	*511.73*	
22 42 13 13-0046		**Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers** *(22 42 13 13-0028)* Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0047	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	473.15	37.19
		For Positioning Frame, Add	*34.60*	
		For Supply Pipe Support, Add	*35.40*	
		For Vandal Proof Trim, Add	*45.87*	
		For Hanger Type Closet Adapter, Add	*115.06*	
22 42 13 13-0048		**Institutional Water Closet Carriers** *(22 42 13 13-0028)* Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0049	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,683.79	54.59
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.79*	
		For Positioning Frame, Add	*74.48*	
		For Supply Pipe Support, Add	*76.10*	
		For Vandal Proof Trim, Add	*91.73*	
		For Auxiliary Inlet, Add	*161.03*	
22 42 13 13-0050		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0051	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	322.35	
22 42 13 13-0052	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	322.35	
22 42 13 13-0053	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	248.00	
22 42 13 13-0054	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	248.00	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		**Vitreous China Urinals** *(22 42 13 16)* Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		**Wall Hung Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	437.98	75.37
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	566.45	75.37
22 42 13 16-0005	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	632.78	75.37
22 42 13 16-0006	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	564.35	75.37
22 42 13 16-0007	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	455.73	75.37
22 42 13 16-0008	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	583.23	75.37
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	479.40	75.37
22 42 13 16-0010		**Floor Mounted Urinals** *(22 42 13 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0011	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	772.87	95.09
22 42 13 16-0012	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	341.65	17.61
22 42 13 16-0013	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	298.75	17.61
22 42 13 16-0014	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	943.35	95.09
22 42 13 16-0015		Waterfree Urinals *(22 42 13 16-0001)*		
22 42 13 16-0016	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	562.20	52.83
22 42 13 16-0017	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	719.68	52.83
22 42 13 16-0018	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	623.14	52.83
22 42 13 16-0019	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	483.47	52.83
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	483.47	52.83
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	593.19	52.83
22 42 13 16-0022	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	886.55	52.83
22 42 13 16-0023		Stainless Steel Urinals *(22 42 13 16)*		
22 42 13 16-0024	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	3,821.85	158.49
22 42 13 16-0025	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	4,970.25	193.70
22 42 13 16-0026		Urinal Carriers *(22 42 13 16)*		
22 42 13 16-0027		Floor Mounted, Urinal Carriers *(22 42 13 16-0026)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0028	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	344.81	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
22 42 13 16-0029	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	375.38	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
22 42 13 16-0030		Wall Mounted, Urinal Carriers *(22 42 13 16-0026)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0031	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	154.12	26.77
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*16.89*	
22 42 13 16-0032		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0033	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	320.87	
22 42 16		**Commercial Lavatories And Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		Lavatories *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		Wall Hung Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	460.76	47.19
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	486.34	47.19
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	629.66	47.19
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	414.10	47.19
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	342.61	47.19
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	460.34	47.19
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	560.84	47.19
22 42 16 13-0010		Countertop Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0011	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	393.73	57.06
22 42 16 13-0012	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	417.89	57.06
22 42 16 13-0013	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	443.68	57.06
22 42 16 13-0014	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	583.79	61.63
22 42 16 13-0015		Pre-Molded Culture Marble Lavatory Vanity *(22 42 16 13-0001)*		
		Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 13-0016	EA	24" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory	234.80	52.83
		For Colored Fixtures, Add	*37.46*	
22 42 16 13-0017	EA	30" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory	257.49	56.35
		For Colored Fixtures, Add	*42.00*	
22 42 16 13-0018	EA	36" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory	276.57	59.87
		For Colored Fixtures, Add	*45.49*	
22 42 16 13-0019	EA	25" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	240.82	52.83
		For Colored Fixtures, Add	*39.21*	
22 42 16 13-0020	EA	31" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	261.09	56.35
		For Colored Fixtures, Add	*43.04*	
22 42 16 13-0021	EA	37" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	278.97	59.87
		For Colored Fixtures, Add	*46.19*	
22 42 16 13-0022	EA	43" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	312.59	61.63
		For Colored Fixtures, Add	*54.91*	
22 42 16 13-0023	EA	49" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory	340.20	63.40
		For Colored Fixtures, Add	*61.89*	
22 42 16 13-0024	EA	25" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	264.89	52.83
		For Colored Fixtures, Add	*46.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0025	EA	31" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	302.02	56.35
		For Colored Fixtures, Add	*54.91*	
22 42 16 13-0026	EA	37" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	321.11	59.87
		For Colored Fixtures, Add	*58.41*	
22 42 16 13-0027	EA	43" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	343.89	61.63
		For Colored Fixtures, Add	*63.99*	
22 42 16 13-0028	EA	49" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	364.28	63.40
		For Colored Fixtures, Add	*68.88*	
22 42 16 13-0029	EA	55" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory	390.58	66.91
		For Colored Fixtures, Add	*74.46*	

22 42 16 13-0030 Stainless Steel Lavatories *(22 42 16 13-0001)*

22 42 16 13-0031	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,858.20	123.27

22 42 16 13-0032 Solid Surface Multi-Station Lavatory Systems *(22 42 16 13-0001)*

Note: ADA compliant. Includes integral faucets.

22 42 16 13-0033	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,944.94	103.48
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0034	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,779.88	103.48
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0035	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	270.30	34.50
22 42 16 13-0036	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	333.95	34.50
22 42 16 13-0037	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	658.13	34.50

22 42 16 13-0038 Lavatory Carriers *(22 42 16 13)*

22 42 16 13-0039 Floor Mounted, Lavatory Carriers *(22 42 16 13-0038)*

22 42 16 13-0040 Floor Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0039)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 16 13-0041	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	344.81	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
		For Valve Plate For Attaching To Upright, Add	*59.66*	
		For Corner Carrier, Add	*116.11*	
22 42 16 13-0042	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	375.38	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
		For Valve Plate For Attaching To Upright, Add	*59.66*	
22 42 16 13-0043	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	429.29	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*33.79*	
		For Valve Plate For Attaching To Upright, Add	*119.32*	
22 42 16 13-0044	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	491.25	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*33.79*	
		For Valve Plate For Attaching To Upright, Add	*119.32*	

22 42 16 13-0045 Floor Mounted, Lavatory Carriers With Arms *(22 42 16 13-0039)*

Note: Includes leveling and securing screws, structural uprights and welded feet.

22 42 16 13-0046	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	443.37	31.69
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*16.89*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*23.34*	
		For Valve Plate For Attaching To Upright, Add	*61.07*	
		For 2" Chrome Plated Escutcheons, Add	*57.12*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*103.79*	
22 42 16 13-0047	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	591.42	31.69
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*16.89*	
		For Vandal Proof Trim, Add	*45.87*	
		For Valve Plate For Attaching To Upright, Add	*61.07*	
		For Heavy Duty Carrier, Add	*58.73*	
22 42 16 13-0048	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	590.61	31.69
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.79*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.67*	
		For Valve Plate For Attaching To Upright, Add	*122.14*	
		For 2" Chrome Plated Escutcheons, Add	*114.25*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.58*	
22 42 16 13-0049	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	873.83	31.69
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.79*	
		For Vandal Proof Trim, Add	*91.73*	
		For Valve Plate For Attaching To Upright, Add	*122.14*	
		For Heavy Duty Carrier, Add	*117.46*	

22 42 16 13-0050 Wall Mounted, Lavatory Carriers *(22 42 16 13-0038)*

22 42 16 13-0051 Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0050)*

Note: Includes wall plate and adjustable supporting rods.

22 42 16 13-0052	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	154.12	26.77
		For Double Plate Carrier, Add	*46.05*	

22 42 16 13-0053 Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0050)*

Note: Includes wall plate and leveling and securing screws.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0054	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	255.91	31.69
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
		For 2" Chrome Plated Escutcheons, Add	*57.12*	
22 42 16 13-0055	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	300.96	31.69
		For Movable Mounting Brackets, Deduct	*-43.45*	
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
		For 2" Chrome Plated Escutcheons, Add	*57.12*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*103.79*	
22 42 16 13-0056	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	440.16	31.69
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*16.89*	
		For Vandal Proof Trim, Add	*45.87*	

22 42 16 13-0057 Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 13-0058	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	207.17	

22 42 16 16 Commercial Sinks *(22 42 16)*

22 42 16 16-0001 Sinks *(22 42 16 16)*

Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 16-0002 Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	574.77	66.21
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	781.89	75.37
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	861.17	64.80
		For 18 Gauge, Add	*298.52*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	890.47	64.80
		For 18 Gauge, Add	*313.17*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	956.39	64.80
		For 18 Gauge, Add	*346.13*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,008.78	66.21
		For 18 Gauge, Add	*368.10*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,323.78	75.37
		For 18 Gauge, Add	*512.15*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,358.91	75.37
		For 18 Gauge, Add	*529.59*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,336.05	64.80
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,369.01	64.80
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,452.03	64.80
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,556.91	66.21
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,920.75	75.37

22 42 16 16-0016 Undermount Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0017	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,160.16	64.80
22 42 16 16-0018	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,156.60	64.80
22 42 16 16-0019	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,172.37	64.80
22 42 16 16-0020	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,255.39	64.80

22 42 16 16-0021 Multi-Station Wash Sink, Wall Mounted *(22 42 16 16-0001)*

Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.

22 42 16 16-0022	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	1,699.28	114.46
22 42 16 16-0023	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,318.15	123.27
22 42 16 16-0024	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,680.51	132.06
22 42 16 16-0025	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,620.86	88.05
22 42 16 16-0026	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,917.37	96.85
22 42 16 16-0027	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,207.30	105.65
22 42 16 16-0028	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,557.50	118.86
22 42 16 16-0029	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,530.68	193.70

22 42 16 16-0030 Utility Or Laundry Sinks *(22 42 16 16-0001)*

22 42 16 16-0031	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	500.44	75.37
22 42 16 16-0032	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	600.28	75.37
22 42 16 16-0033	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	498.67	75.37
22 42 16 16-0034	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	851.55	75.37
22 42 16 16-0035	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,268.75	84.52

22 42 16 16-0036 Refinish Sink/Lavatory *(22 42 16 16-0001)*

22 42 16 16-0037	EA	Refinish Sink/Lavatory	172.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0038		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0039	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	874.90	113.40
22 42 16 16-0040	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	929.36	113.40
22 42 16 16-0041	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,177.70	150.03
22 42 16 16-0042	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	448.70	105.65
22 42 16 16-0043	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	535.64	105.65
22 42 16 16-0044	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	582.79	126.78
22 42 16 16-0045		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0046	EA	24" x 24" Stainless Steel Sink With One Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	2,711.81	176.09
22 42 16 16-0047		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0048		**Floor Mounted, Sink Carriers** *(22 42 16 16-0047)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0049	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	501.70	26.77
		For Vandal Proof Trim, Add	*45.87*	
		For Valve Plate For Attaching To Upright, Add	*59.66*	
22 42 16 16-0050	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	777.68	26.77
		For Vandal Proof Trim, Add	*45.87*	
		For Auxiliary Vent, Add	*136.10*	
22 42 16 16-0051	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	974.01	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*34.60*	
		For Vandal Proof Trim, Add	*45.87*	
22 42 16 16-0052		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0053	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	284.02	
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,368.35	195.81
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,153.89	195.81
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,373.73	195.81
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,805.05	195.81
22 42 19 00-0007		**Porcelain Enameled Steel, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	534.33	195.81
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	549.69	195.81
22 42 19 00-0010		**Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	852.02	195.81
22 42 19 00-0012		**Acrylic, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	881.07	195.81
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,066.74	195.81
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,090.72	195.81
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,075.98	195.81
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,129.00	195.81
22 42 19 00-0018		**Bathtub Refinishing** *(22 42 19 00-0001)*		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	399.38	
22 42 19 00-0020		**Tub And Shower Combinations** *(22 42 19)*		
22 42 19 00-0021		**Acrylic Tub And Shower Combination** *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)	781.05	74.50
		For 2 Piece Enclosure, Deduct	*-171.16*	
22 42 19 00-0023		**Fiberglass Tub And Shower Combination** *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	721.44	74.50
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	588.02	49.67
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,153.68	112.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,022.15	113.60
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,022.15	113.60
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,530.91	113.60
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,681.95	113.60
22 42 23 00-0007		Solid Plastic Core High Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,666.05	113.60
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,666.05	113.60
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,381.50	113.60
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	2,659.73	113.60
22 42 23 00-0012		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0013		Acrylic Shower Receptors *(22 42 23 00-0012)*		
22 42 23 00-0014	EA	36" x 36" Acrylic Shower Receptor	359.46	28.67
22 42 23 00-0015	EA	42" x 42" Acrylic Shower Receptor	381.47	28.67
22 42 23 00-0016	EA	48" x 48" Acrylic Shower Receptor	425.42	28.67
22 42 23 00-0017	EA	60" x 60" Acrylic Shower Receptor	517.80	34.41
22 42 23 00-0018	EA	48" x 32" Acrylic Shower Receptor	360.50	28.67
22 42 23 00-0019	EA	48" x 36" Acrylic Shower Receptor	389.44	28.67
22 42 23 00-0020	EA	48" x 42" Acrylic Shower Receptor	443.29	28.67
22 42 23 00-0021	EA	60" x 30" Acrylic Shower Receptor	664.99	78.29
22 42 23 00-0022	EA	60" x 32" Acrylic Shower Receptor	490.41	34.41
22 42 23 00-0023	EA	60" x 36" Acrylic Shower Receptor	494.13	34.41
22 42 23 00-0024	EA	60" x 42" Acrylic Shower Receptor	497.55	34.41
22 42 23 00-0025	EA	60" x 48" Acrylic Shower Receptor	551.05	34.41
22 42 23 00-0026	EA	36" x 36" Acrylic Corner Shower Receptor	535.87	28.67
22 42 23 00-0027	EA	42" x 42" Acrylic Corner Shower Receptor	618.94	28.67
22 42 23 00-0028	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	955.89	74.37
22 42 23 00-0029		Molded Stone Shower Receptors *(22 42 23 00-0012)*		
22 42 23 00-0030	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	231.48	28.67
22 42 23 00-0031	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	243.90	28.67
22 42 23 00-0032	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	245.28	28.67
22 42 23 00-0033	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	306.68	28.67
22 42 23 00-0034	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	269.43	28.67
22 42 23 00-0035	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	286.68	28.67
22 42 23 00-0036	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	288.75	28.67
22 42 23 00-0037	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	333.38	34.41
22 42 23 00-0038	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	346.49	34.41
22 42 23 00-0039	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	272.88	28.67
22 42 23 00-0040	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	280.47	28.67
22 42 23 00-0041		Precast Terrazzo Shower Receptors *(22 42 23 00-0012)*		
22 42 23 00-0042	EA	30" x 30" Precast Terrazzo Shower Receptor	456.39	28.67
22 42 23 00-0043	EA	32" x 32" Precast Terrazzo Shower Receptor	475.02	28.67
22 42 23 00-0044	EA	34" x 34" Precast Terrazzo Shower Receptor	492.27	28.67
22 42 23 00-0045	EA	36" x 36" Precast Terrazzo Shower Receptor	494.34	28.67
22 42 23 00-0046	EA	40" x 40" Precast Terrazzo Shower Receptor	543.32	28.67
22 42 23 00-0047	EA	42" x 42" Precast Terrazzo Shower Receptor	568.16	28.67
22 42 23 00-0048	EA	48" x 48" Precast Terrazzo Shower Receptor	808.25	28.67
22 42 23 00-0049	EA	36" x 32" Precast Terrazzo Shower Receptor	488.13	28.67
22 42 23 00-0050	EA	42" x 32" Precast Terrazzo Shower Receptor	498.02	28.67
22 42 23 00-0051	EA	42" x 34" Precast Terrazzo Shower Receptor	515.73	28.67
22 42 23 00-0052	EA	42" x 36" Precast Terrazzo Shower Receptor	537.80	28.67
22 42 23 00-0053	EA	32" x 48" Precast Terrazzo Shower Receptor	539.87	28.67
22 42 23 00-0054	EA	48" x 34" Precast Terrazzo Shower Receptor	568.16	28.67
22 42 23 00-0055	EA	54" x 32" Precast Terrazzo Shower Receptor	596.45	28.67
22 42 23 00-0056	EA	60" x 30" Precast Terrazzo Shower Receptor	809.86	34.41
22 42 23 00-0057	EA	60" x 32" Precast Terrazzo Shower Receptor	888.14	34.41
22 42 23 00-0058	EA	60" x 34" Precast Terrazzo Shower Receptor	891.98	34.41
22 42 23 00-0059	EA	60" x 36" Precast Terrazzo Shower Receptor	895.80	34.41
22 42 23 00-0060	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	497.10	28.67
22 42 23 00-0061	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	498.02	28.67
22 42 23 00-0062	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	499.86	28.67
22 42 23 00-0063	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	604.04	28.67
22 42 23 00-0064	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,118.02	28.67
22 42 23 00-0065	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,242.69	34.41
22 42 23 00-0066	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,296.50	34.41
22 42 23 00-0067		Shower Receptors Accessories *(22 42 23 00-0012)*		
22 42 23 00-0068	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	2.77	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0069		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 23)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0070	EA	Removal And Reinstallation Of Shower Head	34.41	
22 42 33		**Wash Fountains** *(22 42)*		
22 42 33 00-0001		**Circular Wash Fountain, Deep Bowl** *(22 42 33)* Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,234.51	120.72
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,848.12	120.72
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,558.13	120.72
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	11,805.22	137.96
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,596.40	137.96
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,266.09	137.96
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0008		**Semi-Circular Wash Fountain, Deep Bowl** *(22 42 33)* Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,061.37	103.48
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,438.12	103.48
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,468.57	103.48
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	9,905.56	120.72
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,362.38	120.72
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,698.95	120.72
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 39		**Commercial Faucets, Supplies, And Trim** *(22 42)*		
22 42 39 00-0001		**Kitchen Faucets** *(22 42 39)*		
22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	143.26	35.22
22 42 39 00-0003	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	215.87	35.22
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	133.27	35.22
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	146.59	35.22
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	191.48	35.22
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	135.15	35.22
22 42 39 00-0008	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	130.11	35.22
22 42 39 00-0009	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	154.75	35.22
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	268.91	35.22
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	295.38	35.22
22 42 39 00-0012	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	277.69	38.22
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0013	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	276.40	38.22
22 42 39 00-0014	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	205.18	38.22
22 42 39 00-0015	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	480.13	35.22
22 42 39 00-0016	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	608.57	35.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0017	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	651.38	35.22
22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	480.13	35.22
22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	608.57	35.22
22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	651.38	35.22
22 42 39 00-0021		**Lavatory Faucets** *(22 42 39)*		
22 42 39 00-0022	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	151.19	25.35
22 42 39 00-0023	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	166.10	25.35
22 42 39 00-0024	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	204.62	25.35
22 42 39 00-0025	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	238.84	25.35
22 42 39 00-0026	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	144.75	25.35
22 42 39 00-0027	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	221.77	25.35
22 42 39 00-0028	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	159.06	25.35
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0029	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	162.81	25.35
22 42 39 00-0030	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	197.17	25.35
22 42 39 00-0031	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	193.11	25.35
22 42 39 00-0032		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0033		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0032)*		
22 42 39 00-0034	EA	Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	162.24	30.56
22 42 39 00-0035	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	190.45	30.56
22 42 39 00-0036	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	208.54	30.56
22 42 39 00-0037	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	149.94	30.56
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0038	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	157.18	30.56
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0039	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	178.16	30.56
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0040	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	202.03	30.56
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0041		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0042	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	261.23	47.54
22 42 39 00-0043	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	592.32	47.54
22 42 39 00-0044	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	409.93	47.54
22 42 39 00-0045	EA	Senior Institutional Shower Head (Symmons® 4-150)	157.72	30.56
22 42 39 00-0046	EA	Universal Institutional Shower Head (Symmons® 4-151)	265.43	30.56
22 42 39 00-0047	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	186.08	30.56
22 42 39 00-0048	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	139.64	30.56
22 42 39 00-0049	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	593.47	45.78
22 42 39 00-0050	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	485.31	52.83
22 42 39 00-0051	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	642.50	52.83
22 42 39 00-0052	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	906.51	56.35
22 42 39 00-0053	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	823.52	47.54
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0054	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	980.49	47.54
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0055	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	665.28	47.54
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0056	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,008.08	47.54
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0057	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,081.98	47.54
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0058	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	2,002.35	47.54
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0059	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	1,748.20	47.54
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	873.86	47.54
22 42 39 00-0061	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	1,345.35	47.54
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	872.67	47.54
22 42 39 00-0063	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	870.07	47.54
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	

22 42 39 00-0064 Service Sink Faucets *(22 42 39)*

22 42 39 00-0065	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	350.20	58.64
22 42 39 00-0066	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	268.89	58.64
22 42 39 00-0067	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	279.02	58.64
22 42 39 00-0068	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	364.15	82.20
22 42 39 00-0069	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	407.79	93.68
22 42 39 00-0070	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	471.45	93.68
22 42 39 00-0071	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	567.51	93.68

22 42 39 00-0072 Laboratory Faucets And Fittings *(22 42 39)*

22 42 39 00-0073	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	142.07	24.93
22 42 39 00-0074	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	232.89	35.22
22 42 39 00-0075	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	302.49	35.22
22 42 39 00-0076	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	185.31	32.89
22 42 39 00-0077	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	251.68	46.91
22 42 39 00-0078	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	342.44	46.91
22 42 39 00-0079	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	274.08	35.22
22 42 39 00-0080	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	268.17	46.91
22 42 39 00-0081	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	175.86	27.06
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0082	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	247.75	38.22
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0083	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	190.23	38.22
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0084	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP)	232.92	38.22
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0085	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	59.81	23.53
22 42 39 00-0086	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	379.99	42.26
22 42 39 00-0087	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	489.64	42.26
22 42 39 00-0088	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	589.54	42.26
22 42 39 00-0089	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	520.94	42.26
22 42 39 00-0090	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	620.97	42.26

22 42 39 00-0091 Gooseneck Faucets With Independent Eyewash *(22 42 39)*

22 42 39 00-0092	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	667.70	26.41
22 42 39 00-0093	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	725.51	24.65
22 42 39 00-0094	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	938.84	26.41
22 42 39 00-0095	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	992.21	26.41
22 42 39 00-0096	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,211.39	17.61
22 42 39 00-0097	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,450.54	44.02
22 42 39 00-0098	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,032.80	44.02
22 42 39 00-0099	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,100.73	44.02

22 42 39 00-0100 Bubblers And Glass Fillers *(22 42 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0101	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	252.03	24.93
22 42 39 00-0102	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	223.82	32.89
22 42 39 00-0103	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	248.56	24.93
22 42 39 00-0104	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	152.04	35.71
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0105	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	295.14	27.06
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0106	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	299.12	27.06
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0107	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	248.85	27.06
		For Faucet With Temperature Control, Add	*40.00*	

22 42 39 00-0108 Electronic Infrared Sensor Faucets *(22 42 39)*

22 42 39 00-0109	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	459.86	58.74
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0110	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	464.20	58.74
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0111	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	623.35	63.76
22 42 39 00-0112	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	650.27	58.74
22 42 39 00-0113	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	967.05	63.76
22 42 39 00-0114	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,211.62	63.76
22 42 39 00-0115	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,131.42	63.76
22 42 39 00-0116	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	788.91	58.74
22 42 39 00-0117	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	607.41	58.74
22 42 39 00-0118	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	641.28	58.74
22 42 39 00-0119	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	556.60	58.74
22 42 39 00-0120	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	641.28	58.74
22 42 39 00-0121	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	561.32	58.74
22 42 39 00-0122	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	561.32	58.74
22 42 39 00-0123	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	630.96	58.74
22 42 39 00-0124	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	536.37	58.74
22 42 39 00-0125	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	515.01	58.74
22 42 39 00-0126	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	945.24	58.74

22 42 39 00-0127 Other Trim *(22 42 39)*

22 42 39 00-0128	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	13.02	3.83
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	81.19	11.47
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0130	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	35.21	9.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0131	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	79.96	9.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0132	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	53.95	10.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0133	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	56.87	10.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0134	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	153.82	10.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0135	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	191.56	10.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0136	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	218.97	10.56
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0137	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	25.95	7.40
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0138	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	25.95	7.40
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0139	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	36.12	7.40
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0140	EA	16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair)	24.51	8.12
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0141	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	15.28	4.77
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0142	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	15.74	4.77
		For Faucet With Temperature Control, Add	*40.00*	

22 42 39 00-0143 Removal And Reinstallation Of Fixtures And Trim *(22 42 39)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 39 00-0144	EA	Removal And Reinstallation Of Faucet	61.16	

22 42 43 Flushometers *(22 42)*

22 42 43 00-0001 Water Closet Flush Valves *(22 42 43)*

22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115)	192.00	24.01
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	186.12	24.01
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	215.99	24.01
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	298.00	24.01
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	331.67	24.01
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	608.07	24.01
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	608.51	24.01
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	642.47	24.01
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	596.88	24.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	263.66	24.01
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	531.05	24.01
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	294.99	24.01
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	258.59	24.01
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	261.23	21.13
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	284.11	21.13
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	616.86	24.01
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	676.04	24.01
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	860.06	24.01
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	860.06	24.01
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	558.15	24.01
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	553.14	24.01
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	274.13	21.13
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	85.67	4.01
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	518.79	24.01

22 42 43 00-0026 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0027	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	178.99	24.01
22 42 43 00-0028	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	193.32	24.01
22 42 43 00-0029	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	261.81	24.01
22 42 43 00-0030	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	318.23	24.01
22 42 43 00-0031	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	504.22	24.01
22 42 43 00-0032	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	679.80	24.01
22 42 43 00-0033	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	763.42	24.01
22 42 43 00-0034	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	495.83	24.01
22 42 43 00-0035	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	672.23	24.01
22 42 43 00-0036	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	483.57	24.01

22 42 43 00-0037 Removal And Reinstallation Of Fixtures And Trim *(22 42 43)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0038	EA	Removal And Reinstallation Of Flush Valve	95.57	

22 42 43 00-0039 Plumbing Control Transformers *(22 42 43)*

22 42 43 00-0040	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	38.87	

22 42 49 Composting Toilets *(22 42)*

22 42 49 00-0001 Composting Toilets *(22 42 49)*

22 42 49 00-0002	EA	Composting Toilet (Sun-Mar Excel)	2,299.06	343.37
		For Extra Urinal, Add	*197.86*	
22 42 49 00-0003	EA	Composting Toilet (Sun-Mar Excel AC/DC)	2,482.54	343.37
		For Extra Urinal, Add	*216.20*	
22 42 49 00-0004	EA	Composting Toilet (Sun-Mar Excel NE)	2,205.58	290.55
		For Extra Urinal, Add	*193.44*	
22 42 49 00-0005	EA	Composting Toilet System (Clivus Multrum M-1)	3,079.69	422.61
		For Extra Urinal, Add	*268.53*	
22 42 49 00-0006	EA	Composting Toilet System (Clivus Multrum M-2)	3,654.33	475.45
		For Extra Urinal, Add	*321.06*	
22 42 49 00-0007	EA	Composting Toilet System (Clivus Multrum M-3)	5,741.82	528.27
		For Extra Urinal, Add	*524.88*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	679.59	73.25
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	513.57	73.25

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,123.90	47.19
		For Stainless Steel Rim Guards (Three Sides), Add	*111.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,176.51	135.59
		For Stainless Steel Rim Guards (Three Sides), Add	*111.02*	
		For Pedestal Base, Add	*509.00*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,075.03	47.19
		For Painted Bracket Supports, Add	*169.60*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	928.40	47.19

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	91.91	10.56

22 43 39 00-0003 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	391.70	51.70
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	396.22	51.70
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	395.76	51.70
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	352.82	51.70
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	337.45	51.70

22 43 39 00-0009 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0010	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	546.97	51.70
		For Hard Wired AC Powered, Add	*25.28*	

22 43 39 00-0011 Bedpan Washers *(22 43 39)*

22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	932.74	93.96
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	885.41	93.96
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	871.39	93.96
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	857.75	93.96

22 43 39 00-0016 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	283.11	93.96
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	333.02	93.96
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	717.74	93.96
22 43 39 00-0020	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	609.64	93.96

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	207.12	24.01
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	492.33	24.01

22 43 46 Healthcare Patient Care Units *(22 43)*

22 43 46 00-0001 Patient Care Units *(22 43 46)*

22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	11,417.31	140.87
		For SDB Single Temperature Dialysis Box, Add	*831.53*	
		For DDB Dual Temperature Dialysis Box, Add	*883.18*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*653.12*	
		For LOCK Flush Valve Lockout Device, Add	*468.71*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	8,999.48	123.27
		For SDB Single Temperature Dialysis Box, Add	*831.53*	
		For DDB Dual Temperature Dialysis Box, Add	*883.18*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*653.12*	
		For LOCK Flush Valve Lockout Device, Add	*468.71*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,087.22	19.12
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,197.49	19.12

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	513.96	123.27
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	596.96	123.27
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	643.07	123.27
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	781.40	123.27
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,067.29	123.27
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	825.85	140.87
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	902.57	158.49
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	814.96	158.49
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	833.40	158.49
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,179.23	158.49
22 45 13 00-0013		Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	433.62	123.27
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	447.59	123.27
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	717.27	140.87
22 45 16		**Eyewash Equipment** *(22 45)*		
22 45 16 00-0001		Emergency Eyewash Equipment *(22 45 16)*		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	246.82	3.52
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,105.45	158.49
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,453.82	10.56
22 45 26		**Eye/Face Wash Equipment** *(22 45)*		
22 45 26 00-0001		Emergency Eye/Face Wash Equipment *(22 45 26)*		
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*		
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	577.25	88.05
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	564.68	123.27
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	550.85	123.27
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	605.26	123.27
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	610.79	123.27
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	676.27	123.27
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	938.18	123.27
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,814.29	123.27
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	696.74	140.87
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	802.79	140.87
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	1,872.56	140.87
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	499.27	35.22
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	480.83	35.22
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	503.88	35.22
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	637.60	35.22
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,514.17	176.09
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	1,863.34	140.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	1,901.50	176.09
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	2,259.89	140.87
22 45 26 00-0022		Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*		
22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	491.85	123.27
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	605.48	140.87
22 45 29		**Hand-Held Emergency Drench Hoses** *(22 45)*		
22 45 29 00-0001		Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*		
22 45 29 00-0002		Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*		
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	530.71	44.02
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	613.71	44.02
22 45 33		**Combination Emergency Fixture Units** *(22 45)*		
22 45 33 00-0001		Emergency Shower With Eye/Face Wash *(22 45 33)*		
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*		
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	3,155.31	228.92
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,103.98	228.92
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,435.38	228.92
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,343.76	228.92
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	1,693.60	228.92
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	1,587.54	228.92
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,343.16	228.92
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,260.76	228.92
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	2,486.70	228.92
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	2,537.42	228.92
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	2,846.37	228.92
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	3,026.20	228.92
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	2,975.48	228.92
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	4,497.13	228.92
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	4,746.13	228.92
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	10,141.09	228.92
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,343.16	228.92
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,532.21	228.92
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,173.62	228.92
22 45 36		**Emergency Fixture Water-Tempering Equipment** *(22 45)*		
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment *(22 45 36)*		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	562.99	44.02
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	835.04	44.02
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,236.21	44.02
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,462.15	44.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,080.03	44.02
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,195.31	44.02
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,703.13	44.02
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	4,454.74	44.02
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	632.16	44.02

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	143.46	14.09
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	203.40	14.09
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	212.62	14.09
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	241.11	5.28
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	246.82	3.52
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	267.70	7.04
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	451.48	52.83
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	481.50	24.04
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	721.28	24.04
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	835.04	52.83
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,620.44	24.04
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	1,774.11	80.11
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	1,810.99	80.11
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	3,387.98	80.11
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	6,477.40	80.11

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	816.27	52.83

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets And Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Replacement Blowout Toilets *(22 46 13 13)*

22 46 13 13-0002	EA	Wall Mount Toilet For Replacement, Stainless Steel (Acorn 3330/3331)	3,829.18	147.91
22 46 13 13-0003	EA	Floor Mounted Toilet For Replacement, Stainless Steel (Acorn 3334/3335)	4,670.00	140.87

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Replacement Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Wall Mounted Straddle Urinal For Replacement, Stainless Steel (Acorn 3349)	5,442.30	176.09

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Replacement Combination Units *(22 46 13 19)*
Note: Includes hot and cold valve, bubbler, flush valve, paper holder, and mounting hardware.

22 46 13 19-0002	EA	18" Lav-Toilet Comby Replacement Unit, Stainless Steel (Acorn 3318)	6,707.04	214.83
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	
22 46 13 19-0003	EA	Angled ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1432)	9,050.94	214.83
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	
22 46 13 19-0004	EA	Flat Wall ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1435)	12,081.40	214.83
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	

22 46 16 Security Lavatories And Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Replacement Lavatories *(22 46 16 13)*
Note: Includes hot and cold valve, bubbler, and mounting hardware.

22 46 16 13-0002	EA	15" Lavatory For Replacement, Stainless Steel (Acorn 3325)	2,170.39	105.65
		For PWT Electronic H And C valve, Add	*150.00*	
22 46 16 13-0003	EA	18" Lavatory For Replacement, Stainless Steel (Acorn 3326)	2,342.98	105.65
		For PWT Electronic H And C valve, Add	*150.00*	
22 46 16 13-0004	EA	18" ADA Front Access Lavatory , Stainless Steel (Acorn 1652-ADA-BP-4M-FA)	2,533.35	105.65
		For PWT Electronic H And C valve, Add	*150.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001 Replacement Or New Shower Units *(22 46 19)*

Note: Includes single temp air control valve, soap dish, anchor plate, towel hook, and mounting hardware.

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	13,505.02	281.74
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	14,012.29	281.74
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	14,534.35	281.74
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	18,622.04	281.74

22 46 19 00-0006 Wall Mounted Security Shower *(22 46 19)*

Note: Includes single temp air control valve, and mounting hardware.

22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,274.46	73.96
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,568.25	73.96
		For PWT Electronic FV, Add	*148.00*	

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,580.00	140.87
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,600.24	140.87

22 47 Drinking Fountains And Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,425.56	114.46
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,092.53	123.27
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,892.34	114.46
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,260.64	123.27
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	941.15	114.46
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,130.51	123.27
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,070.28	114.46
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	1,305.06	123.27

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	966.84	123.27
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	1,393.10	123.27
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF)	1,910.33	123.27

22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,311.30	132.06
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	2,869.90	132.06

22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,402.74	140.87
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,598.48	140.87

22 47 13 00-0021 Countertop Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	571.37	88.05
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	548.86	88.05
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	672.21	88.05

22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	477.73	88.05
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	582.29	88.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0028		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0029	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,702.03	140.87
22 47 13 00-0030	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	3,411.51	140.87
22 47 13 00-0031	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,574.98	140.87
22 47 13 00-0032	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,163.59	140.87
22 47 13 00-0033	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	2,738.04	140.87
22 47 13 00-0034	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,363.76	179.70
22 47 13 00-0035	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	3,138.94	140.87
22 47 13 00-0036	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	3,083.89	140.87
22 47 13 00-0037		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0038		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0037)*		
22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,218.02	140.87
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	1,340.28	140.87
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,287.19	140.87
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	1,912.99	140.87
22 47 13 00-0043		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0037)*		
22 47 13 00-0044	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,363.51	132.06
22 47 13 00-0045	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	3,339.21	132.06
22 47 13 00-0046	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	2,360.27	132.06
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,276.89	132.06
22 47 13 00-0048	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	3,532.97	140.87
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	3,598.12	140.87
22 47 13 00-0050	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,308.19	132.06
22 47 13 00-0051	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,292.73	132.06
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,268.42	132.06
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	3,852.30	140.87
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	5,427.24	140.87
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		**Indoor Water Coolers** *(22 47 16)*		
22 47 16 00-0002		**Face Mounted Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	2,714.93	140.87
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,902.35	140.87
22 47 16 00-0005		**Wall Mounted Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,263.06	140.87
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,311.32	140.87
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,462.54	140.87
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,520.46	140.87
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,111.84	140.87
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,296.84	140.87
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,008.08	140.87
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	1,699.94	211.31
22 47 16 00-0014		**Simulated Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0015	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,517.10	140.87
22 47 16 00-0016		**Fully Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0017	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	2,993.04	158.49
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,670.04	158.49
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	4,306.62	158.49
22 47 16 00-0020		**Free Standing Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0021	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,222.21	123.27
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,316.32	123.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,500.52	123.27
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,675.07	123.27
22 47 16 00-0025		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0026	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	412.19	70.44
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	498.63	70.44
22 47 16 00-0028		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0029	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	2,974.85	211.31
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	4,597.25	211.31
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,850.35	211.31
22 47 16 00-0032		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0033		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0032)*		
22 47 16 00-0034	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,333.11	88.05
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,318.91	88.05
22 47 16 00-0036		Free Standing Outdoor Water Coolers *(22 47 16 00-0032)*		
22 47 16 00-0037	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,205.05	132.06
22 47 16 00-0038	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,655.50	132.06
22 47 16 00-0039		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0040	EA	Removal And Reinstallation Of Wall Hung Water Cooler	344.00	
22 47 16 00-0041	EA	Removal And Reinstallation Of Floor Mount Water Cooler	76.45	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	769.15	47.54
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,177.06	52.83
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,004.84	61.63
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,296.74	70.44
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	2,033.20	105.65
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,204.42	114.46
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	344.81	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
		For Bi-Level Carrier, Add	*191.87*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	375.38	26.77
		For Up To 4" Extension Sleeves And Hardware, Add	*16.89*	
		For Bi-Level Carrier, Add	*191.87*	

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities *(22)*

22 63 Gas Systems For Laboratory And Healthcare Facilities *(22 60)*

22 63 13 Gas Piping For Laboratory And Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2161 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste And Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.23	4.01
		For Schedule 80, Add	*4.77*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*4.09*	
		For Work In Restricted Working Space, Add	*1.82*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	19.21	4.50
		For Schedule 80, Add	*6.45*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.52*	
		For Work In Restricted Working Space, Add	*2.04*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	32.27	6.55
		For Schedule 80, Add	*11.65*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*9.97*	
		For Work In Restricted Working Space, Add	*2.96*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	44.62	8.53
		For Schedule 80, Add	*16.54*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*14.16*	
		For Work In Restricted Working Space, Add	*3.84*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	76.12	12.54
		For Schedule 80, Add	*29.82*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*25.52*	
		For Work In Restricted Working Space, Add	*5.63*	
22 66 53 00-0009		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	59.73	15.15
		For Work In Restricted Working Space, Add	*6.82*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	75.94	20.00
		For Work In Restricted Working Space, Add	*8.99*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	112.40	22.90
		For Work In Restricted Working Space, Add	*10.31*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	169.67	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	372.39	44.72
		For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0015		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	59.10	15.15
		For Work In Restricted Working Space, Add	*6.82*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	74.27	20.00
		For Work In Restricted Working Space, Add	*8.99*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	115.59	22.90
		For Work In Restricted Working Space, Add	*10.31*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	137.56	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	322.63	44.72
		For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0021		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	94.54	32.40
		For Work In Restricted Working Space, Add	*14.57*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	116.32	40.85
		For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	177.26	44.72
		For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	253.04	58.74
		For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	469.00	93.96
		For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0027		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	116.25	40.85
		For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	169.57	44.72
		For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	162.73	44.72
		For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	235.50	58.74
		For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	242.12	58.74
		For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	420.17	93.96
		For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	116.98	32.40
		For Work In Restricted Working Space, Add	*14.57*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	121.75	40.85
		For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	193.87	44.72
		For Work In Restricted Working Space, Add	*20.12*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0038		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	260.70	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0039		EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	374.31	93.96
			For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0040			**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	107.14	32.40
			For Work In Restricted Working Space, Add	*14.57*	
22 66 53 00-0042		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	127.99	40.85
			For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0043		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	184.21	44.72
			For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0044		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	258.80	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0045		EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	574.35	93.96
			For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0046			**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047		EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	143.41	40.85
			For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0048		EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	176.30	44.72
			For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0049		EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	176.30	44.72
			For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0050		EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	251.97	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0051		EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	251.97	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0052		EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	483.60	93.96
			For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0053		EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	488.92	93.96
			For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0054		EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	422.40	93.96
			For Work In Restricted Working Space, Add	*42.26*	
22 66 53 00-0055			**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses** *(22 66 53 00-0002)*		
22 66 53 00-0056		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	132.78	40.50
			For Work In Restricted Working Space, Add	*18.22*	
22 66 53 00-0057		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	162.89	51.06
			For Work In Restricted Working Space, Add	*22.97*	
22 66 53 00-0058		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	256.57	55.93
			For Work In Restricted Working Space, Add	*25.16*	
22 66 53 00-0059		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	368.69	73.39
			For Work In Restricted Working Space, Add	*33.02*	
22 66 53 00-0060		EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	690.47	117.42
			For Work In Restricted Working Space, Add	*52.83*	
22 66 53 00-0061			**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0062		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	90.43	32.40
			For Work In Restricted Working Space, Add	*14.57*	
22 66 53 00-0063		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	122.41	40.85
			For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0064		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	145.34	44.72
			For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0065		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	209.75	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0066		EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	104.21	40.85
			For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0067		EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	138.02	44.72
			For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0068		EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	140.96	44.72
			For Work In Restricted Working Space, Add	*20.12*	
22 66 53 00-0069		EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	198.86	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0070		EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	200.72	58.74
			For Work In Restricted Working Space, Add	*26.42*	
22 66 53 00-0071			**Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps** *(22 66 53 00-0002)*		
22 66 53 00-0072		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	108.86	37.61
			For Work In Restricted Working Space, Add	*16.91*	
22 66 53 00-0073		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	146.38	49.45
			For Work In Restricted Working Space, Add	*22.24*	
22 66 53 00-0074		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	242.72	67.13
			For Work In Restricted Working Space, Add	*30.19*	
22 66 53 00-0075		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	366.85	85.44
			For Work In Restricted Working Space, Add	*38.42*	
22 66 53 00-0076			**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters** *(22 66 53 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	57.99	15.15
		For Work In Restricted Working Space, Add	*6.82*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	66.72	20.00
		For Work In Restricted Working Space, Add	*8.99*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	79.85	22.90
		For Work In Restricted Working Space, Add	*10.31*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	110.99	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	165.26	44.72
		For Work In Restricted Working Space, Add	*20.12*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	53.56	15.15
		For Work In Restricted Working Space, Add	*6.82*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	70.07	20.00
		For Work In Restricted Working Space, Add	*8.99*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	85.98	22.90
		For Work In Restricted Working Space, Add	*10.31*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	117.01	30.29
		For Work In Restricted Working Space, Add	*13.63*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	48.06	15.15
		For Work In Restricted Working Space, Add	*6.82*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	60.18	20.00
		For Work In Restricted Working Space, Add	*8.99*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	71.04	22.90
		For Work In Restricted Working Space, Add	*10.31*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	93.93	30.29
		For Work In Restricted Working Space, Add	*13.63*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	137.57	44.72
		For Work In Restricted Working Space, Add	*20.12*	

22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0094 Glass Acid Resistant DWV Pipe *(22 66 53 00-0093)*

22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	21.52	3.87
		For Work In Restricted Working Space, Add	*2.33*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	27.21	4.22
		For Work In Restricted Working Space, Add	*2.54*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	37.63	5.92
		For Work In Restricted Working Space, Add	*3.56*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	62.22	7.68
		For Work In Restricted Working Space, Add	*4.61*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	104.94	10.49
		For Work In Restricted Working Space, Add	*6.29*	

22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps *(22 66 53 00-0093)*

22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	63.74	17.25
		For Work In Restricted Working Space, Add	*10.33*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	73.54	18.31
		For Work In Restricted Working Space, Add	*10.97*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	102.49	20.78
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	152.21	27.47
		For Work In Restricted Working Space, Add	*16.48*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	372.54	38.03
		For Work In Restricted Working Space, Add	*22.82*	

22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps *(22 66 53 00-0093)*

22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	63.89	17.32
		For Work In Restricted Working Space, Add	*10.38*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	73.26	18.10
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	102.35	20.71
		For Work In Restricted Working Space, Add	*12.43*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	152.21	27.47
		For Work In Restricted Working Space, Add	*16.48*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	372.53	38.03
		For Work In Restricted Working Space, Add	*22.82*	

22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends *(22 66 53 00-0093)*

22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	64.69	17.32
		For Work In Restricted Working Space, Add	*10.38*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	74.22	18.10
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	104.03	20.71
		For Work In Restricted Working Space, Add	*12.43*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	152.21	27.47
		For Work In Restricted Working Space, Add	*16.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	64.69	17.32
		For Work In Restricted Working Space, Add	*10.38*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	74.22	18.10
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	104.03	20.71
		For Work In Restricted Working Space, Add	*12.43*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	152.21	27.47
		For Work In Restricted Working Space, Add	*16.48*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	76.11	17.32
		For Work In Restricted Working Space, Add	*10.38*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	90.63	18.10
		For Work In Restricted Working Space, Add	*10.88*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	104.24	25.92
		For Work In Restricted Working Space, Add	*15.56*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	132.93	26.84
		For Work In Restricted Working Space, Add	*16.10*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	123.11	27.19
		For Work In Restricted Working Space, Add	*16.33*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	168.62	31.06
		For Work In Restricted Working Space, Add	*18.64*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	281.51	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	433.73	57.06
		For Work In Restricted Working Space, Add	*34.24*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	99.36	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	101.48	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	132.44	30.99
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	208.83	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	452.77	57.06
		For Work In Restricted Working Space, Add	*34.23*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	100.77	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	120.75	29.23
		For Work In Restricted Working Space, Add	*17.54*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	128.64	29.94
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	166.78	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	175.25	36.63
		For Work In Restricted Working Space, Add	*21.98*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	184.33	37.68
		For Work In Restricted Working Space, Add	*22.61*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	332.08	47.19
		For Work In Restricted Working Space, Add	*28.31*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	359.02	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	367.42	51.77
		For Work In Restricted Working Space, Add	*31.06*	
22 66 53 00-0148		**Glass Acid Resistant DWV Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	141.50	34.51
		For Work In Restricted Working Space, Add	*20.71*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	145.01	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	189.59	41.56
		For Work In Restricted Working Space, Add	*24.93*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	313.94	54.94
		For Work In Restricted Working Space, Add	*32.96*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	568.32	76.07
		For Work In Restricted Working Space, Add	*45.65*	
22 66 53 00-0154		**Glass Acid Resistant DWV Reducing Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	143.59	35.57
		For Work In Restricted Working Space, Add	*21.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	166.94	38.03
		For Work In Restricted Working Space, Add	*22.82*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	176.92	38.74
		For Work In Restricted Working Space, Add	*23.24*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	261.83	44.72
		For Work In Restricted Working Space, Add	*26.84*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	258.81	45.78
		For Work In Restricted Working Space, Add	*27.47*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	278.09	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	371.51	56.35
		For Work In Restricted Working Space, Add	*33.80*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	404.90	58.81
		For Work In Restricted Working Space, Add	*35.28*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	459.00	65.50
		For Work In Restricted Working Space, Add	*39.30*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	110.57	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	112.68	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	146.37	30.99
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	230.67	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	478.97	57.06
		For Work In Restricted Working Space, Add	*34.24*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	111.96	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	132.44	29.23
		For Work In Restricted Working Space, Add	*17.54*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	135.53	29.94
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	169.35	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	174.05	36.63
		For Work In Restricted Working Space, Add	*21.98*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	210.60	37.68
		For Work In Restricted Working Space, Add	*22.61*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	407.05	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	423.61	51.77
		For Work In Restricted Working Space, Add	*31.06*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	129.79	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	145.27	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	187.45	30.99
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	324.27	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	478.97	57.06
		For Work In Restricted Working Space, Add	*34.24*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	101.77	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	103.88	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	142.05	30.99
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	219.54	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	445.42	57.06
		For Work In Restricted Working Space, Add	*34.24*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	103.16	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	125.71	29.23
		For Work In Restricted Working Space, Add	*17.54*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	129.20	29.94
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	176.40	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	178.05	36.63
		For Work In Restricted Working Space, Add	*21.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	193.79	37.68
		For Work In Restricted Working Space, Add	*22.61*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	321.65	47.19
		For Work In Restricted Working Space, Add	*28.31*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	373.74	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	406.31	51.77
		For Work In Restricted Working Space, Add	*31.06*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	165.66	34.51
		For Work In Restricted Working Space, Add	*20.71*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	169.19	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	227.13	41.56
		For Work In Restricted Working Space, Add	*24.93*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	352.28	54.94
		For Work In Restricted Working Space, Add	*32.96*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	589.05	76.07
		For Work In Restricted Working Space, Add	*45.66*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	167.75	35.57
		For Work In Restricted Working Space, Add	*21.34*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	172.69	38.03
		For Work In Restricted Working Space, Add	*22.82*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	200.36	38.74
		For Work In Restricted Working Space, Add	*23.24*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	246.80	44.72
		For Work In Restricted Working Space, Add	*26.84*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	260.74	45.78
		For Work In Restricted Working Space, Add	*27.47*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	307.45	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	478.09	56.35
		For Work In Restricted Working Space, Add	*33.80*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	501.84	58.81
		For Work In Restricted Working Space, Add	*35.29*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	536.13	65.50
		For Work In Restricted Working Space, Add	*39.31*	

22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	114.44	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	117.09	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	149.90	30.99
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	223.63	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	433.97	57.06
		For Work In Restricted Working Space, Add	*34.24*	

22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	116.37	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	127.71	29.23
		For Work In Restricted Working Space, Add	*17.54*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	137.21	29.94
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	171.60	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	179.09	36.63
		For Work In Restricted Working Space, Add	*21.98*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	194.99	37.68
		For Work In Restricted Working Space, Add	*22.61*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	322.37	47.19
		For Work In Restricted Working Space, Add	*28.31*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	366.78	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	374.29	51.77
		For Work In Restricted Working Space, Add	*31.06*	

22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	153.65	34.51
		For Work In Restricted Working Space, Add	*20.71*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	179.28	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	242.34	41.56
		For Work In Restricted Working Space, Add	*24.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	387.66	54.94
		For Work In Restricted Working Space, Add	*32.96*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	645.53	76.07
		For Work In Restricted Working Space, Add	*45.66*	
22 66 53 00-0239		**Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	157.59	35.57
		For Work In Restricted Working Space, Add	*21.34*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	201.04	38.03
		For Work In Restricted Working Space, Add	*22.82*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	197.80	38.74
		For Work In Restricted Working Space, Add	*23.24*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	266.50	44.72
		For Work In Restricted Working Space, Add	*26.84*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	263.86	45.78
		For Work In Restricted Working Space, Add	*27.47*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	296.32	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	426.50	56.35
		For Work In Restricted Working Space, Add	*33.80*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	454.61	58.81
		For Work In Restricted Working Space, Add	*35.29*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	530.53	65.50
		For Work In Restricted Working Space, Add	*39.31*	
22 66 53 00-0249		**Glass Acid Resistant DWV Partition Crosses (Compact)** *(22 66 53 00-0093)*		
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	173.60	35.57
		For Work In Restricted Working Space, Add	*21.34*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Cross (Compact)	175.04	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	187.81	35.22
		For Work In Restricted Working Space, Add	*21.13*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	171.74	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	189.46	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	218.03	30.99
		For Work In Restricted Working Space, Add	*18.60*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	320.50	41.21
		For Work In Restricted Working Space, Add	*24.72*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	604.67	57.06
		For Work In Restricted Working Space, Add	*34.24*	
22 66 53 00-0259		**Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	172.65	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	197.29	29.23
		For Work In Restricted Working Space, Add	*17.54*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	210.31	29.94
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	243.65	36.28
		For Work In Restricted Working Space, Add	*21.77*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	258.19	36.63
		For Work In Restricted Working Space, Add	*21.98*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	284.02	37.68
		For Work In Restricted Working Space, Add	*22.61*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	410.33	48.25
		For Work In Restricted Working Space, Add	*28.95*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	467.96	51.77
		For Work In Restricted Working Space, Add	*31.06*	
22 66 53 00-0268		**Glass Acid Resistant DWV Reducers Or Increasers** *(22 66 53 00-0093)*		
22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	60.84	17.61
		For Eccentric Reducers Or Increasers, Add	*2.05*	
		For Work In Restricted Working Space, Add	*10.57*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	76.06	19.02
		For Eccentric Reducers Or Increasers, Add	*3.04*	
		For Work In Restricted Working Space, Add	*11.41*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	81.33	19.37
		For Eccentric Reducers Or Increasers, Add	*3.41*	
		For Work In Restricted Working Space, Add	*11.62*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	104.57	22.54
		For Eccentric Reducers Or Increasers, Add	*4.76*	
		For Work In Restricted Working Space, Add	*13.52*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	108.95	22.90
		For Eccentric Reducers Or Increasers, Add	*5.05*	
		For Work In Restricted Working Space, Add	*13.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	116.19	23.94
		For Eccentric Reducers Or Increasers, Add	*5.46*	
		For Work In Restricted Working Space, Add	*14.37*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	228.58	27.82
		For Eccentric Reducers Or Increasers, Add	*13.83*	
		For Work In Restricted Working Space, Add	*16.70*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	240.25	28.18
		For Eccentric Reducers Or Increasers, Add	*14.71*	
		For Work In Restricted Working Space, Add	*16.91*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	254.93	29.23
		For Eccentric Reducers Or Increasers, Add	*15.72*	
		For Work In Restricted Working Space, Add	*17.54*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	267.65	32.75
		For Eccentric Reducers Or Increasers, Add	*16.17*	
		For Work In Restricted Working Space, Add	*19.65*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	142.27	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	152.25	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	170.97	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	153.96	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	167.14	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	187.78	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	157.16	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	167.14	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	187.78	27.12
		For Work In Restricted Working Space, Add	*16.27*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	193.51	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	243.28	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	250.39	27.12
		For Work In Restricted Working Space, Add	*16.27*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	212.96	26.06
		For Work In Restricted Working Space, Add	*15.64*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	225.74	26.77
		For Work In Restricted Working Space, Add	*16.06*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	254.15	27.12
		For Work In Restricted Working Space, Add	*16.27*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	29.54	8.81
		For Work In Restricted Working Space, Add	*5.28*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	33.36	9.16
		For Work In Restricted Working Space, Add	*5.49*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	41.97	10.21
		For Work In Restricted Working Space, Add	*6.13*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	66.22	13.74
		For Work In Restricted Working Space, Add	*8.24*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	94.63	19.02
		For Work In Restricted Working Space, Add	*11.41*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	410.97	34.51
		For Work In Restricted Working Space, Add	*20.71*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	39.79	8.81
		For Work In Restricted Working Space, Add	*5.28*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	44.03	8.81
		For Work In Restricted Working Space, Add	*5.28*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	61.48	17.61
		For Work In Restricted Working Space, Add	*10.57*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	124.30	18.31
		For Work In Restricted Working Space, Add	*10.99*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	125.90	18.31
		For Work In Restricted Working Space, Add	*10.99*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	141.91	18.31
		For Work In Restricted Working Space, Add	*10.99*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	115.65	18.31
		For Work In Restricted Working Space, Add	*10.99*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0311		**Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters** *(22 66 53 00-0093)* Note: Includes teflon spacer.		
22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	111.39	25.99
		For Work In Restricted Working Space, Add	*15.59*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	116.25	27.26
		For Work In Restricted Working Space, Add	*16.36*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	160.62	31.06
		For Work In Restricted Working Space, Add	*18.64*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	229.06	41.28
		For Work In Restricted Working Space, Add	*24.74*	
22 66 53 00-0316		**Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)* Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	20.10	
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	25.35	
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	33.89	
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	57.11	
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	133.04	
22 66 53 00-0322		**Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)* Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	25.91	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	32.42	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	55.06	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	82.06	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	200.09	
22 66 53 00-0328		**Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)* Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0328)*		
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	84.16	6.27
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	118.80	7.82
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	162.22	9.02
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	268.04	13.30
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	474.33	17.74
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	841.38	22.37
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,503.03	30.13
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,682.45	34.55
22 66 53 00-0338		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0328)*		
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	326.12	53.39
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	430.30	58.74
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	707.91	70.30
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,067.98	87.87
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	2,468.87	142.54
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	181.87	53.39
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	240.79	58.74
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	303.43	70.30
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	844.53	87.87
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,930.60	142.54
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,943.03	177.59
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,335.29	213.56
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	181.87	53.39
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	240.79	58.74
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	303.43	70.30
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	612.59	87.87
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,630.79	142.54
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,391.90	177.59
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,402.31	213.56
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	181.87	53.39
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	240.79	58.74
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	303.27	70.23
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	255.41	53.39
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	464.24	58.74
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	518.40	70.30
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	255.56	79.87
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	325.09	88.54
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	458.35	105.72
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	791.97	132.06
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,473.32	213.98
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,521.74	267.20
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	239.26	76.57
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	281.66	82.20
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	317.08	85.08
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	364.32	93.96
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	391.45	96.92
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	432.44	99.81
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	553.64	114.27
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	617.00	117.21
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	692.95	122.60
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	295.12	79.87
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	358.68	88.33
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	495.09	105.72
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	278.84	76.57
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	351.61	85.51
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	425.79	97.21
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	458.34	100.09
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	252.88	80.01
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	356.20	88.54
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	458.22	105.65
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	796.86	131.56
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	3,112.23	213.77
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	261.87	76.57
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	281.63	82.20
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	298.01	85.58
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	333.21	93.96
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	346.35	97.06
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	421.57	100.09
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	584.50	114.41
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	699.02	117.21
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	729.72	122.60
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,817.08	172.46
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,964.22	178.16
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,410.58	187.27
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	306.39	79.87
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	367.16	88.33
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	551.66	105.72
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	870.65	131.70
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	250.56	76.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	292.94	82.20
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	326.15	85.51
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	353.01	93.96
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	411.65	97.21
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	469.61	100.02
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	621.23	114.41
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	781.10	117.27
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	857.30	122.81
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	154.58	50.30
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	170.10	53.11
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	191.30	55.93
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	316.42	61.99
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	331.97	64.87
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	364.50	73.31
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	477.55	78.91
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	694.84	106.93
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	739.55	115.97
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	419.34	117.42
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	566.42	117.42
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	579.62	117.42
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	655.19	163.49
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	493.00	53.39
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	597.18	58.74
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	727.71	70.30
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,193.72	87.87
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	235.61	53.39
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	300.19	58.74
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	416.57	70.30
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	544.24	87.87
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,071.99	122.60
22 66 53 00-0455		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	5.18	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	51.86	
22 66 53 00-0458		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	66.86	4.72
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	76.14	5.21
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	105.24	6.55
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	132.99	7.61
22 66 53 00-0464		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0458)*		
22 66 53 00-0465		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	239.95	37.40
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	258.57	42.26
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	358.39	46.63
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	432.43	56.35
22 66 53 00-0470		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	129.64	37.40
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	156.07	41.84
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	203.06	46.77
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	267.74	55.93
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	152.58	39.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0476		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	129.64	37.40
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	156.07	41.84
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	203.06	46.77
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	267.74	55.93
22 66 53 00-0481		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	155.10	37.40
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	195.67	41.84
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	307.71	46.77
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	344.11	55.93
22 66 53 00-0486		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	149.44	37.40
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	178.70	41.84
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	282.26	46.77
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	318.65	55.93
22 66 53 00-0491		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	225.80	56.28
22 66 53 00-0493		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	180.55	56.28
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	225.15	63.40
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	301.09	70.65
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	463.37	84.59
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	210.26	61.00
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	259.82	65.78
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	277.45	68.11
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	296.49	75.16
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	328.01	77.27
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	356.98	79.59
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	180.83	56.49
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	213.84	63.40
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	289.77	70.65
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	463.37	84.59
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	202.25	61.35
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	251.32	65.71
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	263.61	68.32
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	296.83	75.37
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	328.64	77.69
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	348.79	79.80
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	274.01	75.23
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	353.16	84.66
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	457.22	93.68
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	598.80	112.62
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	303.33	79.66
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	341.47	84.38
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	410.72	89.03
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	453.28	98.61
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	551.28	103.61
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	307.91	75.23
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	364.31	84.52
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	531.55	94.17
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	748.88	112.77
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	331.58	79.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	440.43	84.38
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	464.41	89.03
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	495.66	98.54
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	638.42	103.19
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	202.91	56.07
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	236.46	63.40
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	289.77	70.65
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	494.48	84.59
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	224.46	61.07
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	251.60	65.93
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	274.93	68.32
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	378.86	75.37
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	388.04	77.69
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	436.47	79.80
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	327.55	75.09
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	415.16	84.45
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	607.41	93.89
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	729.44	112.98
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	357.03	79.66
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	431.94	84.31
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	450.27	89.03
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	501.32	98.54
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	638.42	103.19
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	153.18	39.94
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	173.67	42.26
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	204.04	49.31
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	245.60	46.84
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	260.42	49.17
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	275.24	51.49
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	142.64	32.89
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	166.08	37.19
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	196.04	42.12
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	365.41	51.27
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	61.99	18.73
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	73.80	20.92
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	80.32	23.39
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	104.18	27.96
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	267.91	37.19
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	274.87	41.84
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	341.66	46.77
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	437.45	55.93
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	376.72	40.01
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	522.37	44.65
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	633.94	49.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	789.51	58.74
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	507.72	42.48
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	808.68	46.98
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	530.10	42.26
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	808.68	46.98
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	470.70	42.26
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	554.11	46.98
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	547.07	42.26
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,218.81	46.98
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	718.16	46.98
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	189.29	37.61
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	250.08	42.26
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	93.17	28.18
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	178.72	30.56
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	126.37	35.22
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	178.92	40.08
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	196.30	42.26
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	219.62	44.58
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	234.96	49.17
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	219.65	44.65
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	231.62	46.98
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.79	51.49
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	286.10	49.31
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	353.93	58.74
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	67.88	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	79.20	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	84.85	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	93.34	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	494.88	18.80
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	186.63	9.37
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	350.68	9.37
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,764.43	93.96
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,184.42	98.68
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,490.56	9.37
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		**Acid Neutralization Tank** *(22 66 83 16)*		
22 66 83 16-0002		**Polyethylene Acid Neutralization Tank** *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	378.20	143.35
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	696.27	198.78
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	859.29	286.70
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,100.78	382.26
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,419.13	458.71
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,950.84	573.39
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,241.75	716.74
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,923.93	860.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,309.17	1,032.10
22 66 83 16-0012		**Polypropylene Acid Neutralization Tank** *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	640.10	143.35
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,110.94	198.78
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,562.12	286.70
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,058.99	382.26
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,603.86	458.71
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,363.19	573.39
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,647.88	716.74
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	5,379.19	860.09
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	5,797.16	1,032.10
22 66 83 16-0022		**Chemical Dilution Trap** *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	309.18	47.78
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	318.91	47.78
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	328.63	47.78
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	360.61	57.34

END OF SECTION 22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	353.16
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	504.43
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	530.00
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	584.53
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,058.66
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	474.72
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	682.09
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	722.39
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	808.00
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,468.80
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	562.58
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	827.82
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	1,967.37
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	3,070.91
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,769.98

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping And Pumps Restoration *(23 01 20)*

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve	19.11
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve	22.93
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve	26.76
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve	30.58
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve	38.22
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System	15.29
23 01 20 91-0008	EA	Lock Out/Tag Out Tag	2.40

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	115.36

23 01 20 91-0011 Freeze Pipe Using Nitrogen *(23 01 20 91)*

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen Note: For each location. Includes freezing on each side of valve or fitting.	1,010.37
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen Note: For each location. Includes freezing on each side of valve or fitting.	2,020.75

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.28
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	1.76
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	2.72
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	3.76
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	4.66
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	5.90
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	7.77
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	9.31

23 01 20 91-0023 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	158.07

23 01 20 91-0025 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System	251.66
23 01 20 91-0027	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System	359.42
23 01 20 91-0028	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System	430.66
23 01 20 91-0029	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	455.27
23 01 20 91-0030	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	869.14
23 01 20 91-0031	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	334.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0032	EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	478.03	
23 01 20 91-0033	EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	569.08	
23 01 20 91-0034	EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	605.10	
23 01 20 91-0035	EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,165.92	
23 01 20 91-0036	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	412.99	
23 01 20 91-0037	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	590.16	
23 01 20 91-0038	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	1,679.19	
23 01 20 91-0039	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	2,664.80	

23 01 20 91-0040 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0041	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	228.59	
23 01 20 91-0042	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	287.74	
23 01 20 91-0043	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	398.39	
23 01 20 91-0044	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	608.85	
23 01 20 91-0045	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	751.51	
23 01 20 91-0046	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,134.00	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Special Cleaning Of Ductwork *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	2.30	
		For Exhaust Ductwork, Add	*0.58*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	2.88	
		For Exhaust Ductwork, Add	*0.72*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.87	
		For Exhaust Ductwork, Add	*0.97*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.48	
		For Exhaust Ductwork, Add	*1.37*	
23 01 30 51-0006	SF	Clean Duct Dampers	7.74	
23 01 30 51-0007	SF	Clean Duct Fire Dampers	15.47	
23 01 30 51-0008	SF	Clean Louver	6.19	
23 01 30 51-0009	EA	Clean Turning Vane Set	18.57	
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	18.57	
23 01 30 51-0011	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	4.64	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	80.39	
		For Stainless Steel, Add	*77.62*	
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	55.69	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	74.26	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU) Unit	74.26	
23 01 30 51-0016	EA	Clean Supply Or Return Fan	148.51	
23 01 30 51-0017	EA	Clean Exhaust Fan	129.95	
23 01 30 51-0018	EA	Clean Duct Coil	111.38	
23 01 30 51-0019	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	3.72	
23 01 30 51-0020	EA	Clean Air Handling Unit Fan	148.51	
23 01 30 51-0021	EA	Clean Air Handling Unit Coil	222.77	
23 01 30 51-0022	SF	Clean Equipment Surfaces, Rust Reform And Prime	2.00	
23 01 30 51-0023	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	2.37	
23 01 30 51-0024	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.54	
23 01 30 51-0025	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	558.09	
23 01 30 51-0026	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.33	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair And Sealing Of Ductwork Note: Clean, apply sealant and tape	1.37	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Setup And Maintenance *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	1,724.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	1,860.60	
		For Burner Seals, Add	*572.47*	
		Note: Used when burner must be removed from door for maintenance.		
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,299.60	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,149.81	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,299.60	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	71.86	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	215.59	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	8.09	

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	172.46	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	215.60	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	301.82	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	6.07	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	7.05	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	8.03	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	11.47	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	13.41	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	17.11	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	21.56	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	32.34	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	43.12	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	53.89	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	64.68	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	75.46	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	64.68	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	86.23	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	107.79	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	129.35	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	150.91	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	172.46	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	234.54	

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,041.71	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,442.69	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	1,737.98	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	3,826.70	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	2,893.23	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	3,245.76	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	6,293.38	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	5,008.48	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	5,189.60	

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	86.70	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,244.42	

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)*

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	6,272.44	750.47
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	9,034.89	929.13
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	10,674.73	1,125.63
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	12,581.17	1,212.05

23 01 50 61-0052 Boiler And Chiller Water Treatment *(23 01 50 61)*

Note: 3 LB chemical per 50 gallon system water.

23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	0.97	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	1.46	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	90.97	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001 Cooling Tower Repairs *(23 01 60 61)*

23 01 60 61-0002	EA	Removal And Replacement Of 6' Diameter 4 Blade, Cooling Tower Fan Blade	2,026.92
23 01 60 61-0003	EA	Removal And Replacement Of 6' Diameter 5 Blade, Cooling Tower Fan Blade	2,388.29
23 01 60 61-0004	EA	Removal And Replacement Of 6' Diameter 6 Blade, Cooling Tower Fan Blade	2,747.01
23 01 60 61-0005	EA	Removal And Replacement Of 6' Diameter 7 Blade, Cooling Tower Fan Blade	3,244.23
23 01 60 61-0006	EA	Removal And Replacement Of 6' Diameter 8 Blade, Cooling Tower Fan Blade	3,575.26
23 01 60 61-0007	EA	Removal And Replacement Of 8' Diameter 4 Blade, Cooling Tower Fan Blade	2,238.89
23 01 60 61-0008	EA	Removal And Replacement Of 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,492.10
23 01 60 61-0009	EA	Removal And Replacement Of 8' Diameter 6 Blade, Cooling Tower Fan Blade	2,927.32
23 01 60 61-0010	EA	Removal And Replacement Of 8' Diameter 7 Blade, Cooling Tower Fan Blade	3,336.17
23 01 60 61-0011	EA	Removal And Replacement Of 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,675.13
23 01 60 61-0012	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 6' Diameter Fan	556.18
23 01 60 61-0013	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 8' Diameter Fan	577.74
23 01 60 61-0014	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 10' Diameter Fan	617.77
23 01 60 61-0015	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 12' Diameter Fan	719.77
23 01 60 61-0016	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 14' Diameter Fan	891.67
23 01 60 61-0017	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 16' Diameter Fan	1,204.70
23 01 60 61-0018	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 18' Diameter Fan	1,267.14
23 01 60 61-0019	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 20' Diameter Fan	1,360.81
23 01 60 61-0020	EA	Removal And Replacement Of Counterflow Nozzle (1/2" - 2" NPT Thread)	25.63
23 01 60 61-0021	EA	Removal And Replacement Of 6' Polyvinyl Chloride (PVC) Splash Fill	15.74

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*

23 01 60 71-0002	LB	Recovery Of Refrigerant	5.99
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	11.24

23 05 Common Work Results For HVAC *(23)*

23 05 13 Common Motor Requirements For HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	473.77
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	536.46
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	628.95
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	528.24
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	561.12
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	735.83
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	620.73
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	601.20
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	752.28
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	628.95
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	648.48
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	957.82
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	686.50
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	710.14
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,254.82
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,089.36
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,044.14
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,504.55
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,245.57
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,264.07
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,957.77
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,769.70
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,790.25
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,640.16
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,079.04
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,247.58
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,213.62
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,496.28
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,739.85
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,881.62
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,945.39
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,995.75
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,049.14
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,795.30
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,908.34
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,133.41
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,313.26
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,229.97
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,430.37
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,860.93

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,665.66	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,333.67	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,755.02	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,204.08	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,513.42	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,354.03	
23 05 13 00-0050		**Cast Iron Frame, Premium Efficient, Open Drip Proof Motors** *(23 05 13 00-0002)*		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	5,768.48	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	6,983.22	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,865.97	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,871.06	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,864.84	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,733.25	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,567.84	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,818.45	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,866.80	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,205.94	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,164.60	
23 05 13 00-0062		**Premium Efficient, TEFC Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		**Steel Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	553.93	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	610.45	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	726.58	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	627.92	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	634.09	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	687.53	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	657.73	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	762.55	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	726.58	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,166.44	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	845.80	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	795.44	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,317.51	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,267.15	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,146.91	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,284.62	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,294.90	
23 05 13 00-0081		**Cast Iron Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	790.30	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	884.85	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	834.49	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	819.08	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,053.39	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	877.66	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	858.13	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,069.84	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	947.54	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	974.26	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,332.93	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,166.44	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	975.29	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,546.69	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,350.40	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,301.07	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,205.44	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,582.66	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,459.33	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,517.86	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,180.78	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,995.79	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,358.52	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,393.51	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,420.23	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,471.52	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,123.18	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,165.32	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,059.37	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,711.02	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,755.22	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,844.53	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,087.12	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,910.35	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,283.31	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,565.00	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,366.65	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,801.22	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,817.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,722.14	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,682.94	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,095.14	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,029.37	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,440.31	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,213.23	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,882.17	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,968.40	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,068.93	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	821.13	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	902.32	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	996.87	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,400.76	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	934.18	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	919.79	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,166.44	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,742.98	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	977.34	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	959.87	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,181.86	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,198.25	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,156.16	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,214.74	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,705.98	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,384.26	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,422.34	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,236.32	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,728.59	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,795.30	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,856.03	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,556.97	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,473.67	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,339.98	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,976.27	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,864.25	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,213.62	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,062.45	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,528.14	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,375.01	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,684.30	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,758.16	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,949.50	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,547.67	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,005.93	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,704.67	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,544.54	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,333.86	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,230.99	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,321.48	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,958.70	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,743.77	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,937.02	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,179.61	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,405.56	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,221.70	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,079.87	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,953.32	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,029.37	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,148.63	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,229.63	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,094.07	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,521.64	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,884.18	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,687.98	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,498.89	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,371.26	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,908.84	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,776.27	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,494.49	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,478.09	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,310.58	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,852.03	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,696.85	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,824.29	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	27,314.21	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,095.53	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,134.58	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,237.35	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,529.22	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,695.70	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,336.99	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,385.29	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,229.03	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,681.22	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,836.36	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,428.31	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	7,098.32	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	7,994.48	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	11,183.43	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,128.87	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	15,993.07	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	20,903.42	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	23,850.86	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	125.75	63.98
23 05 13 00-0218	EA	3/4 HP Motor Mounting	144.89	79.98
23 05 13 00-0219	EA	1 HP Motor Mounting	154.99	79.98
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	166.62	79.98
23 05 13 00-0221	EA	2 HP Motor Mounting	180.13	95.97
23 05 13 00-0222	EA	3 HP Motor Mounting	208.27	95.97
23 05 13 00-0223	EA	5 HP Motor Mounting	246.83	159.95
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	317.37	159.95
23 05 13 00-0225	EA	10 HP Motor Mounting	416.54	279.91
23 05 13 00-0226	EA	15 HP Motor Mounting	512.66	279.91
23 05 13 00-0227	EA	20 HP Motor Mounting	605.88	399.88
23 05 13 00-0228	EA	25 HP Motor Mounting	687.07	399.88
23 05 13 00-0229	EA	30 HP Motor Mounting	833.07	399.88
23 05 13 00-0230	EA	40 HP Motor Mounting	938.68	599.81
23 05 13 00-0231	EA	50 HP Motor Mounting	1,041.35	599.81
23 05 13 00-0232	EA	75 HP Motor Mounting	1,257.47	879.72
23 05 13 00-0233	EA	100 HP Motor Mounting	1,514.68	879.72
23 05 13 00-0234	EA	125 HP Motor Mounting	1,851.27	1,199.62
23 05 13 00-0235	EA	150 HP Motor Mounting	2,149.87	1,199.62
23 05 13 00-0236	EA	200 HP Motor Mounting	2,468.36	1,439.55

23 05 16 Expansion Fittings And Loops For HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	147.18	61.65
		For 300 LB Rating, Add	*5.95*	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	165.05	69.53
		For 300 LB Rating, Add	*6.52*	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	193.34	79.70
		For 300 LB Rating, Add	*8.50*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	218.52	88.96
		For 300 LB Rating, Add	*10.20*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	236.52	95.61
		For 300 LB Rating, Add	*11.33*	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	272.54	112.50
		For 300 LB Rating, Add	*11.90*	

23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	622.11	61.67
		For 300 LB Rating, Add	*136.38*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	673.91	74.00
		For 300 LB Rating, Add	*145.30*	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	698.75	93.94
		For 300 LB Rating, Add	*145.32*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	752.49	102.19
		For 300 LB Rating, Add	*156.09*	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	824.63	119.81
		For 300 LB Rating, Add	*168.67*	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	979.45	200.85
		For 300 LB Rating, Add	*181.94*	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,368.32	226.95
		For 300 LB Rating, Add	*271.27*	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,245.61	252.17
		For 300 LB Rating, Add	*232.32*	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,604.78	322.21
		For 300 LB Rating, Add	*301.13*	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,048.42	392.26
		For 300 LB Rating, Add	*389.53*	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,708.46	297.14
		For 300 LB Rating, Add	*528.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,470.01	560.37
		For 300 LB Rating, Add	*692.39*	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,535.35	616.40
		For 300 LB Rating, Add	*941.21*	

23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	607.24	84.57
		For 300 LB Rating, Add	*109.54*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	637.37	85.27
		For 300 LB Rating, Add	*116.70*	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	643.24	88.10
		For 300 LB Rating, Add	*116.72*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	693.81	96.06
		For 300 LB Rating, Add	*125.37*	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	769.18	112.97
		For 300 LB Rating, Add	*135.75*	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,033.99	224.96
		For 300 LB Rating, Add	*146.13*	
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,344.80	237.25
		For 300 LB Rating, Add	*217.88*	
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,271.36	262.67
		For 300 LB Rating, Add	*186.60*	
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,566.87	300.15
		For 300 LB Rating, Add	*241.86*	
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,985.47	367.75
		For 300 LB Rating, Add	*312.86*	
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,588.96	445.78
		For 300 LB Rating, Add	*424.37*	
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,218.62	453.90
		For 300 LB Rating, Add	*577.65*	
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,275.98	567.38
		For 300 LB Rating, Add	*785.25*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	83.26	33.53
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	102.88	39.16
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	125.83	46.98
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	178.44	70.44
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	229.27	93.89
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	282.54	117.42

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	89.78	34.00
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	109.49	36.86
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	128.50	39.71
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	157.41	47.64
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	224.80	59.49
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	438.32	71.43
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	516.44	89.28
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	688.50	109.85
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	942.18	142.85
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,021.07	178.57

23 05 19 Meters And Gages For HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	85.24	24.48
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	103.14	24.48
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	103.14	24.48

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	121.05	24.48
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	121.05	24.48
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	158.48	24.48
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	125.93	24.48
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	134.07	24.48
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	163.36	24.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0013		Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*		
		Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	121.05	24.48
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	121.05	24.48
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	158.48	24.48
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	142.20	24.48
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	158.48	24.48
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	162.63	24.48
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	127.61	45.89
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	127.55	45.89
23 05 19 00-0023		Pressure Gauges *(23 05 19)*		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	29.55	9.56
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	39.15	9.56
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	187.00	9.56
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	187.00	9.56
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	244.02	9.56
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	579.77	9.56
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
		Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	86.47	9.56
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	194.17	9.56
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	310.48	9.56
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	310.48	9.56
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	310.48	9.56
23 05 19 00-0039		Gauge Accessories *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	60.26	7.65
23 05 19 00-0041	EA	1/4" Snubber Valve	36.91	7.65
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	23.20	11.48
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	19.94	11.48
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	21.82	11.48
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	4.58	3.83
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	49.03	19.13
23 05 19 00-0047	EA	1/4", 300 LB, Black Steel Union	53.44	7.65
23 05 19 00-0048	EA	1/4" Black Steel Coupling	16.71	7.65
23 05 19 00-0049	EA	1/4", 300 LB, Black Steel Plug	9.50	4.58
23 05 19 00-0050	EA	1/4", 150 LB, Black Steel Cap	9.97	4.58
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	5.51	2.52
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	5.14	2.52
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	5.05	
23 05 19 00-0054	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve	73.88	
23 05 19 00-0055		Valve Lock Covers *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	52.93	11.70
23 05 19 00-0057		Venturi Flowmeters *(23 05 19)*		
23 05 19 00-0058		Threaded, Brass, Venturi Flowmeters *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter	200.42	52.00
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter	221.33	62.41
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	244.12	69.37
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	275.14	78.01
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter	327.55	89.18
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	452.53	126.68
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0065		Butt Weld, Carbon Steel, Venturi Flowmeters *(23 05 19 00-0057)*		
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	761.79	107.14
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*191.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,041.90	128.56
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*274.67*	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	1,361.70	160.71
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*364.10*	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	1,633.08	214.28
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*421.59*	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	2,357.57	257.13
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*645.16*	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	3,800.16	321.42
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,105.07*	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	5,720.57	469.47
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,673.57*	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	8,051.58	704.21
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,325.11*	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	11,876.43	782.46
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,609.03*	
23 05 19 00-0075		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	528.60	57.37
23 05 19 00-0077		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0078		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	101.66	11.13
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	106.19	11.71
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	114.83	12.31
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	128.78	16.59
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	153.95	20.10
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	174.77	25.46
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	247.21	29.43
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	274.05	34.79
23 05 19 00-0087		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	131.93	11.13
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	135.80	11.71
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	146.46	12.31
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	155.70	16.59
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	165.39	20.10
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	179.48	25.46
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	338.72	29.43
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	362.86	34.79
23 05 19 00-0096		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	190.47	11.13
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	201.06	11.71
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	218.45	12.31
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	237.79	16.59
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	273.05	20.10
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	289.16	25.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	580.94	29.43
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	611.82	34.79
23 05 19 00-0105		**Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	129.92	11.13
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	135.12	11.71
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	143.09	12.31
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	155.03	16.59
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	164.72	20.10
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	179.48	25.46
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	334.68	29.43
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	357.48	34.79
23 05 19 00-0114		**Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	189.13	11.13
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	203.75	11.71
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	222.49	12.31
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	237.79	16.59
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	273.05	20.10
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	291.85	25.46
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	580.94	29.43
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	611.82	34.79
23 05 19 00-0123		**Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	278.43	20.10
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	313.38	25.46
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	356.21	29.43
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	400.54	34.79
23 05 19 00-0128		**Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	613.64	80.28
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	686.22	101.91
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,008.75	119.74
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,523.58	200.74
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,472.36	252.06
23 05 19 00-0134		**Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	470.46	57.34
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	555.44	66.90
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	599.84	80.28
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	751.82	101.91
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,089.16	119.74
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,610.72	200.74
23 05 19 00-0141		**Water Flow Switches** *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	175.52	22.56
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	181.68	22.56
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	233.72	22.56
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	241.60	22.56
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	189.56	22.56
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	196.74	22.56
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	247.76	22.56
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	254.94	22.56
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	486.35	22.56
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	493.31	22.56
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	559.46	22.56
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	569.03	22.56
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	502.88	22.56
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	512.46	22.56
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	575.99	22.56
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	586.44	22.56

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0003	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	65.87	7.64
		For 150 LB Rating, Add	*4.36*	
		For 200 LB Rating, Add	*6.54*	
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0004	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	67.04	7.64
		For 150 LB Rating, Add	*4.36*	
		For 200 LB Rating, Add	*6.54*	
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0005	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	68.53	7.64
		For 150 LB Rating, Add	*4.39*	
		For 200 LB Rating, Add	*6.58*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0006	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	80.38	8.41
		For 150 LB Rating, Add	*4.71*	
		For 200 LB Rating, Add	*7.07*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0007	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	97.99	9.56
		For 150 LB Rating, Add	*5.78*	
		For 200 LB Rating, Add	*8.66*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	145.26	10.17
		For 150 LB Rating, Add	*9.43*	
		For 200 LB Rating, Add	*14.14*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	161.28	11.77
		For 150 LB Rating, Add	*10.25*	
		For 200 LB Rating, Add	*15.37*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0010	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	193.65	13.91
		For 150 LB Rating, Add	*12.42*	
		For 200 LB Rating, Add	*18.62*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	454.03	18.80
		For 150 LB Rating, Add	*36.01*	
		For 200 LB Rating, Add	*54.02*	
		For Chain Operated Type, Add	*162.05*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0012	EA	3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	533.31	21.84
		For 150 LB Rating, Add	*42.50*	
		For 200 LB Rating, Add	*63.74*	
		For Work In Restricted Working Space, Add	*32.51*	

23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

23 05 23 00-0014	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	80.40	7.64
		For 150 LB Rating, Add	*5.81*	
		For 200 LB Rating, Add	*8.72*	
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0015	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	81.44	7.64
		For 150 LB Rating, Add	*5.80*	
		For 200 LB Rating, Add	*8.70*	
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0016	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	95.39	7.64
		For 150 LB Rating, Add	*7.07*	
		For 200 LB Rating, Add	*10.61*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0017	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	107.24	8.41
		For 150 LB Rating, Add	*7.40*	
		For 200 LB Rating, Add	*11.10*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0018	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	128.63	9.56
		For 150 LB Rating, Add	*8.84*	
		For 200 LB Rating, Add	*13.26*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0019	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	187.16	10.17
		For 150 LB Rating, Add	*13.62*	
		For 200 LB Rating, Add	*20.43*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0020	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	214.00	11.77
		For 150 LB Rating, Add	*15.52*	
		For 200 LB Rating, Add	*23.28*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0021	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	275.10	13.91
		For 150 LB Rating, Add	*20.56*	
		For 200 LB Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*20.85*	

23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0023	EA	1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	51.39	7.64
		For 150 LB Rating, Add	*2.91*	
		For 200 LB Rating, Add	*4.37*	
		For 250 LB Rating, Add	*7.28*	
		For 300 LB Rating, Add	*10.20*	
		For Work In Restricted Working Space, Add	*6.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0024	EA	3/8" Diameter, 125 LB, Threaded Bronze Gate Valve	52.56	7.64
		For 150 LB Rating, Add	*2.91*	
		For 200 LB Rating, Add	*4.37*	
		For 250 LB Rating, Add	*7.28*	
		For 300 LB Rating, Add	*10.20*	
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0025	EA	1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	53.80	7.64
		For 150 LB Rating, Add	*2.91*	
		For 200 LB Rating, Add	*4.37*	
		For 250 LB Rating, Add	*7.28*	
		For 300 LB Rating, Add	*10.20*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0026	EA	3/4" Diameter, 125 LB, Threaded Bronze Gate Valve	68.00	8.41
		For 150 LB Rating, Add	*3.48*	
		For 200 LB Rating, Add	*5.21*	
		For 250 LB Rating, Add	*8.69*	
		For 300 LB Rating, Add	*12.17*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0027	EA	1" Diameter, 125 LB, Threaded Bronze Gate Valve	92.75	9.56
		For 150 LB Rating, Add	*5.25*	
		For 200 LB Rating, Add	*7.88*	
		For 250 LB Rating, Add	*13.13*	
		For 300 LB Rating, Add	*18.38*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0028	EA	1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	121.77	10.17
		For 150 LB Rating, Add	*7.08*	
		For 200 LB Rating, Add	*10.62*	
		For 250 LB Rating, Add	*17.70*	
		For 300 LB Rating, Add	*24.78*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0029	EA	1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	148.03	11.77
		For 150 LB Rating, Add	*8.92*	
		For 200 LB Rating, Add	*13.38*	
		For 250 LB Rating, Add	*22.31*	
		For 300 LB Rating, Add	*31.23*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0030	EA	2" Diameter, 125 LB, Threaded Bronze Gate Valve	191.40	13.91
		For 150 LB Rating, Add	*12.19*	
		For 200 LB Rating, Add	*18.29*	
		For 250 LB Rating, Add	*30.48*	
		For 300 LB Rating, Add	*42.67*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0031	EA	2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	441.57	18.80
		For 150 LB Rating, Add	*34.77*	
		For 200 LB Rating, Add	*52.15*	
		For 250 LB Rating, Add	*86.92*	
		For 300 LB Rating, Add	*121.68*	
		For Chain Operated Type, Add	*156.45*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0032	EA	3" Diameter, 125 LB, Threaded Bronze Gate Valve	523.95	21.84
		For 150 LB Rating, Add	*41.56*	
		For 200 LB Rating, Add	*62.34*	
		For 250 LB Rating, Add	*103.90*	
		For 300 LB Rating, Add	*145.46*	
		For Chain Operated Type, Add	*187.02*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0033	EA	4" Diameter, 125 LB, Threaded Bronze Gate Valve	1,113.30	24.65
		For 150 LB Rating, Add	*99.00*	
		For 200 LB Rating, Add	*148.51*	
		For 250 LB Rating, Add	*247.51*	
		For 300 LB Rating, Add	*346.51*	
		For Chain Operated Type, Add	*445.52*	
		For Work In Restricted Working Space, Add	*36.98*	

23 05 23 00-0034 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves *(23 05 23 00-0001)*

Note: 200 psi cold working pressure.

23 05 23 00-0035	EA	1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	89.36	7.64
		For Work In Restricted Working Space, Add	*5.16*	
23 05 23 00-0036	EA	3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	100.61	8.41
		For Work In Restricted Working Space, Add	*5.88*	
23 05 23 00-0037	EA	1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	132.53	9.56
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0038	EA	1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	181.48	10.17
		For Work In Restricted Working Space, Add	*7.74*	
23 05 23 00-0039	EA	1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	210.53	11.77
		For Work In Restricted Working Space, Add	*8.60*	
23 05 23 00-0040	EA	2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	290.43	13.91
		For Work In Restricted Working Space, Add	*10.32*	

23 05 23 00-0041 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0042	EA	1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	230.89	11.77
		For 150 LB Rating, Add	*34.42*	
		For 250 LB Rating, Add	*60.23*	
		For Chain Operated Type, Add	*60.23*	
		For Work In Restricted Working Space, Add	*17.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0043	EA	2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	360.27	13.91
		For 150 LB Rating, Add	*58.15*	
		For 250 LB Rating, Add	*101.77*	
		For Chain Operated Type, Add	*101.77*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0044	EA	2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	531.22	18.80
		For 150 LB Rating, Add	*87.46*	
		For 250 LB Rating, Add	*153.06*	
		For Chain Operated Type, Add	*153.06*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0045	EA	3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	682.14	21.84
		For 150 LB Rating, Add	*114.76*	
		For 250 LB Rating, Add	*200.82*	
		For Chain Operated Type, Add	*200.82*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0046	EA	4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,667.81	24.65
		For 150 LB Rating, Add	*308.91*	
		For 250 LB Rating, Add	*540.59*	
		For Chain Operated Type, Add	*540.59*	
		For Work In Restricted Working Space, Add	*36.98*	

23 05 23 00-0047 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0048	EA	1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	333.00	80.28
		For 150 LB Rating, Add	*67.40*	
		For 250 LB Rating, Add	*116.21*	
		For 300 LB Rating, ASTM A182, Add	*282.71*	
		For Chain Operated Type, Add	*116.21*	
		For Work In Restricted Working Space, Add	*30.18*	
23 05 23 00-0049	EA	2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	370.49	101.91
		For 150 LB Rating, Add	*70.49*	
		For 250 LB Rating, Add	*121.54*	
		For 300 LB Rating, ASTM A182, Add	*306.78*	
		For Chain Operated Type, Add	*121.54*	
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0050	EA	2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	419.70	102.13
		For 150 LB Rating, Add	*84.58*	
		For 250 LB Rating, Add	*145.82*	
		For 300 LB Rating, ASTM A182, Add	*355.67*	
		For Chain Operated Type, Add	*145.82*	
		For Work In Restricted Working Space, Add	*38.42*	
23 05 23 00-0051	EA	3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	514.39	119.74
		For 150 LB Rating, Add	*105.71*	
		For 250 LB Rating, Add	*182.27*	
		For 300 LB Rating, ASTM A182, Add	*439.46*	
		For Chain Operated Type, Add	*182.27*	
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0052	EA	4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	737.62	200.74
		For 150 LB Rating, Add	*140.96*	
		For 250 LB Rating, Add	*243.03*	
		For 300 LB Rating, ASTM A182, Add	*611.84*	
		For Chain Operated Type, Add	*243.03*	
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0053	EA	5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	914.95	226.86
		For 150 LB Rating, Add	*183.23*	
		For 250 LB Rating, Add	*315.91*	
		For 300 LB Rating, ASTM A182, Add	*773.39*	
		For Chain Operated Type, Add	*315.91*	
		For Work In Restricted Working Space, Add	*84.94*	
23 05 23 00-0054	EA	6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,093.75	252.06
		For 150 LB Rating, Add	*225.49*	
		For 250 LB Rating, Add	*388.77*	
		For 300 LB Rating, ASTM A182, Add	*935.65*	
		For Chain Operated Type, Add	*388.77*	
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0055	EA	8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,688.10	322.08
		For 150 LB Rating, Add	*373.52*	
		For 250 LB Rating, Add	*644.01*	
		For 300 LB Rating, ASTM A182, Add	*1,488.06*	
		For Chain Operated Type, Add	*644.01*	
		For Work In Restricted Working Space, Add	*120.03*	
23 05 23 00-0056	EA	10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,191.14	392.10
		For 150 LB Rating, Add	*493.30*	
		For 250 LB Rating, Add	*850.51*	
		For 300 LB Rating, ASTM A182, Add	*1,946.08*	
		For Chain Operated Type, Add	*850.51*	
		For Work In Restricted Working Space, Add	*147.04*	
23 05 23 00-0057	EA	12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,024.25	476.12
		For 150 LB Rating, Add	*704.75*	
		For 250 LB Rating, Add	*1,215.08*	
		For 300 LB Rating, ASTM A182, Add	*2,727.21*	
		For Chain Operated Type, Add	*1,215.08*	
		For Work In Restricted Working Space, Add	*178.23*	

23 05 23 00-0058 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0059	EA	1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	480.61	11.77
		For 175 LB Rating, Add	*210.90*	
		For 250 LB Rating, Add	*316.35*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0060	EA	2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	614.78	13.91
		For 175 LB Rating, Add	*272.64*	
		For 250 LB Rating, Add	*408.96*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0061	EA	2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	708.78	18.80
		For 175 LB Rating, Add	*307.44*	
		For 250 LB Rating, Add	*461.15*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0062	EA	3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	786.81	21.84
		For 175 LB Rating, Add	*339.23*	
		For 250 LB Rating, Add	*508.84*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0063	EA	4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,060.11	24.65
		For 175 LB Rating, Add	*468.43*	
		For 250 LB Rating, Add	*702.64*	
		For Work In Restricted Working Space, Add	*36.98*	

23 05 23 00-0064 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0065	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	435.63	80.28
		For 150 LB Rating, Add	*50.26*	
		For 175 LB Rating, Add	*103.86*	
		For 250 LB Rating, Add	*217.78*	
		For Chain Operated Type, Add	*167.52*	
		For Work In Restricted Working Space, Add	*30.18*	
23 05 23 00-0066	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	472.42	101.91
		For 150 LB Rating, Add	*51.75*	
		For 175 LB Rating, Add	*106.95*	
		For 250 LB Rating, Add	*224.25*	
		For Chain Operated Type, Add	*172.50*	
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0067	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	484.32	102.13
		For 150 LB Rating, Add	*53.44*	
		For 175 LB Rating, Add	*110.44*	
		For 250 LB Rating, Add	*231.57*	
		For Chain Operated Type, Add	*178.13*	
		For Work In Restricted Working Space, Add	*38.42*	
23 05 23 00-0068	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	541.84	119.74
		For 150 LB Rating, Add	*58.80*	
		For 175 LB Rating, Add	*121.51*	
		For 250 LB Rating, Add	*254.79*	
		For Chain Operated Type, Add	*195.99*	
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0069	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	726.93	200.74
		For 150 LB Rating, Add	*71.31*	
		For 175 LB Rating, Add	*147.36*	
		For 250 LB Rating, Add	*308.99*	
		For Chain Operated Type, Add	*237.69*	
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0070	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	946.37	226.86
		For 150 LB Rating, Add	*99.49*	
		For 175 LB Rating, Add	*205.60*	
		For 250 LB Rating, Add	*431.11*	
		For Chain Operated Type, Add	*331.62*	
		For Work In Restricted Working Space, Add	*84.94*	
23 05 23 00-0071	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,073.65	252.06
		For 150 LB Rating, Add	*113.62*	
		For 175 LB Rating, Add	*234.81*	
		For 250 LB Rating, Add	*492.34*	
		For Chain Operated Type, Add	*378.72*	
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0072	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,681.14	322.08
		For 150 LB Rating, Add	*192.16*	
		For 175 LB Rating, Add	*397.13*	
		For 250 LB Rating, Add	*832.68*	
		For Chain Operated Type, Add	*640.53*	
		For Work In Restricted Working Space, Add	*120.03*	
23 05 23 00-0073	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,461.65	392.10
		For 150 LB Rating, Add	*295.73*	
		For 175 LB Rating, Add	*611.17*	
		For 250 LB Rating, Add	*1,281.49*	
		For Chain Operated Type, Add	*985.77*	
		For Work In Restricted Working Space, Add	*147.04*	
23 05 23 00-0074	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,092.84	476.12
		For 150 LB Rating, Add	*374.81*	
		For 175 LB Rating, Add	*774.61*	
		For 250 LB Rating, Add	*1,624.19*	
		For Chain Operated Type, Add	*1,249.38*	
		For Work In Restricted Working Space, Add	*178.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0075	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	6,118.90	632.27
		For 150 LB Rating, Add	*799.28*	
		For 175 LB Rating, Add	*1,651.85*	
		For 250 LB Rating, Add	*3,463.56*	
		For Work In Restricted Working Space, Add	*237.11*	
23 05 23 00-0076	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,956.89	695.50
		For 150 LB Rating, Add	*1,063.13*	
		For 175 LB Rating, Add	*2,197.13*	
		For 250 LB Rating, Add	*4,606.88*	
		For Work In Restricted Working Space, Add	*260.81*	
23 05 23 00-0077	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	10,886.86	771.38
		For 150 LB Rating, Add	*1,488.40*	
		For 175 LB Rating, Add	*3,076.02*	
		For 250 LB Rating, Add	*6,449.72*	
		For Work In Restricted Working Space, Add	*289.27*	
23 05 23 00-0078	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	13,842.45	869.38
		For 150 LB Rating, Add	*1,913.36*	
		For 175 LB Rating, Add	*3,954.27*	
		For 250 LB Rating, Add	*8,291.22*	
		For Work In Restricted Working Space, Add	*326.02*	
23 05 23 00-0079	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	18,930.51	1,066.97
		For 150 LB Rating, Add	*2,639.52*	
		For 175 LB Rating, Add	*5,455.01*	
		For 250 LB Rating, Add	*11,437.92*	
		For Work In Restricted Working Space, Add	*400.11*	
23 05 23 00-0080	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	39,566.65	1,738.76
		For 150 LB Rating, Add	*5,608.98*	
		For 175 LB Rating, Add	*11,591.89*	
		For 250 LB Rating, Add	*24,305.58*	
		For Work In Restricted Working Space, Add	*652.04*	
23 05 23 00-0081	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	50,409.29	2,318.35
		For 150 LB Rating, Add	*7,126.70*	
		For 175 LB Rating, Add	*14,728.52*	
		For 250 LB Rating, Add	*30,882.38*	
		For Work In Restricted Working Space, Add	*869.38*	

23 05 23 00-0082 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 psig at 850 degrees F.

23 05 23 00-0083	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	143.15	7.64
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0084	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	145.56	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0085	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	170.34	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0086	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	206.83	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0087	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	319.75	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0088	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	378.71	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0089	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	477.86	13.91
		For Work In Restricted Working Space, Add	*20.85*	

23 05 23 00-0090 Ball Valves *(23 05 23)*

23 05 23 00-0091 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0090)*

Note: 125 LB WSP.

23 05 23 00-0092	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	33.73	7.64
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*4.08*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0093	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	47.17	8.41
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.27*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0094	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	59.05	9.56
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*8.46*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0095	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	82.55	10.17
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.21*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0096	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	99.14	11.77
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*18.15*	
		For Work In Restricted Working Space, Add	*17.64*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0097	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	120.02	13.91
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*22.73*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0098	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	332.34	18.80
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*107.29*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0099	EA	3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	383.46	21.84
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*123.80*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0100	EA	4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	498.31	24.65
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*168.77*	
		For Work In Restricted Working Space, Add	*36.98*	

23 05 23 00-0101 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0090)*

23 05 23 00-0102	EA	1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	39.60	7.64
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0103	EA	1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	43.49	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0104	EA	3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	60.46	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0105	EA	1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	76.84	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0106	EA	1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	113.53	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0107	EA	1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	138.06	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0108	EA	2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	178.62	13.91
		For Work In Restricted Working Space, Add	*20.85*	

23 05 23 00-0109 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0090)*

23 05 23 00-0110	EA	4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,135.98	200.74
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0111	EA	6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,944.57	252.06
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0112	EA	8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	4,232.90	322.08
		For Work In Restricted Working Space, Add	*120.03*	

23 05 23 00-0113 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0090)*

23 05 23 00-0114	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	29.58	7.64
		For True Union Socket Or Thread Type, Add	*3.26*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0115	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	38.89	8.41
		For True Union Socket Or Thread Type, Add	*4.01*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0116	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	48.12	9.56
		For True Union Socket Or Thread Type, Add	*5.26*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0117	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	61.31	10.17
		For True Union Socket Or Thread Type, Add	*6.81*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0118	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	76.81	11.77
		For True Union Socket Or Thread Type, Add	*10.29*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0119	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	92.44	13.91
		For True Union Socket Or Thread Type, Add	*12.82*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0120	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	143.26	18.80
		For True Union Socket Or Thread Type, Add	*24.67*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0121	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	192.28	21.84
		For True Union Socket Or Thread Type, Add	*39.26*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0122	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	283.71	24.65
		For True Union Socket Or Thread Type, Add	*70.65*	
		For Work In Restricted Working Space, Add	*36.98*	

23 05 23 00-0123 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0090)*

23 05 23 00-0124	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	60.64	11.47
		For Full Port, Add	*12.26*	
		For Work In Restricted Working Space, Add	*10.02*	
23 05 23 00-0125	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	62.40	11.47
		For Full Port, Add	*12.26*	
		For Work In Restricted Working Space, Add	*10.55*	
23 05 23 00-0126	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	64.25	11.47
		For Full Port, Add	*12.26*	
		For Work In Restricted Working Space, Add	*11.10*	
23 05 23 00-0127	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	78.75	12.61
		For Full Port, Add	*13.00*	
		For Work In Restricted Working Space, Add	*14.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0128	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	103.16	14.33
		For Full Port, Add	*19.26*	
		For Work In Restricted Working Space, Add	*18.11*	
23 05 23 00-0129	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	135.02	15.25
		For Full Port, Add	*26.36*	
		For Work In Restricted Working Space, Add	*22.94*	
23 05 23 00-0130	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	166.09	17.66
		For Full Port, Add	*35.05*	
		For Work In Restricted Working Space, Add	*26.46*	
23 05 23 00-0131	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	230.99	20.87
		For Full Port, Add	*57.03*	
		For Work In Restricted Working Space, Add	*31.28*	
23 05 23 00-0132	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	448.45	28.21
		For Full Port, Add	*138.41*	
		For Work In Restricted Working Space, Add	*42.26*	
23 05 23 00-0133	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	650.96	32.75
		For Full Port, Add	*219.78*	
		For Work In Restricted Working Space, Add	*48.77*	

23 05 23 00-0134 Three Piece Ball Valves *(23 05 23 00-0090)*

23 05 23 00-0135 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0134)*

23 05 23 00-0136	EA	1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	60.15	7.64
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0137	EA	3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	61.32	7.64
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0138	EA	1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	68.59	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0139	EA	3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	87.14	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0140	EA	1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	111.03	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0141	EA	1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	152.73	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0142	EA	1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	190.53	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0143	EA	2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	308.18	13.91
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0144	EA	2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	656.86	19.95
		For Work In Restricted Working Space, Add	*30.57*	

23 05 23 00-0145 Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0134)*

23 05 23 00-0146	EA	1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	69.29	7.64
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0147	EA	3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve	75.76	7.64
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0148	EA	1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve	80.38	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0149	EA	3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	127.44	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0150	EA	1" Threaded, Carbon Steel Body, Three Piece Ball Valve	162.53	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0151	EA	1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	244.79	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0152	EA	1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve	310.65	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0153	EA	2" Threaded, Carbon Steel Body, Three Piece Ball Valve	403.07	13.91
		For Work In Restricted Working Space, Add	*20.85*	

23 05 23 00-0154 Threaded, Stainless Steel Body, Three Piece Ball Valves *(23 05 23 00-0134)*

23 05 23 00-0155	EA	1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve	174.35	7.64
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0156	EA	3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve	186.84	7.64
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0157	EA	1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve	196.95	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0158	EA	3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve	285.41	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0159	EA	1" Threaded, Stainless Steel Body, Three Piece Ball Valve	347.92	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0160	EA	1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve	406.82	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0161	EA	1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve	543.62	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0162	EA	2" Threaded, Stainless Steel Body, Three Piece Ball Valve	706.67	13.91
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0163	EA	3" Threaded, Stainless Steel Body, Three Piece Ball Valve	1,850.24	23.70
		For Work In Restricted Working Space, Add	*35.29*	

23 05 23 00-0164 Crimped Bronze, Ball Valves *(23 05 23 00-0090)*

23 05 23 00-0165 Crimped Bronze, 250 PSI, Ball Valves *(23 05 23 00-0164)*

Note: Nibco®

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0166	EA	1/2" Crimped Bronze, 250 PSI, Ball Valve	60.78	7.64
		For Work In Restricted Working Space, Add	*5.16*	
23 05 23 00-0167	EA	3/4" Crimped Bronze, 250 PSI, Ball Valve	78.98	8.41
		For Work In Restricted Working Space, Add	*5.88*	
23 05 23 00-0168	EA	1" Crimped Bronze, 250 PSI, Ball Valve	101.59	9.56
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0169	EA	1-1/4" Crimped Bronze, 250 PSI, Ball Valve	165.63	10.17
		For Work In Restricted Working Space, Add	*7.74*	
23 05 23 00-0170	EA	1-1/2" Crimped Bronze, 250 PSI, Ball Valve	219.59	11.77
		For Work In Restricted Working Space, Add	*8.60*	
23 05 23 00-0171	EA	2" Crimped Bronze, 250 PSI, Ball Valve	332.05	13.91
		For Work In Restricted Working Space, Add	*10.32*	

23 05 23 00-0172 Crimped Bronze, 200 PSI, Full Port Ball Valves *(23 05 23 00-0164)*

23 05 23 00-0173	EA	1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	45.51	7.64
23 05 23 00-0174	EA	3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	59.38	8.41
23 05 23 00-0175	EA	1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	72.40	9.56
23 05 23 00-0176	EA	1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	105.40	10.17
23 05 23 00-0177	EA	1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	138.87	11.77
23 05 23 00-0178	EA	2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	210.42	13.91

23 05 23 00-0179 Crimped Bronze, 250 PSI, Full Port Ball Valves *(23 05 23 00-0164)*

23 05 23 00-0180	EA	1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	53.93	7.64
23 05 23 00-0181	EA	3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	65.51	8.41
23 05 23 00-0182	EA	1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	82.19	9.56
23 05 23 00-0183	EA	1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	136.01	10.17
23 05 23 00-0184	EA	1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	204.68	11.77
23 05 23 00-0185	EA	2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	286.95	13.91

23 05 23 00-0186 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(23 05 23 00-0164)*

23 05 23 00-0187	EA	1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	51.64	7.64
23 05 23 00-0188	EA	3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	63.36	8.41
23 05 23 00-0189	EA	1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	77.29	9.56

23 05 23 00-0190 Globe Valves *(23 05 23)*

23 05 23 00-0191 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves *(23 05 23 00-0190)*

23 05 23 00-0192	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	57.83	7.64
		For 150 LB Rating, Add	*10.28*	
		For 200 LB Rating, Add	*12.60*	
		For 250 LB Rating, Add	*14.92*	
		For 300 LB Rating, Add	*18.24*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0193	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	55.42	7.64
		For 150 LB Rating, Add	*10.28*	
		For 200 LB Rating, Add	*12.60*	
		For 250 LB Rating, Add	*14.92*	
		For 300 LB Rating, Add	*18.24*	
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0194	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	72.93	7.64
		For 150 LB Rating, Add	*15.35*	
		For 200 LB Rating, Add	*18.81*	
		For 250 LB Rating, Add	*22.28*	
		For 300 LB Rating, Add	*27.23*	
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0195	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	74.17	7.64
		For 150 LB Rating, Add	*15.35*	
		For 200 LB Rating, Add	*18.81*	
		For 250 LB Rating, Add	*22.28*	
		For 300 LB Rating, Add	*27.23*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*64.32*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0196	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	86.90	8.03
		For 150 LB Rating, Add	*16.63*	
		For 200 LB Rating, Add	*20.39*	
		For 250 LB Rating, Add	*24.15*	
		For 300 LB Rating, Add	*29.51*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*72.32*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0197	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	112.77	8.03
		For 150 LB Rating, Add	*22.48*	
		For 200 LB Rating, Add	*27.56*	
		For 250 LB Rating, Add	*32.64*	
		For 300 LB Rating, Add	*39.89*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*95.88*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0198	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	176.23	10.17
		For 150 LB Rating, Add	*38.83*	
		For 200 LB Rating, Add	*47.60*	
		For 250 LB Rating, Add	*56.37*	
		For 300 LB Rating, Add	*68.89*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*158.17*	
		For Work In Restricted Working Space, Add	*15.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0199	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	237.82	11.77
		For 150 LB Rating, Add	*55.49*	
		For 200 LB Rating, Add	*68.02*	
		For 250 LB Rating, Add	*80.55*	
		For 300 LB Rating, Add	*98.46*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*220.44*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0200	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	279.95	13.91
		For 150 LB Rating, Add	*65.24*	
		For 200 LB Rating, Add	*79.97*	
		For 250 LB Rating, Add	*94.70*	
		For 300 LB Rating, Add	*115.75*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*259.30*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0201	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	306.08	18.80
		For 150 LB Rating, Add	*65.77*	
		For 200 LB Rating, Add	*80.62*	
		For 250 LB Rating, Add	*95.48*	
		For 300 LB Rating, Add	*116.69*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0202	EA	3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	583.71	21.84
		For 150 LB Rating, Add	*147.36*	
		For 200 LB Rating, Add	*180.63*	
		For 250 LB Rating, Add	*213.91*	
		For 300 LB Rating, Add	*261.44*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0203		**Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves** *(23 05 23 00-0190)*		
23 05 23 00-0204	EA	2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	439.24	13.91
		For 150 LB Rating, Add	*114.62*	
		For 200 LB Rating, Add	*140.50*	
		For 250 LB Rating, Add	*166.38*	
		For 300 LB Rating, Add	*203.36*	
		For Chain Operated Type, Add	*308.73*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0205	EA	2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	542.08	18.80
		For 150 LB Rating, Add	*138.93*	
		For 200 LB Rating, Add	*170.30*	
		For 250 LB Rating, Add	*201.68*	
		For 300 LB Rating, Add	*246.49*	
		For Chain Operated Type, Add	*374.22*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0206	EA	3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	646.16	21.84
		For 150 LB Rating, Add	*166.72*	
		For 200 LB Rating, Add	*204.36*	
		For 250 LB Rating, Add	*242.01*	
		For 300 LB Rating, Add	*295.79*	
		For Chain Operated Type, Add	*449.06*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0207	EA	4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	840.30	24.65
		For 150 LB Rating, Add	*222.29*	
		For 200 LB Rating, Add	*272.49*	
		For 250 LB Rating, Add	*322.68*	
		For 300 LB Rating, Add	*394.39*	
		For Chain Operated Type, Add	*598.75*	
		For Work In Restricted Working Space, Add	*36.97*	
23 05 23 00-0208		**Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves** *(23 05 23 00-0190)*		
23 05 23 00-0209	EA	2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	326.53	101.91
		For 150 LB Rating, Add	*61.72*	
		For 250 LB Rating, Add	*89.60*	
		For Chain Operated Type, Add	*99.56*	
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0210	EA	2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	370.79	102.13
		For 150 LB Rating, Add	*75.25*	
		For 250 LB Rating, Add	*109.23*	
		For Chain Operated Type, Add	*121.37*	
		For Work In Restricted Working Space, Add	*38.42*	
23 05 23 00-0211	EA	3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	441.14	119.74
		For 150 LB Rating, Add	*90.30*	
		For 250 LB Rating, Add	*131.08*	
		For Chain Operated Type, Add	*145.64*	
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0212	EA	4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	639.93	200.74
		For 150 LB Rating, Add	*120.39*	
		For 250 LB Rating, Add	*174.77*	
		For Chain Operated Type, Add	*194.19*	
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0213	EA	5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	823.20	226.86
		For 150 LB Rating, Add	*167.42*	
		For 250 LB Rating, Add	*243.03*	
		For Chain Operated Type, Add	*270.04*	
		For Work In Restricted Working Space, Add	*84.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0214	EA	6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	998.89	252.06
		For 150 LB Rating, Add	*211.63*	
		For 250 LB Rating, Add	*307.21*	
		For Chain Operated Type, Add	*341.34*	
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0215	EA	8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,449.90	322.08
		For 150 LB Rating, Add	*325.44*	
		For 250 LB Rating, Add	*472.41*	
		For Chain Operated Type, Add	*524.91*	
		For Work In Restricted Working Space, Add	*120.03*	
23 05 23 00-0216	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,089.10	392.10
		For 150 LB Rating, Add	*495.68*	
		For 250 LB Rating, Add	*719.54*	
		For Chain Operated Type, Add	*799.49*	
		For Work In Restricted Working Space, Add	*147.04*	
23 05 23 00-0217	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	3,619.80	476.12
		For 150 LB Rating, Add	*937.97*	
		For 250 LB Rating, Add	*1,361.57*	
		For Chain Operated Type, Add	*1,512.86*	
		For Work In Restricted Working Space, Add	*178.23*	

23 05 23 00-0218 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves *(23 05 23 00-0190)*

23 05 23 00-0219	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	49.79	7.64
		For 150 LB Rating, Add	*7.79*	
		For 200 LB Rating, Add	*9.55*	
		For 300 LB Rating, Add	*13.82*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0220	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	47.38	7.64
		For 150 LB Rating, Add	*7.79*	
		For 200 LB Rating, Add	*9.55*	
		For 300 LB Rating, Add	*13.82*	
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0221	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	48.55	7.64
		For 150 LB Rating, Add	*7.79*	
		For 200 LB Rating, Add	*9.55*	
		For 300 LB Rating, Add	*13.82*	
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0222	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	51.47	7.64
		For 150 LB Rating, Add	*8.31*	
		For 200 LB Rating, Add	*10.18*	
		For 300 LB Rating, Add	*14.74*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0223	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	70.40	8.03
		For 150 LB Rating, Add	*11.52*	
		For 200 LB Rating, Add	*14.12*	
		For 300 LB Rating, Add	*20.44*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0224	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	89.00	8.03
		For 150 LB Rating, Add	*15.12*	
		For 200 LB Rating, Add	*18.53*	
		For 300 LB Rating, Add	*26.82*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0225	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	123.40	10.17
		For 150 LB Rating, Add	*22.45*	
		For 200 LB Rating, Add	*27.52*	
		For 300 LB Rating, Add	*39.84*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0226	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	143.26	11.77
		For 150 LB Rating, Add	*26.18*	
		For 200 LB Rating, Add	*32.09*	
		For 300 LB Rating, Add	*46.45*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0227	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	196.70	13.91
		For 150 LB Rating, Add	*39.43*	
		For 200 LB Rating, Add	*48.34*	
		For 300 LB Rating, Add	*69.96*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0228	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	331.38	20.42
		For 150 LB Rating, Add	*71.13*	
		For 200 LB Rating, Add	*87.19*	
		For 300 LB Rating, Add	*126.19*	
		For Work In Restricted Working Space, Add	*30.58*	
23 05 23 00-0229	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	506.18	23.70
		For 150 LB Rating, Add	*120.45*	
		For 200 LB Rating, Add	*147.65*	
		For 300 LB Rating, Add	*213.71*	
		For Work In Restricted Working Space, Add	*35.29*	

23 05 23 00-0230 Flanged, 125 LB, Iron Body, Angle Globe Valves *(23 05 23 00-0190)*

23 05 23 00-0231	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	639.71	101.91
		For 250 LB Rating, Add	*307.37*	
		For Chain Operated Type, Add	*199.79*	
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0232	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	733.93	102.13
		For 250 LB Rating, Add	*363.52*	
		For Chain Operated Type, Add	*236.29*	
		For Work In Restricted Working Space, Add	*38.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0233	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	863.83	119.74
		For 250 LB Rating, Add	*428.38*	
		For Chain Operated Type, Add	*278.45*	
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0234	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,271.31	200.74
		For 250 LB Rating, Add	*611.85*	
		For Chain Operated Type, Add	*397.70*	
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0235	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,110.71	226.86
		For 250 LB Rating, Add	*1,096.55*	
		For Chain Operated Type, Add	*712.76*	
		For Work In Restricted Working Space, Add	*84.94*	
23 05 23 00-0236	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,143.79	252.06
		For 250 LB Rating, Add	*1,096.55*	
		For Chain Operated Type, Add	*712.76*	
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0237	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve	3,977.03	322.08
		For 250 LB Rating, Add	*2,146.16*	
		For Chain Operated Type, Add	*1,395.01*	
		For Work In Restricted Working Space, Add	*120.03*	

23 05 23 00-0238 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0190)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0239	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	182.95	12.39
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0240	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	185.36	12.39
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0241	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	216.04	16.67
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0242	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	267.27	20.10
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0243	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	440.16	25.46
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0244	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	529.08	29.43
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0245	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	675.40	34.79
		For Work In Restricted Working Space, Add	*20.85*	

23 05 23 00-0246 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0247 Straight Pattern, Triple Duty Valves *(23 05 23 00-0246)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0248	EA	1" Threaded, Straight Pattern, Triple Duty Valve	231.00	8.03
23 05 23 00-0249	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	266.90	10.17
23 05 23 00-0250	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	289.17	11.77
23 05 23 00-0251	EA	2" Flanged, Straight Pattern, Triple Duty Valve	753.76	101.91
23 05 23 00-0252	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	851.59	102.13
23 05 23 00-0253	EA	3" Flanged, Straight Pattern, Triple Duty Valve	930.98	119.74
23 05 23 00-0254	EA	4" Flanged, Straight Pattern, Triple Duty Valve	1,914.59	200.74
23 05 23 00-0255	EA	5" Flanged, Straight Pattern Triple Duty Valve	2,244.93	226.86
23 05 23 00-0256	EA	6" Flanged, Straight Pattern, Triple Duty Valve	2,994.34	252.06
23 05 23 00-0257	EA	8" Flanged, Straight Pattern, Triple Duty Valve	4,035.73	322.08
23 05 23 00-0258	EA	10" Flanged, Straight Pattern, Triple Duty Valve	6,494.32	392.10

23 05 23 00-0259 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0246)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0260	EA	2" Flanged, Angle Pattern, Triple Duty Valve	735.76	101.91
23 05 23 00-0261	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	829.99	102.13
23 05 23 00-0262	EA	3" Flanged, Angle Pattern, Triple Duty Valve	912.98	119.74
23 05 23 00-0263	EA	4" Flanged, Angle Pattern, Triple Duty Valve	1,867.80	200.74
23 05 23 00-0264	EA	5" Flanged, Angle Pattern, Triple Duty Valve	2,187.34	226.86
23 05 23 00-0265	EA	6" Flanged, Angle Pattern, Triple Duty Valve	2,454.40	252.06
23 05 23 00-0266	EA	8" Flanged, Angle Pattern, Triple Duty Valve	3,780.15	322.08
23 05 23 00-0267	EA	10" Flanged, Angle Pattern, Triple Duty Valve	5,058.06	392.10

23 05 23 00-0268 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0246)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0269	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	851.79	119.74
23 05 23 00-0270	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,705.81	200.74
23 05 23 00-0271	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,003.76	226.86
23 05 23 00-0272	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,666.77	252.06
23 05 23 00-0273	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,589.37	322.08
23 05 23 00-0274	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	5,749.19	392.10
23 05 23 00-0275	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	8,671.77	476.12
23 05 23 00-0276	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	10,542.95	560.13
23 05 23 00-0277	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	13,222.07	616.15

23 05 23 00-0278 Grooved Straight Pattern, Triple Duty Valves *(23 05 23 00-0246)*

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0279	EA	2" Grooved, Straight Pattern, Triple Duty Valve	819.82	18.89

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0280	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	977.13	22.54
23 05 23 00-0281	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,138.12	24.44
23 05 23 00-0282	EA	4" Grooved, Straight Pattern, Triple Duty Valve	1,893.61	26.34
23 05 23 00-0283	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,195.00	35.71
23 05 23 00-0284	EA	6" Grooved, Straight Pattern Triple Duty Valve	2,926.73	45.79
23 05 23 00-0285	EA	8" Grooved, Straight Pattern Triple Duty Valve	3,981.63	58.11
23 05 23 00-0286	EA	10" Grooved, Straight Pattern Triple Duty Valve	6,289.40	65.12
23 05 23 00-0287	EA	12" Grooved, Straight Pattern Triple Duty Valve	9,991.79	79.40
23 05 23 00-0288		**Plug Valves** *(23 05 23)*		
23 05 23 00-0289		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0288)*		
		Note: Includes wrench.		
23 05 23 00-0290	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	259.71	7.64
23 05 23 00-0291	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	268.28	8.41
23 05 23 00-0292	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	340.03	9.56
23 05 23 00-0293	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	405.93	10.17
23 05 23 00-0294	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	444.94	11.77
23 05 23 00-0295	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	525.19	13.91
23 05 23 00-0296	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	791.83	18.80
23 05 23 00-0297	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	971.77	21.84
23 05 23 00-0298		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0288)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0299	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	340.05	101.91
23 05 23 00-0300	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	408.14	102.13
23 05 23 00-0301	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	501.80	119.74
23 05 23 00-0302	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	728.14	200.74
23 05 23 00-0303	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,587.58	252.06
23 05 23 00-0304	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,690.61	322.08
23 05 23 00-0305	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,307.16	392.10
23 05 23 00-0306	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,387.84	476.12
23 05 23 00-0307		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0288)*		
23 05 23 00-0308	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,030.01	7.64
23 05 23 00-0309	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,215.23	8.41
23 05 23 00-0310	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,372.70	9.56
23 05 23 00-0311	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,645.86	10.17
23 05 23 00-0312	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,916.84	11.77
23 05 23 00-0313	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,525.07	13.91
23 05 23 00-0314		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0288)*		
23 05 23 00-0315	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	703.54	200.74
23 05 23 00-0316	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,091.25	252.06
23 05 23 00-0317	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,480.41	322.08
23 05 23 00-0318	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,089.11	392.10
23 05 23 00-0319	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,692.47	476.12
23 05 23 00-0320		**Foot Valves** *(23 05 23)*		
23 05 23 00-0321		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0320)*		
23 05 23 00-0322	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	73.02	19.13
23 05 23 00-0323	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	83.46	21.41
23 05 23 00-0324	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	109.81	24.48
23 05 23 00-0325	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	147.96	27.54
23 05 23 00-0326	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	351.91	45.12
23 05 23 00-0327	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	452.38	55.07
23 05 23 00-0328		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0320)*		
23 05 23 00-0329	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	73.02	19.13
23 05 23 00-0330	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	172.82	21.41
23 05 23 00-0331	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	161.36	24.48
23 05 23 00-0332	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	223.53	27.54
23 05 23 00-0333	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	445.62	45.12
23 05 23 00-0334	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	611.38	54.30
23 05 23 00-0335		**Float Valves** *(23 05 23)*		
23 05 23 00-0336		**Float Valve Assembly For Maintaining Liquid Level In Tanks** *(23 05 23 00-0335)*		
23 05 23 00-0337		**Single Seat, Bronze Construction** *(23 05 23 00-0336)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0338	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	193.67	16.06
23 05 23 00-0339	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	221.39	19.12
23 05 23 00-0340	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	291.10	20.64
23 05 23 00-0341	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	492.63	26.00
23 05 23 00-0342	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	500.28	29.81

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0343		**Double Seat, Bronze Construction** *(23 05 23 00-0336)* Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0344	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,098.21	16.06
23 05 23 00-0345	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,104.32	19.12
23 05 23 00-0346	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,276.22	20.64
23 05 23 00-0347	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,408.07	26.00
23 05 23 00-0348	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,609.56	29.81
23 05 23 00-0349	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,114.54	35.17
23 05 23 00-0350	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,453.63	47.19
23 05 23 00-0351	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	2,953.01	54.24
23 05 23 00-0352		**Float Valve Single Seated Balanced For Air Oil Or Water** *(23 05 23 00-0335)* Note: Includes arm, ball and bracket.		
23 05 23 00-0353		**Brass Body Threaded Ends** *(23 05 23 00-0352)*		
23 05 23 00-0354	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	194.13	20.72
23 05 23 00-0355	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	219.90	23.02
23 05 23 00-0356	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	275.90	25.46
23 05 23 00-0357	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	440.50	41.14
23 05 23 00-0358	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	457.00	46.87
23 05 23 00-0359	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	508.51	58.11
23 05 23 00-0360		**Cast Iron Body Flanged** *(23 05 23 00-0352)*		
23 05 23 00-0361	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	6,940.90	102.13
23 05 23 00-0362	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	8,394.69	119.74
23 05 23 00-0363		**Float Operated Valves** *(23 05 23 00-0335)*		
23 05 23 00-0364		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0363)* Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0365	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	749.78	35.93
23 05 23 00-0366		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0363)* Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0367	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	926.47	66.91
23 05 23 00-0368		**Needle Valves** *(23 05 23)*		
23 05 23 00-0369		**Bronze Needle Valve** *(23 05 23 00-0368)* Note: For heating and cooling applications.		
23 05 23 00-0370	EA	1/4" Needle Valve, Bronze	98.63	7.64
23 05 23 00-0371	EA	3/8" Needle Valve, Bronze	110.56	7.64
23 05 23 00-0372	EA	1/2" Needle Valve, Bronze	121.35	7.64
23 05 23 00-0373	EA	3/4" Needle Valve, Bronze	185.93	8.41
23 05 23 00-0374	EA	1" Needle Valve, Bronze	289.32	9.56
23 05 23 00-0375		**Eccentric Valves With Taps** *(23 05 23)*		
23 05 23 00-0376		**Screwed Eccentric Valves With Taps** *(23 05 23 00-0375)*		
23 05 23 00-0377	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	142.72	7.64
23 05 23 00-0378	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	153.10	8.41
23 05 23 00-0379	EA	1" Diameter Eccentric Valves With Taps, Screwed	192.79	9.56
23 05 23 00-0380	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	234.39	10.17
23 05 23 00-0381	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	256.76	11.77
23 05 23 00-0382	EA	2" Diameter Eccentric Valves With Taps, Screwed	301.96	13.91
23 05 23 00-0383	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	453.49	18.80
23 05 23 00-0384	EA	3" Diameter Eccentric Valves With Taps, Screwed	549.67	21.84
23 05 23 00-0385		**Flanged Eccentric Valves With Taps** *(23 05 23 00-0375)*		
23 05 23 00-0386	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	554.84	102.13
23 05 23 00-0387	EA	3" Diameter Eccentric Valves With Taps, Flanged	658.36	119.74
23 05 23 00-0388	EA	4" Diameter Eccentric Valves With Taps, Flanged	896.27	200.74
23 05 23 00-0389	EA	5" Diameter Eccentric Valves With Taps, Flanged	1,191.17	226.86
23 05 23 00-0390	EA	6" Diameter Eccentric Valves With Taps, Flanged	1,496.66	252.06
23 05 23 00-0391	EA	8" Diameter Eccentric Valves With Taps, Flanged	2,533.98	322.08
23 05 23 00-0392	EA	10" Diameter Eccentric Valves With Taps, Flanged	3,532.05	392.10
23 05 23 00-0393	EA	12" Diameter Eccentric Valves With Taps, Flanged	5,996.93	476.12
23 05 23 00-0394		**Check Valves** *(23 05 23)*		
23 05 23 00-0395		**Iron Body Wafer Type Check Valve** *(23 05 23 00-0394)*		
23 05 23 00-0396		**Single Disk Type** *(23 05 23 00-0395)*		
23 05 23 00-0397	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	398.09	101.95
		For 150 LB Rating, Add	*56.83*	
		For 200 LB Rating, Add	*67.65*	
		For 300 LB Rating, Add	*81.18*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*147.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0398	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	482.69	102.19
		For 150 LB Rating, Add	*74.46*	
		For 200 LB Rating, Add	*88.64*	
		For 300 LB Rating, Add	*106.37*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*185.18*	
23 05 23 00-0399	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	598.10	119.81
		For 150 LB Rating, Add	*94.11*	
		For 200 LB Rating, Add	*112.04*	
		For 300 LB Rating, Add	*134.45*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*231.66*	
23 05 23 00-0400	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	858.68	200.85
		For 150 LB Rating, Add	*127.47*	
		For 200 LB Rating, Add	*151.75*	
		For 300 LB Rating, Add	*182.09*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*323.48*	
23 05 23 00-0401	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,303.13	281.90
		For 150 LB Rating, Add	*199.66*	
		For 200 LB Rating, Add	*237.69*	
		For 300 LB Rating, Add	*285.23*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*498.31*	
23 05 23 00-0402	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,862.80	324.19
		For 150 LB Rating, Add	*306.40*	
		For 200 LB Rating, Add	*364.76*	
		For 300 LB Rating, Add	*437.71*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*737.32*	
23 05 23 00-0403	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	2,827.31	394.67
		For 150 LB Rating, Add	*489.38*	
		For 200 LB Rating, Add	*582.59*	
		For 300 LB Rating, Add	*699.11*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,148.05*	
23 05 23 00-0404		Twin Disc Type *(23 05 23 00-0395)*		
23 05 23 00-0405	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	452.66	101.95
		For 150 LB Rating, Add	*68.29*	
		For 200 LB Rating, Add	*81.30*	
		For 300 LB Rating, Add	*97.55*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*171.83*	
23 05 23 00-0406	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	518.40	102.19
		For 150 LB Rating, Add	*81.95*	
		For 200 LB Rating, Add	*97.57*	
		For 300 LB Rating, Add	*117.08*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*201.25*	
23 05 23 00-0407	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	605.29	119.81
		For 150 LB Rating, Add	*95.62*	
		For 200 LB Rating, Add	*113.84*	
		For 300 LB Rating, Add	*136.60*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*234.89*	
23 05 23 00-0408	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	829.95	200.85
		For 150 LB Rating, Add	*121.43*	
		For 200 LB Rating, Add	*144.56*	
		For 300 LB Rating, Add	*173.48*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*310.55*	
23 05 23 00-0409	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,284.83	281.90
		For 150 LB Rating, Add	*195.81*	
		For 200 LB Rating, Add	*233.11*	
		For 300 LB Rating, Add	*279.74*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*490.08*	
23 05 23 00-0410	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,826.73	324.19
		For 150 LB Rating, Add	*299.04*	
		For 200 LB Rating, Add	*356.00*	
		For 300 LB Rating, Add	*427.20*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*721.35*	
23 05 23 00-0411	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	2,748.73	35.24
		For 150 LB Rating, Add	*473.59*	
		For 200 LB Rating, Add	*563.80*	
		For 300 LB Rating, Add	*676.56*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,113.55*	
23 05 23 00-0412	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,618.74	479.24
		For 150 LB Rating, Add	*634.51*	
		For 200 LB Rating, Add	*755.37*	
		For 300 LB Rating, Add	*906.44*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,479.12*	
23 05 23 00-0413	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	6,898.78	566.04
		For 150 LB Rating, Add	*1,290.25*	
		For 200 LB Rating, Add	*1,536.02*	
		For 300 LB Rating, Add	*1,843.22*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*2,915.77*	
23 05 23 00-0414	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	9,504.18	664.16
		For 150 LB Rating, Add	*1,821.54*	
		For 200 LB Rating, Add	*2,168.50*	
		For 300 LB Rating, Add	*2,602.20*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*4,069.33*	
23 05 23 00-0415	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	12,699.50	739.63
		For 150 LB Rating, Add	*2,473.18*	
		For 200 LB Rating, Add	*2,944.27*	
		For 300 LB Rating, Add	*3,533.12*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*5,484.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0416	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	15,121.65	830.19
		For 150 LB Rating, Add	*2,957.62*	
		For 200 LB Rating, Add	*3,520.98*	
		For 300 LB Rating, Add	*4,225.17*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*6,545.31*	
23 05 23 00-0417	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	19,782.99	1,018.88
		For 150 LB Rating, Add	*3,886.21*	
		For 200 LB Rating, Add	*4,626.44*	
		For 300 LB Rating, Add	*5,551.73*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*8,583.04*	

23 05 23 00-0418 Bronze Body Swing Check Valves *(23 05 23 00-0394)*

23 05 23 00-0419 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves *(23 05 23 00-0418)*

23 05 23 00-0420	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	65.54	7.64
		For 300 LB Rating, Add	*15.94*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0421	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	63.13	7.64
		For 300 LB Rating, Add	*15.94*	
		For Work In Restricted Working Space, Add	*6.68*	
23 05 23 00-0422	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	64.30	7.64
		For 300 LB Rating, Add	*15.94*	
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0423	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	67.14	7.64
		For 300 LB Rating, Add	*16.56*	
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0424	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	84.69	8.03
		For 300 LB Rating, Add	*20.07*	
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0425	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	110.11	8.03
		For 300 LB Rating, Add	*27.25*	
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0426	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	149.05	10.17
		For 300 LB Rating, Add	*38.25*	
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0427	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	196.16	11.77
		For 300 LB Rating, Add	*53.57*	
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0428	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	246.08	13.91
		For 300 LB Rating, Add	*68.87*	
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0429	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	499.84	18.80
		For 300 LB Rating, Add	*158.31*	
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0430	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	685.69	21.84
		For 300 LB Rating, Add	*225.16*	
		For Work In Restricted Working Space, Add	*32.51*	
23 05 23 00-0431	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	776.57	24.65
		For 300 LB Rating, Add	*254.79*	
		For Work In Restricted Working Space, Add	*36.98*	

23 05 23 00-0432 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0394)*

23 05 23 00-0433	EA	1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	281.90	57.34
		For 150 LB Rating, Add	*142.64*	
		For 250 LB Rating, Add	*272.70*	
		For Work In Restricted Working Space, Add	*21.64*	
23 05 23 00-0434	EA	1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	314.20	66.90
		For 150 LB Rating, Add	*157.15*	
		For 250 LB Rating, Add	*300.43*	
		For Work In Restricted Working Space, Add	*24.93*	
23 05 23 00-0435	EA	1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	351.24	80.28
		For 150 LB Rating, Add	*170.44*	
		For 250 LB Rating, Add	*325.85*	
		For Work In Restricted Working Space, Add	*30.18*	
23 05 23 00-0436	EA	2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	438.73	101.91
		For 150 LB Rating, Add	*211.69*	
		For 250 LB Rating, Add	*404.70*	
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0437	EA	2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	491.38	102.13
		For 150 LB Rating, Add	*247.06*	
		For 250 LB Rating, Add	*472.32*	
		For Work In Restricted Working Space, Add	*38.42*	
23 05 23 00-0438	EA	3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	544.67	119.74
		For 150 LB Rating, Add	*268.47*	
		For 250 LB Rating, Add	*513.25*	
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0439	EA	4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	861.72	200.74
		For 150 LB Rating, Add	*414.91*	
		For 250 LB Rating, Add	*793.21*	
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0440	EA	5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,178.96	226.86
		For 150 LB Rating, Add	*609.16*	
		For 250 LB Rating, Add	*1,164.58*	
		For Work In Restricted Working Space, Add	*84.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0441	EA	6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,354.89	252.06
		For 150 LB Rating, Add	*706.30*	
		For 250 LB Rating, Add	*1,350.28*	
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0442	EA	8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,993.29	322.08
		For 150 LB Rating, Add	*1,763.38*	
		For 250 LB Rating, Add	*3,371.16*	
		For Work In Restricted Working Space, Add	*120.03*	
23 05 23 00-0443	EA	10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	4,020.02	392.10
		For 150 LB Rating, Add	*2,400.33*	
		For 250 LB Rating, Add	*4,588.87*	
		For Work In Restricted Working Space, Add	*147.04*	
23 05 23 00-0444	EA	12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	6,098.80	476.12
		For 150 LB Rating, Add	*3,743.20*	
		For 250 LB Rating, Add	*7,156.12*	
		For Work In Restricted Working Space, Add	*178.23*	
23 05 23 00-0445	EA	14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,022.43	632.27
		For 150 LB Rating, Add	*4,237.81*	
		For 250 LB Rating, Add	*8,101.70*	
		For Work In Restricted Working Space, Add	*237.11*	
23 05 23 00-0446	EA	16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	9,946.36	695.50
		For 150 LB Rating, Add	*6,172.35*	
		For 250 LB Rating, Add	*11,800.07*	
		For Work In Restricted Working Space, Add	*260.81*	
23 05 23 00-0447	EA	18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,230.69	771.38
		For 150 LB Rating, Add	*9,701.20*	
		For 250 LB Rating, Add	*18,546.41*	
		For Work In Restricted Working Space, Add	*289.27*	
23 05 23 00-0448	EA	20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	20,943.26	869.38
		For 150 LB Rating, Add	*13,502.44*	
		For 250 LB Rating, Add	*25,813.49*	
		For Work In Restricted Working Space, Add	*326.02*	
23 05 23 00-0449	EA	24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	29,131.61	1,066.97
		For 150 LB Rating, Add	*18,902.57*	
		For 250 LB Rating, Add	*36,137.27*	
		For Work In Restricted Working Space, Add	*400.11*	

23 05 23 00-0450 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0394)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0451	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve	166.19	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0452	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve	193.93	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0453	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve	228.94	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0454	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	359.57	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0455	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve	427.36	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0456	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve	582.53	13.91
		For Work In Restricted Working Space, Add	*20.85*	

23 05 23 00-0457 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0394)*

23 05 23 00-0458	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	44.77	7.64
		For Work In Restricted Working Space, Add	*7.40*	
23 05 23 00-0459	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	53.34	8.41
		For Work In Restricted Working Space, Add	*9.97*	
23 05 23 00-0460	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	61.13	9.56
		For Work In Restricted Working Space, Add	*12.07*	
23 05 23 00-0461	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	72.72	10.17
		For Work In Restricted Working Space, Add	*15.29*	
23 05 23 00-0462	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	81.82	11.77
		For Work In Restricted Working Space, Add	*17.64*	
23 05 23 00-0463	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	105.27	13.91
		For Work In Restricted Working Space, Add	*20.85*	
23 05 23 00-0464	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	144.84	18.80
		For Work In Restricted Working Space, Add	*28.17*	
23 05 23 00-0465	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	174.45	21.84
		For Work In Restricted Working Space, Add	*32.51*	

23 05 23 00-0466 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(23 05 23 00-0394)*

Note: Nibco®

23 05 23 00-0467	EA	1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	117.91	7.64
		For Work In Restricted Working Space, Add	*5.16*	
23 05 23 00-0468	EA	3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	150.38	8.41
		For Work In Restricted Working Space, Add	*5.88*	
23 05 23 00-0469	EA	1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	208.32	9.56
		For Work In Restricted Working Space, Add	*7.03*	
23 05 23 00-0470	EA	1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	278.35	10.17
		For Work In Restricted Working Space, Add	*7.74*	
23 05 23 00-0471	EA	1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	332.33	11.77
		For Work In Restricted Working Space, Add	*8.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0472	EA	2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	476.37	13.91
		For Work In Restricted Working Space, Add	*10.32*	

23 05 23 00-0473 Crimped Bronze, 250 PSI, In-Line, Check Valves *(23 05 23 00-0394)*

23 05 23 00-0474	EA	1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	39.05	7.64
23 05 23 00-0475	EA	3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	47.56	8.41
23 05 23 00-0476	EA	1" Crimped Bronze, 200 PSI, In-Line Check Valve	55.65	9.56
23 05 23 00-0477	EA	1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	72.41	10.17
23 05 23 00-0478	EA	1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	94.83	11.77
23 05 23 00-0479	EA	2" Crimped Bronze, 200 PSI, In-Line Check Valve	154.82	13.91

23 05 23 00-0480 Diaphragm Valves *(23 05 23)*

23 05 23 00-0481 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0480)*

23 05 23 00-0482	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	242.21	22.90
23 05 23 00-0483	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	314.42	25.35
23 05 23 00-0484	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	337.15	31.34
23 05 23 00-0485	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	537.96	46.84
23 05 23 00-0486	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	885.11	56.35

23 05 23 00-0487 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0480)*

23 05 23 00-0488	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	202.77	36.69
23 05 23 00-0489	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	236.16	38.22
23 05 23 00-0490	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	279.48	57.34
23 05 23 00-0491	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	423.12	80.28
23 05 23 00-0492	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	673.77	101.91
23 05 23 00-0493	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	861.21	102.13
23 05 23 00-0494	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,069.77	119.74
23 05 23 00-0495	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,514.37	200.74
23 05 23 00-0496	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,145.37	252.06
23 05 23 00-0497	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	4,886.44	322.08

23 05 23 00-0498 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0480)*

23 05 23 00-0499	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	139.94	22.90
23 05 23 00-0500	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	187.92	25.35
23 05 23 00-0501	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	210.65	31.34
23 05 23 00-0502	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	365.70	46.84
23 05 23 00-0503	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	484.07	56.35

23 05 23 00-0504 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0480)*

23 05 23 00-0505	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	136.38	36.69
23 05 23 00-0506	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	158.84	38.22
23 05 23 00-0507	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	202.14	57.34
23 05 23 00-0508	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	317.81	80.28
23 05 23 00-0509	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	428.57	101.91
23 05 23 00-0510	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	520.69	102.13
23 05 23 00-0511	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	633.68	119.74
23 05 23 00-0512	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,000.33	200.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0513	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,993.72	252.06
23 05 23 00-0514	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	3,059.82	322.08
23 05 23 00-0515		**125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0480)*		
23 05 23 00-0516	EA	1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	256.18	57.34
23 05 23 00-0517	EA	1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	414.57	80.28
23 05 23 00-0518	EA	2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	557.78	101.91
23 05 23 00-0519	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	799.30	102.13
23 05 23 00-0520	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	883.35	119.74
23 05 23 00-0521	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,385.63	200.74
23 05 23 00-0522	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,779.23	252.06
23 05 23 00-0523	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	5,764.57	322.08
23 05 23 00-0524		**Solenoid Valves** *(23 05 23)*		
23 05 23 00-0525		**Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure** *(23 05 23 00-0524)*		
23 05 23 00-0526	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	86.63	7.64
23 05 23 00-0527	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	100.56	7.64
23 05 23 00-0528	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	128.68	8.41
23 05 23 00-0529	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	189.73	9.56
23 05 23 00-0530	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	334.79	11.77
23 05 23 00-0531	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	524.51	13.91
23 05 23 00-0532	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	714.46	18.80
23 05 23 00-0533	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	1,036.80	21.84
23 05 23 00-0534		**Flow Control Valves And Meters** *(23 05 23)*		
23 05 23 00-0535		**Conditioned Water Balancing Valves** *(23 05 23 00-0534)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0536	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	111.04	39.01
23 05 23 00-0537	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	133.09	52.00
23 05 23 00-0538	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	281.22	59.43
23 05 23 00-0539	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	371.05	73.43
23 05 23 00-0540	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	434.84	78.01
23 05 23 00-0541	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	598.72	89.18
23 05 23 00-0542	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,143.65	155.33
23 05 23 00-0543	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,631.71	177.53
23 05 23 00-0544	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,347.00	119.81
23 05 23 00-0545	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,649.67	200.85
23 05 23 00-0546	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,922.44	253.71
23 05 23 00-0547	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,290.69	324.19
23 05 23 00-0548	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	5,587.00	394.67
23 05 23 00-0549		**Read Out Meters** *(23 05 23 00-0534)* Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0550	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	845.55	
23 05 23 00-0551	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,144.28	
23 05 23 00-0552	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,144.28	
23 05 23 00-0553	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,144.28	
23 05 23 00-0554		**Balancing Valves** *(23 05 23)*		
23 05 23 00-0555		**Balancing Valves With Lever** *(23 05 23 00-0554)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0556	EA	1/2" Threaded Balancing Valve With Lever	185.06	24.09
23 05 23 00-0557	EA	3/4" Threaded Balancing Valve With Lever	204.50	31.74
23 05 23 00-0558	EA	1" Threaded Balancing Valve With Lever	217.10	36.33
23 05 23 00-0559	EA	1-1/4" Threaded Balancing Valve With Lever	246.55	45.12
23 05 23 00-0560	EA	1-1/2" Threaded Balancing Valve With Lever	264.54	47.80
23 05 23 00-0561	EA	2" Threaded Balancing Valve With Lever	292.27	54.69
23 05 23 00-0562	EA	2-1/2" Flanged Balancing Valve With Lever	483.60	102.19
23 05 23 00-0563	EA	3" Flanged Balancing Valve With Lever	551.16	119.81
23 05 23 00-0564	EA	4" Flanged Balancing Valve With Lever	834.15	200.85
23 05 23 00-0565	EA	5" Flanged Balancing Valve With Lever	1,268.65	228.34
23 05 23 00-0566	EA	6" Flanged Balancing Valve With Lever	1,301.94	253.71
23 05 23 00-0567	EA	8" Flanged Balancing Valve With Lever	1,768.23	324.19
23 05 23 00-0568		**Balancing Valves With Nut** *(23 05 23 00-0554)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0569	EA	4" Flanged Balancing Valve With Nut	788.40	200.85
23 05 23 00-0570	EA	5" Flanged Balancing Valve With Nut	1,210.58	228.34
23 05 23 00-0571	EA	6" Flanged Balancing Valve With Nut	1,243.87	253.71
23 05 23 00-0572	EA	8" Flanged Balancing Valve With Nut	1,687.29	324.19

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0573		**Balancing Valves With Hand Wheel** *(23 05 23 00-0554)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0574	EA	4" Flanged Balancing Valve With Hand Wheel	1,131.54	200.85
23 05 23 00-0575	EA	5" Flanged Balancing Valve With Hand Wheel	1,571.32	228.34
23 05 23 00-0576	EA	6" Flanged Balancing Valve With Hand Wheel	1,604.61	253.71
23 05 23 00-0577	EA	8" Flanged Balancing Valve With Hand Wheel	2,081.45	324.19
23 05 23 00-0578	EA	10" Flanged Balancing Valve With Hand Wheel	3,122.29	394.67
23 05 23 00-0579	EA	12" Flanged Balancing Valve With Hand Wheel	4,082.31	320.23
23 05 23 00-0580	EA	14" Flanged Balancing Valve With Hand Wheel	5,548.09	603.78
23 05 23 00-0581		**Balancing Valves With Chain Wheel** *(23 05 23 00-0554)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0582	EA	4" Flanged Balancing Valve With Chain Wheel	1,318.07	200.85
23 05 23 00-0583	EA	5" Flanged Balancing Valve With Chain Wheel	1,759.60	228.34
23 05 23 00-0584	EA	6" Flanged Balancing Valve With Chain Wheel	1,792.89	253.71
23 05 23 00-0585	EA	8" Flanged Balancing Valve With Chain Wheel	2,267.98	324.19
23 05 23 00-0586	EA	10" Flanged Balancing Valve With Chain Wheel	3,310.58	394.67
23 05 23 00-0587	EA	12" Flanged Balancing Valve With Chain Wheel	4,313.03	320.01
23 05 23 00-0588	EA	14" Flanged Balancing Valve With Chain Wheel	5,776.85	603.78
23 05 23 00-0589		**Calibrated Balancing Valves** *(23 05 23 00-0554)* Note: Bell & Gossett CB Series.		
23 05 23 00-0590	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	82.27	7.65
23 05 23 00-0591	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	96.60	8.41
23 05 23 00-0592	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	118.01	9.56
23 05 23 00-0593	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	158.99	10.18
23 05 23 00-0594	EA	1" Threaded Calibrated Balancing Valve (CB-1)	125.93	9.56
23 05 23 00-0595	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	172.67	10.18
23 05 23 00-0596	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	200.67	11.78
23 05 23 00-0597	EA	2" Threaded Calibrated Balancing Valve (CB-2)	271.11	13.92
23 05 23 00-0598	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	505.11	20.43
23 05 23 00-0599	EA	3" Threaded Calibrated Balancing Valve (CB-3)	711.57	23.71
23 05 23 00-0600	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	671.82	110.90
23 05 23 00-0601	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	972.66	130.03
23 05 23 00-0602	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	1,522.24	217.99
23 05 23 00-0603	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	2,191.90	247.81
23 05 23 00-0604	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	2,883.16	275.34
23 05 23 00-0605	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	5,206.58	351.83
23 05 23 00-0606	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	7,230.72	422.65
23 05 23 00-0607	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	15,231.91	513.21
23 05 23 00-0608	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	1,803.62	26.34
23 05 23 00-0609	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	2,083.41	35.71
23 05 23 00-0610	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	2,768.35	45.79
23 05 23 00-0611	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	5,176.71	58.11
23 05 23 00-0612	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	6,956.54	65.12
23 05 23 00-0613	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	14,313.44	79.40
23 05 23 00-0614		**Butterfly Valves** *(23 05 23)*		
23 05 23 00-0615		**Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-0614)* Note: With on-off handle		
23 05 23 00-0616	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	248.49	101.91
		For 200 PSI, Add	*58.11*	
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0617	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	256.16	102.13
		For 200 PSI, Add	*61.49*	
		For Work In Restricted Working Space, Add	*38.42*	
23 05 23 00-0618	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	287.82	119.74
		For 200 PSI, Add	*66.22*	
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0619	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	424.71	200.74
		For 200 PSI, Add	*83.11*	
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0620	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	562.57	252.06
		For 200 PSI, Add	*118.25*	
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0621	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	651.35	280.07
		For 200 PSI, Add	*144.60*	
		For Work In Restricted Working Space, Add	*105.03*	
23 05 23 00-0622	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	853.38	322.08
		For 200 PSI, Add	*217.58*	
		For Work In Restricted Working Space, Add	*120.03*	
23 05 23 00-0623	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,368.55	392.10
		For 200 PSI, Add	*421.65*	
		For Work In Restricted Working Space, Add	*147.04*	
23 05 23 00-0624	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,713.25	476.12
		For 200 PSI, Add	*537.20*	
		For Work In Restricted Working Space, Add	*178.23*	
23 05 23 00-0625		**Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve** *(23 05 23 00-0614)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0626	EA	2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	891.18	20.42
		For Work In Restricted Working Space, Add	*12.04*	
23 05 23 00-0627	EA	3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	964.29	23.70
		For Work In Restricted Working Space, Add	*14.33*	
23 05 23 00-0628	EA	4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,205.06	26.76
		For Work In Restricted Working Space, Add	*18.92*	

23 05 23 00-0629 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves *(23 05 23 00-0614)*

23 05 23 00-0630	EA	2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	459.65	101.91
		For Work In Restricted Working Space, Add	*38.23*	
23 05 23 00-0631	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	463.10	102.13
		For Work In Restricted Working Space, Add	*38.42*	
23 05 23 00-0632	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	501.80	119.74
		For Work In Restricted Working Space, Add	*44.96*	
23 05 23 00-0633	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	648.54	200.74
		For Work In Restricted Working Space, Add	*75.47*	
23 05 23 00-0634	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	810.33	252.06
		For Work In Restricted Working Space, Add	*94.86*	
23 05 23 00-0635	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	897.62	280.07
		For Work In Restricted Working Space, Add	*105.03*	
23 05 23 00-0636	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,109.59	322.08
		For Work In Restricted Working Space, Add	*120.03*	
23 05 23 00-0637	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,406.56	392.10
		For Work In Restricted Working Space, Add	*147.04*	
23 05 23 00-0638	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,925.82	476.12
		For Work In Restricted Working Space, Add	*178.23*	

23 05 23 00-0639 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves *(23 05 23 00-0614)*

23 05 23 00-0640	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	3,167.64	592.76
		For 200 PSI, Add	*855.82*	
		For Work In Restricted Working Space, Add	*237.11*	
23 05 23 00-0641	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	4,063.23	695.50
		For 200 PSI, Add	*1,149.79*	
		For Work In Restricted Working Space, Add	*260.81*	
23 05 23 00-0642	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	5,711.24	774.54
		For 200 PSI, Add	*1,708.30*	
		For Work In Restricted Working Space, Add	*289.79*	
23 05 23 00-0643	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	7,362.92	869.38
		For 200 PSI, Add	*2,259.43*	
		For Work In Restricted Working Space, Add	*326.02*	
23 05 23 00-0644	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	9,907.14	1,066.97
		For 200 PSI, Add	*3,085.07*	
		For Work In Restricted Working Space, Add	*401.25*	

23 05 29 Hangers And Supports For HVAC Piping And Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	14.88	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	16.29	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	17.11	7.04
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	17.87	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	18.16	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	19.14	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	21.76	8.03
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	23.69	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	24.49	9.28
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	27.34	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	35.44	11.80
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	42.80	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	59.44	17.61
		For Work In Restricted Working Space, Add	*10.57*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	90.12	23.94
		For Work In Restricted Working Space, Add	*14.09*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	107.21	26.41
		For Work In Restricted Working Space, Add	*15.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	137.17	29.59
		For Work In Restricted Working Space, Add	*18.17*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	174.42	35.22
		For Work In Restricted Working Space, Add	*21.13*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	217.20	44.02
		For Work In Restricted Working Space, Add	*26.42*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	377.04	52.83
		For Work In Restricted Working Space, Add	*31.70*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	602.64	61.63
		For Work In Restricted Working Space, Add	*36.98*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	20.74	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	22.15	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	23.09	7.04
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	23.97	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	24.72	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	25.33	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	29.32	8.03
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.00	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.61	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	39.55	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	69.88	11.80
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	87.33	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	102.85	17.61
		For Work In Restricted Working Space, Add	*10.57*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	14.67	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	16.13	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.06	7.04
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.54	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.70	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	18.23	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.56	8.03
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	21.65	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.31	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.47	9.87
		For Work In Restricted Working Space, Add	*5.63*	

23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*

23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	23.44	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	24.25	7.04
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	24.68	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	25.85	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	28.20	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.69	8.03
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.45	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	39.72	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	50.19	11.80
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	62.58	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	91.88	17.61
		For Work In Restricted Working Space, Add	*10.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	130.75	23.94
		For Work In Restricted Working Space, Add	*14.09*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	146.79	26.41
		For Work In Restricted Working Space, Add	*15.85*	

23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*

23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	29.57	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	31.98	8.03
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	33.91	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	37.22	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	40.13	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	49.65	11.80
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	57.51	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	77.84	17.61
		For Work In Restricted Working Space, Add	*10.57*	

23 05 29 00-0072 Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) *(23 05 29 00-0002)*

23 05 29 00-0073	EA	1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	16.35	6.52
		For Work In Restricted Working Space, Add	*3.91*	
23 05 29 00-0074	EA	3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	17.41	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0075	EA	1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	18.14	7.04
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0076	EA	1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	18.79	7.28
		For Work In Restricted Working Space, Add	*4.53*	
23 05 29 00-0077	EA	1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	19.19	7.51
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0078	EA	2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	20.03	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0079	EA	2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	22.30	8.10
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0080	EA	3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	25.50	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0081	EA	3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	27.66	9.16
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0082	EA	4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	29.20	9.87
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0083	EA	5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	36.33	11.97
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0084	EA	6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	47.87	14.09
		For Work In Restricted Working Space, Add	*8.45*	

23 05 29 00-0085 Adjustable Hangers *(23 05 29 00-0001)*

23 05 29 00-0086 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0085)*

Note: Type 5.

23 05 29 00-0087	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	13.89	5.54
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0088	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	15.11	6.14
		For Work In Restricted Working Space, Add	*3.69*	
23 05 29 00-0089	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	16.44	6.82
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0090	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	18.07	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0091	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	18.99	7.96
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0092	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	20.63	8.34
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0093	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.00	8.72
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0094	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.13	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-0095	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.02	10.24
		For Work In Restricted Working Space, Add	*6.14*	

23 05 29 00-0096 Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0085)*

Note: Type 10.

23 05 29 00-0097	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	15.38	7.04
		For Work In Restricted Working Space, Add	*4.23*	
		For 304 Stainless Steel, Add	*8.51*	
		For 316 Stainless Steel, Add	*10.97*	
23 05 29 00-0098	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	16.23	7.04
		For Work In Restricted Working Space, Add	*4.45*	
		For 304 Stainless Steel, Add	*9.31*	
		For 316 Stainless Steel, Add	*11.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0099	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	17.06	7.75
		For Work In Restricted Working Space, Add	*4.70*	
		For 304 Stainless Steel, Add	*9.31*	
		For 316 Stainless Steel, Add	*11.99*	
23 05 29 00-0100	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	18.16	8.45
		For Work In Restricted Working Space, Add	*4.97*	
		For 304 Stainless Steel, Add	*10.43*	
		For 316 Stainless Steel, Add	*13.43*	
23 05 29 00-0101	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	20.36	9.87
		For Work In Restricted Working Space, Add	*5.63*	
		For 304 Stainless Steel, Add	*10.43*	
		For 316 Stainless Steel, Add	*13.43*	
23 05 29 00-0102	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.78	9.87
		For Work In Restricted Working Space, Add	*6.04*	
		For 304 Stainless Steel, Add	*10.96*	
		For 316 Stainless Steel, Add	*14.11*	
23 05 29 00-0103	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.38	10.56
		For Work In Restricted Working Space, Add	*6.50*	
		For 304 Stainless Steel, Add	*17.82*	
		For 316 Stainless Steel, Add	*22.95*	
23 05 29 00-0104	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.30	11.97
		For Work In Restricted Working Space, Add	*7.04*	
		For 304 Stainless Steel, Add	*18.61*	
		For 316 Stainless Steel, Add	*23.97*	
23 05 29 00-0105	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.49	12.86
		For Work In Restricted Working Space, Add	*7.71*	
		For 304 Stainless Steel, Add	*24.95*	
		For 316 Stainless Steel, Add	*32.13*	
23 05 29 00-0106	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.96	14.09
		For Work In Restricted Working Space, Add	*8.45*	
		For 304 Stainless Steel, Add	*24.95*	
		For 316 Stainless Steel, Add	*32.13*	
23 05 29 00-0107	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.54	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For 304 Stainless Steel, Add	*51.81*	
		For 316 Stainless Steel, Add	*66.73*	
23 05 29 00-0108	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	43.20	17.61
		For Work In Restricted Working Space, Add	*10.57*	
		For 304 Stainless Steel, Add	*52.67*	
		For 316 Stainless Steel, Add	*67.83*	
23 05 29 00-0109	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	51.73	21.13
		For Work In Restricted Working Space, Add	*12.68*	
		For 304 Stainless Steel, Add	*62.50*	
		For 316 Stainless Steel, Add	*80.50*	

23 05 29 00-0110 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	29.59	5.64
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	32.37	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	35.57	7.40
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	41.00	8.46
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	59.62	9.52
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	50.38	10.57
		For Work In Restricted Working Space, Add	*6.34*	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	63.34	12.68
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	88.50	14.80
		For Work In Restricted Working Space, Add	*8.88*	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	104.82	17.62
		For Work In Restricted Working Space, Add	*10.57*	

23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*

Note: Type 43.

23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	42.52	9.95
		For Work In Restricted Working Space, Add	*5.74*	
		For 304 Stainless Steel, Add	*154.37*	
		For 316 Stainless Steel, Add	*198.82*	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	43.89	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For 304 Stainless Steel, Add	*154.37*	
		For 316 Stainless Steel, Add	*198.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	47.95	10.71
		For Work In Restricted Working Space, Add	*6.56*	
		For 304 Stainless Steel, Add	*172.19*	
		For 316 Stainless Steel, Add	*221.77*	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	57.67	11.48
		For Work In Restricted Working Space, Add	*6.88*	
		For 304 Stainless Steel, Add	*229.22*	
		For 316 Stainless Steel, Add	*295.21*	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	60.22	13.00
		For Work In Restricted Working Space, Add	*7.65*	
		For 304 Stainless Steel, Add	*229.22*	
		For 316 Stainless Steel, Add	*295.21*	
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	68.53	14.00
		For Work In Restricted Working Space, Add	*8.40*	
		For 304 Stainless Steel, Add	*267.56*	
		For 316 Stainless Steel, Add	*344.59*	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	80.94	15.30
		For Work In Restricted Working Space, Add	*9.18*	
		For 304 Stainless Steel, Add	*332.31*	
		For 316 Stainless Steel, Add	*427.98*	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	113.59	19.13
		For Work In Restricted Working Space, Add	*11.47*	
		For 304 Stainless Steel, Add	*497.31*	
		For 316 Stainless Steel, Add	*640.48*	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	140.76	26.01
		For Work In Restricted Working Space, Add	*15.30*	
		For 304 Stainless Steel, Add	*592.48*	
		For 316 Stainless Steel, Add	*763.05*	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	189.35	28.68
		For Work In Restricted Working Space, Add	*17.21*	
		For 304 Stainless Steel, Add	*871.07*	
		For 316 Stainless Steel, Add	*1,121.83*	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	431.50	32.89
		For Work In Restricted Working Space, Add	*19.73*	
		For 304 Stainless Steel, Add	*2,413.75*	
		For 316 Stainless Steel, Add	*3,108.62*	
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	545.93	38.24
		For Work In Restricted Working Space, Add	*22.94*	
		For 304 Stainless Steel, Add	*3,098.37*	
		For 316 Stainless Steel, Add	*3,990.33*	

23 05 29 00-0134 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0135 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0134)*

Note: Type 4.

23 05 29 00-0136	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	14.54	4.55
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0137	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	14.69	4.62
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0138	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	14.88	4.70
		For Work In Restricted Working Space, Add	*2.82*	
23 05 29 00-0139	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	16.69	4.77
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0140	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	16.84	4.85
		For Work In Restricted Working Space, Add	*2.91*	
23 05 29 00-0141	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	18.25	4.93
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0142	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	19.05	5.08
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0143	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	20.39	5.23
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0144	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	24.66	5.30
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0145	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	27.68	6.82
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0146	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	40.62	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-0147	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	57.14	11.37
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0148	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	67.41	13.27
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0149	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	104.02	15.16
		For Work In Restricted Working Space, Add	*9.10*	
23 05 29 00-0150	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	147.35	16.68
		For Work In Restricted Working Space, Add	*10.01*	
23 05 29 00-0151	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	250.32	18.19
		For Work In Restricted Working Space, Add	*10.92*	
23 05 29 00-0152	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	271.34	19.71
		For Work In Restricted Working Space, Add	*11.83*	
23 05 29 00-0153	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	455.62	21.23
		For Work In Restricted Working Space, Add	*12.74*	
23 05 29 00-0154	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	529.35	22.74
		For Work In Restricted Working Space, Add	*13.65*	
23 05 29 00-0155	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	696.25	25.01
		For Work In Restricted Working Space, Add	*15.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0156		Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0134)* Note: Type 8.		
23 05 29 00-0157	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	15.26	4.22
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0158	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	16.04	4.29
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0159	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	16.26	4.36
		For Work In Restricted Working Space, Add	*2.62*	
23 05 29 00-0160	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	17.98	4.43
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0161	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	18.83	4.50
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0162	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	19.34	4.58
		For Work In Restricted Working Space, Add	*2.75*	
23 05 29 00-0163	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	20.24	4.72
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0164	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	21.65	4.86
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0165	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	24.37	4.93
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0166	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	29.10	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0167	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	37.25	8.45
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0168	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	47.47	10.56
		For Work In Restricted Working Space, Add	*6.34*	
23 05 29 00-0169	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	67.77	12.32
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0170	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	91.99	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0171	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	113.41	15.50
		For Work In Restricted Working Space, Add	*9.30*	
23 05 29 00-0172	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	157.81	16.90
		For Work In Restricted Working Space, Add	*10.14*	
23 05 29 00-0173	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	319.68	18.31
		For Work In Restricted Working Space, Add	*10.99*	
23 05 29 00-0174		Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0134)*		
23 05 29 00-0175	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	31.46	4.22
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0176	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	31.95	4.29
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0177	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.41	4.36
		For Work In Restricted Working Space, Add	*2.62*	
23 05 29 00-0178	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	36.05	4.43
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0179	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	41.42	4.50
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0180	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	44.30	4.58
		For Work In Restricted Working Space, Add	*2.75*	
23 05 29 00-0181	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	48.28	4.72
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0182	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	53.50	4.86
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0183	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	72.79	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0184		Copper Tubing Riser Clamp (Cooper B-Line B3373CT) *(23 05 29 00-0134)*		
23 05 29 00-0185	EA	1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	18.55	4.22
23 05 29 00-0186	EA	3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	18.70	4.29
23 05 29 00-0187	EA	1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	18.84	4.36
23 05 29 00-0188	EA	1-1/4"Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	19.30	4.43
23 05 29 00-0189	EA	1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	21.75	4.50
23 05 29 00-0190	EA	2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	22.58	4.58
23 05 29 00-0191	EA	2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	25.25	4.72
23 05 29 00-0192	EA	3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	28.01	4.86
23 05 29 00-0193	EA	3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.16	4.93
23 05 29 00-0194	EA	4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	37.21	6.34
23 05 29 00-0195	EA	5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	49.47	8.45
23 05 29 00-0196	EA	6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	63.09	10.56
23 05 29 00-0197		Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0134)* Note: Type 42		
23 05 29 00-0198	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	77.34	4.93
		For Work In Restricted Working Space, Add	*2.94*	
23 05 29 00-0199	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	81.91	5.28
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0200	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	90.24	5.63
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0201	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	96.90	5.63
		For Work In Restricted Working Space, Add	*3.37*	
23 05 29 00-0202	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	117.88	6.34
		For Work In Restricted Working Space, Add	*3.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0203	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	383.95	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0204	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	515.76	8.45
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0205	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	614.87	9.87
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0206	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	901.09	10.56
		For Work In Restricted Working Space, Add	*6.34*	
23 05 29 00-0207	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,246.61	11.27
		For Work In Restricted Working Space, Add	*6.76*	

23 05 29 00-0208 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0134)*

23 05 29 00-0209	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	70.85	4.93
		For Work In Restricted Working Space, Add	*2.94*	
23 05 29 00-0210	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	76.35	5.28
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0211	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	138.62	5.63
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0212	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	155.05	5.63
		For Work In Restricted Working Space, Add	*3.37*	
23 05 29 00-0213	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	225.11	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0214	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	348.95	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0215	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	469.48	8.45
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0216	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	559.08	9.87
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0217	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	822.73	10.56
		For Work In Restricted Working Space, Add	*6.34*	
23 05 29 00-0218	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	1,130.63	11.27
		For Work In Restricted Working Space, Add	*6.76*	

23 05 29 00-0219 Split Pipe Clamps And Rings *(23 05 29 00-0001)*

23 05 29 00-0220 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0219)*

Note: Type 6.

23 05 29 00-0221	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	25.98	6.44
		For Work In Restricted Working Space, Add	*3.87*	
23 05 29 00-0222	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	27.51	6.82
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0223	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	29.70	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0224	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	32.29	7.96
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0225	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	35.25	8.34
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0226	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	45.73	8.72
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0227	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	50.84	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-0228	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	70.28	10.24
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0229	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	89.55	12.89
		For Work In Restricted Working Space, Add	*7.73*	
23 05 29 00-0230	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	122.63	15.16
		For Work In Restricted Working Space, Add	*9.10*	

23 05 29 00-0231 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0219)*

Note: Type 11.

23 05 29 00-0232	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	15.16	5.35
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0233	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	16.06	5.35
		For Work In Restricted Working Space, Add	*3.42*	
23 05 29 00-0234	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	17.56	6.88
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0235	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	19.40	6.88
		For Work In Restricted Working Space, Add	*4.03*	
23 05 29 00-0236	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	22.42	6.88
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0237	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	26.88	7.64
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0238	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	39.06	7.64
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0239	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	44.20	8.41
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0240	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	46.70	9.18
		For Work In Restricted Working Space, Add	*5.46*	

23 05 29 00-0241 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0219)*

Note: Type 12.

23 05 29 00-0242	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	15.16	5.35
		For Work In Restricted Working Space, Add	*3.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0243	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	16.06	5.73
		For Work In Restricted Working Space, Add	*3.42*	
23 05 29 00-0244	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	17.56	6.50
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0245	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	19.40	6.88
		For Work In Restricted Working Space, Add	*4.03*	
23 05 29 00-0246	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	22.42	6.88
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0247	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	26.88	7.64
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0248	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	39.06	8.03
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0249	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	44.20	8.41
		For Work In Restricted Working Space, Add	*4.99*	

23 05 29 00-0250 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0251 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0250)*

23 05 29 00-0252	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	10.15	3.83
		For Work In Restricted Working Space, Add	*2.29*	
23 05 29 00-0253	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	10.56	4.58
		For Work In Restricted Working Space, Add	*2.42*	
23 05 29 00-0254	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	11.00	4.58
		For Work In Restricted Working Space, Add	*2.55*	
23 05 29 00-0255	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	11.62	4.58
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0256	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	12.26	5.35
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0257	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.64	5.35
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0258	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.97	5.35
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0259	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	25.86	5.35
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0260	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	30.74	6.88
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0261	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	38.69	7.64
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0262	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	49.78	8.41
		For Work In Restricted Working Space, Add	*5.05*	

23 05 29 00-0263 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0250)*

23 05 29 00-0264	EA	1/2" Two Hole Copper-Clad Pipe Strap	4.26	
		For Work In Restricted Working Space, Add	*1.15*	
23 05 29 00-0265	EA	3/4" Two Hole Copper-Clad Pipe Strap	4.51	
		For Work In Restricted Working Space, Add	*1.20*	
23 05 29 00-0266	EA	1" Two Hole Copper-Clad Pipe Strap	5.07	
		For Work In Restricted Working Space, Add	*1.26*	
23 05 29 00-0267	EA	1-1/4" Two Hole Copper-Clad Pipe Strap	5.65	
		For Work In Restricted Working Space, Add	*1.32*	
23 05 29 00-0268	EA	1-1/2" Two Hole Copper-Clad Pipe Strap	6.08	
		For Work In Restricted Working Space, Add	*1.37*	
23 05 29 00-0269	EA	2" Two Hole Copper-Clad Pipe Strap	6.61	
		For Work In Restricted Working Space, Add	*1.49*	

23 05 29 00-0270 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0250)*

23 05 29 00-0271	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.39	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0272	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.95	
		For Work In Restricted Working Space, Add	*0.41*	
23 05 29 00-0273	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.16	
		For Work In Restricted Working Space, Add	*0.44*	
23 05 29 00-0274	EA	1-1/4" Galvanized Steel Strap, 1 Hole	3.39	
		For Work In Restricted Working Space, Add	*0.48*	
23 05 29 00-0275	EA	1-1/2" Galvanized Steel Strap, 1 Hole	3.63	
		For Work In Restricted Working Space, Add	*0.52*	
23 05 29 00-0276	EA	2" Galvanized Steel Strap, 1 Hole	4.06	
		For Work In Restricted Working Space, Add	*0.57*	

23 05 29 00-0277 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

23 05 29 00-0278 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0277)*

Note: Up to 750# load.

23 05 29 00-0279	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	129.19	8.45
		For Galvanized, Add	*22.46*	
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0280	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	131.24	8.45
		For Galvanized, Add	*22.87*	
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0281	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	139.37	8.45
		For Galvanized, Add	*24.49*	
		For Work In Restricted Working Space, Add	*5.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0282		**Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)** *(23 05 29 00-0277)* Note: Up to 1500# load.		
23 05 29 00-0283	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	327.61	8.45
		For Galvanized, Add	*62.14*	
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0284	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	386.02	8.45
		For Galvanized, Add	*73.82*	
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0285	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	505.13	8.45
		For Galvanized, Add	*97.65*	
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0286		**Pipe Alignment Guide** *(23 05 29 00-0001)*		
23 05 29 00-0287		**Pipe Alignment Guide, 1" Insulation** *(23 05 29 00-0286)*		
23 05 29 00-0288	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	385.60	13.38
23 05 29 00-0289	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	386.30	13.74
23 05 29 00-0290	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	387.01	14.09
23 05 29 00-0291	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	387.71	14.44
23 05 29 00-0292	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	423.37	14.79
23 05 29 00-0293	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	431.61	16.20
23 05 29 00-0294	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	432.67	16.73
23 05 29 00-0295	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	433.72	17.25
23 05 29 00-0296	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	459.03	18.31
23 05 29 00-0297	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	534.71	23.25
23 05 29 00-0298	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	544.57	28.18
23 05 29 00-0299	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	612.68	35.22
23 05 29 00-0300	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,140.03	42.26
23 05 29 00-0301	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	1,737.54	56.35
23 05 29 00-0302	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,137.81	70.44
23 05 29 00-0303	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	2,574.12	78.89
23 05 29 00-0304	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	2,775.47	88.05
23 05 29 00-0305	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	2,947.42	100.72
23 05 29 00-0306	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	3,720.36	105.65
23 05 29 00-0307		**Pipe Alignment Guide, 1-1/2" Insulation** *(23 05 29 00-0286)*		
23 05 29 00-0308	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	386.30	13.74
23 05 29 00-0309	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	421.96	14.09
23 05 29 00-0310	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	422.66	14.44
23 05 29 00-0311	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	423.37	14.79
23 05 29 00-0312	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	424.07	15.15
23 05 29 00-0313	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	432.31	16.56
23 05 29 00-0314	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	433.37	17.08
23 05 29 00-0315	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	457.62	17.61
23 05 29 00-0316	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	459.73	18.66
23 05 29 00-0317	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	535.76	23.77
23 05 29 00-0318	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	545.97	28.88
23 05 29 00-0319	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	614.43	36.10
23 05 29 00-0320	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,142.14	43.32
23 05 29 00-0321	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	1,740.37	57.75
23 05 29 00-0322	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,141.34	72.19
23 05 29 00-0323	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	2,578.34	81.00
23 05 29 00-0324	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	2,779.69	90.16
23 05 29 00-0325	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	2,952.34	103.19
23 05 29 00-0326	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	3,725.64	108.29
23 05 29 00-0327		**Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0286)*		
23 05 29 00-0328	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	421.96	14.09
23 05 29 00-0329	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	428.09	14.44
23 05 29 00-0330	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	428.80	14.79
23 05 29 00-0331	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	429.50	15.15
23 05 29 00-0332	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	430.20	15.50
23 05 29 00-0333	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	456.21	16.90
23 05 29 00-0334	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	457.62	17.61
23 05 29 00-0335	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	458.50	18.05
23 05 29 00-0336	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	526.25	19.02
23 05 29 00-0337	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	536.82	24.30
23 05 29 00-0338	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	601.40	29.59
23 05 29 00-0339	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	676.03	36.98
23 05 29 00-0340	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,144.26	44.37
23 05 29 00-0341	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	1,743.18	59.16
23 05 29 00-0342	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,144.85	73.96
23 05 29 00-0343	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	2,582.41	83.04
23 05 29 00-0344	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	2,784.28	92.45
23 05 29 00-0345	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	2,957.28	105.65
23 05 29 00-0346	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	3,730.92	110.94
23 05 29 00-0347		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0286)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0348	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	428.09	14.44
23 05 29 00-0349	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	451.99	14.79
23 05 29 00-0350	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	452.69	15.15
23 05 29 00-0351	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	453.39	15.50
23 05 29 00-0352	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	454.09	15.85
23 05 29 00-0353	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	456.91	17.25
23 05 29 00-0354	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	458.50	18.05
23 05 29 00-0355	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	525.20	18.49
23 05 29 00-0356	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	526.96	19.37
23 05 29 00-0357	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	591.55	24.65
23 05 29 00-0358	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	602.81	30.29
23 05 29 00-0359		8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,131.23	37.86
23 05 29 00-0360	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	1,715.72	45.43
23 05 29 00-0361	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,118.09	60.57
23 05 29 00-0362	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,148.75	75.72
23 05 29 00-0363	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	2,586.80	85.22
23 05 29 00-0364	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	2,788.85	94.74
23 05 29 00-0365	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	2,962.56	108.29
23 05 29 00-0366	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	3,736.56	113.75

23 05 29 00-0367 Pipe Alignment Guide, 3" Insulation *(23 05 29 00-0286)*

23 05 29 00-0368	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	451.99	14.79
23 05 29 00-0369	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	452.69	15.15
23 05 29 00-0370	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	453.39	15.50
23 05 29 00-0371	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	454.09	15.85
23 05 29 00-0372	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	454.80	16.20
23 05 29 00-0373	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	523.44	17.61
23 05 29 00-0374	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	525.20	18.49
23 05 29 00-0375	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	526.25	19.02
23 05 29 00-0376	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	581.96	19.86
23 05 29 00-0377	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	592.95	25.35
23 05 29 00-0378	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	664.06	30.99
23 05 29 00-0379	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,132.99	38.74
23 05 29 00-0380	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	1,717.82	46.49
23 05 29 00-0381	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,120.91	61.99
23 05 29 00-0382	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,152.27	77.48
23 05 29 00-0383	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	2,591.02	87.34
23 05 29 00-0384	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	2,793.08	96.85
23 05 29 00-0385	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	2,967.84	110.94
23 05 29 00-0386	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	3,742.19	116.57

23 05 29 00-0387 Pipe Alignment Guide, 3-1/2" Insulation *(23 05 29 00-0286)*

23 05 29 00-0388	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	452.69	15.15
23 05 29 00-0389	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	519.21	15.50
23 05 29 00-0390	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	519.91	15.85
23 05 29 00-0391	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	520.62	16.20
23 05 29 00-0392	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	521.32	16.56
23 05 29 00-0393	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	524.32	18.05
23 05 29 00-0394	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	526.11	18.95
23 05 29 00-0395	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	581.23	19.49
23 05 29 00-0396	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	583.09	20.43
23 05 29 00-0397	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	654.19	26.06
23 05 29 00-0398	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,118.91	31.69
23 05 29 00-0399	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,704.09	39.62
23 05 29 00-0400	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,092.61	47.65
23 05 29 00-0401	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,543.12	63.40
23 05 29 00-0402	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	2,575.17	79.42
23 05 29 00-0403	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	2,786.91	89.46
23 05 29 00-0404	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	2,944.60	99.31
23 05 29 00-0405	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	3,735.85	113.40

23 05 29 00-0406 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0286)*

23 05 29 00-0407	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	519.21	15.50
23 05 29 00-0408	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	519.91	15.85
23 05 29 00-0409	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	520.62	16.20
23 05 29 00-0410	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	521.32	16.56
23 05 29 00-0411	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	522.03	16.90
23 05 29 00-0412	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	579.22	18.49
23 05 29 00-0413	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	580.98	19.37
23 05 29 00-0414	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	582.18	19.97
23 05 29 00-0415	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	643.98	20.95
23 05 29 00-0416	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,109.04	26.77
23 05 29 00-0417	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,120.31	32.40
23 05 29 00-0418	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,705.85	40.50
23 05 29 00-0419	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,095.21	48.96
23 05 29 00-0420	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	2,546.30	64.98
23 05 29 00-0421	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	2,761.38	81.00
23 05 29 00-0422	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	2,929.10	91.56
23 05 29 00-0423	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	3,713.32	102.13

23 05 29 00-0424 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0425	EA	1-1/2" Sway Bracing	99.47	9.30
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0426	EA	2" Sway Bracing	102.44	9.80
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0427	EA	3" Sway Bracing	106.05	10.35
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0428	EA	4" Sway Bracing	120.37	11.76
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0429	EA	6" Sway Bracing	176.52	17.61
		For Work In Restricted Working Space, Add	*10.57*	
23 05 29 00-0430	EA	8" Sway Bracing	194.91	21.98
		For Work In Restricted Working Space, Add	*13.21*	
23 05 29 00-0431	EA	10" Sway Bracing	218.62	29.38
		For Work In Restricted Working Space, Add	*17.61*	

23 05 29 00-0432 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0433	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	195.22	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0434	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	199.01	7.75
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0435	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	351.53	8.81
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0436	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	449.10	9.87
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0437	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	454.47	10.91
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0438	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	493.09	12.32
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0439	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	597.54	13.38
		For Work In Restricted Working Space, Add	*8.03*	
23 05 29 00-0440	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	603.95	14.44
		For Work In Restricted Working Space, Add	*8.66*	
23 05 29 00-0441	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	612.16	15.85
		For Work In Restricted Working Space, Add	*9.51*	
23 05 29 00-0442	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	634.05	17.25
		For Work In Restricted Working Space, Add	*10.35*	
23 05 29 00-0443	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	672.94	19.02
		For Work In Restricted Working Space, Add	*11.41*	
23 05 29 00-0444	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	691.08	21.13
		For Work In Restricted Working Space, Add	*12.68*	
23 05 29 00-0445	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	845.29	23.25
		For Work In Restricted Working Space, Add	*13.95*	
23 05 29 00-0446	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	911.80	26.06
		For Work In Restricted Working Space, Add	*15.64*	
23 05 29 00-0447	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,308.03	28.88
		For Work In Restricted Working Space, Add	*17.33*	
23 05 29 00-0448	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,565.85	31.69
		For Work In Restricted Working Space, Add	*19.02*	
23 05 29 00-0449	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,840.11	34.51
		For Work In Restricted Working Space, Add	*20.71*	

23 05 29 00-0450 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0451 Rooftop Support Base *(23 05 29 00-0450)*

23 05 29 00-0452	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	27.57	5.73
23 05 29 00-0453	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	38.52	7.64

23 05 29 00-0454 Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0450)*

23 05 29 00-0455	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	31.58	5.73
23 05 29 00-0456	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	45.03	7.64
23 05 29 00-0457	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	84.62	9.56
23 05 29 00-0458	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	117.51	11.47
23 05 29 00-0459	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	163.54	13.38
23 05 29 00-0460	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	172.08	15.29

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0461		**Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0450)*		
23 05 29 00-0462	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	55.67	7.64
23 05 29 00-0463	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	89.37	9.56
23 05 29 00-0464	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	119.41	11.47
23 05 29 00-0465	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	163.64	13.38
23 05 29 00-0466	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	185.24	11.47
23 05 29 00-0467		**Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0450)*		
23 05 29 00-0468	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	93.68	11.47
23 05 29 00-0469	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	106.60	13.38
23 05 29 00-0470	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	110.38	15.29
23 05 29 00-0471	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	120.67	17.20
23 05 29 00-0472	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	155.36	19.12
23 05 29 00-0473		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0450)*		
23 05 29 00-0474	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	68.28	7.64
23 05 29 00-0475	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	68.28	7.64
23 05 29 00-0476	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	68.68	7.64
23 05 29 00-0477	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	72.91	9.56
23 05 29 00-0478	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	70.00	9.56
23 05 29 00-0479	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	73.74	9.56
23 05 29 00-0480		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0450)*		
23 05 29 00-0481	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	87.35	7.64
23 05 29 00-0482	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	97.81	7.64
23 05 29 00-0483	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	128.37	9.56
23 05 29 00-0484	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	171.11	9.56
23 05 29 00-0485	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	234.59	9.56
23 05 29 00-0486		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0450)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0487	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	108.16	11.47
23 05 29 00-0488		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0450)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0489	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	70.19	9.56
23 05 29 00-0490	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	96.21	11.47
23 05 29 00-0491	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	107.08	13.38
23 05 29 00-0492		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0450)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0493	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	264.65	15.29
23 05 29 00-0494	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	267.66	15.29
23 05 29 00-0495	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	278.21	15.29
23 05 29 00-0496	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	302.44	15.29
23 05 29 00-0497	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	259.28	15.29
23 05 29 00-0498	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	269.38	15.29
23 05 29 00-0499	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	279.93	15.29
23 05 29 00-0500	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	304.15	15.29
23 05 29 00-0501	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	271.28	15.29
23 05 29 00-0502	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	274.81	15.29
23 05 29 00-0503	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	285.16	15.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0504	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	309.48	15.29
23 05 29 00-0505	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	283.54	15.29
23 05 29 00-0506	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	286.76	15.29
23 05 29 00-0507	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	297.11	15.29
23 05 29 00-0508	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	321.43	15.29

23 05 29 00-0509 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0510 Threaded Rod And Rod Accessories *(23 05 29 00-0509)*

23 05 29 00-0511 Threaded Rod *(23 05 29 00-0510)*

Note: Fully threaded.

23 05 29 00-0512	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.86	0.48
		For Galvanized, Add	*0.76*	
		For Zinc Plated, Add	*0.54*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0513	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.04	0.51
		For Galvanized, Add	*1.21*	
		For Zinc Plated, Add	*0.86*	
		For Work In Restricted Working Space, Add	*0.31*	
23 05 29 00-0514	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.75	0.52
		For Galvanized, Add	*1.88*	
		For Zinc Plated, Add	*1.34*	
		For Work In Restricted Working Space, Add	*0.32*	
23 05 29 00-0515	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.60	0.54
		For Galvanized, Add	*3.40*	
		For Zinc Plated, Add	*2.43*	
		For Work In Restricted Working Space, Add	*0.33*	
23 05 29 00-0516	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.49	0.56
		For Galvanized, Add	*3.74*	
		For Zinc Plated, Add	*2.67*	
		For Work In Restricted Working Space, Add	*0.34*	
23 05 29 00-0517	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.42	0.63
		For Galvanized, Add	*5.26*	
		For Zinc Plated, Add	*3.74*	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0518	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.98	0.71
		For Galvanized, Add	*6.63*	
		For Zinc Plated, Add	*4.72*	
		For Work In Restricted Working Space, Add	*0.42*	

23 05 29 00-0519 Rod Couplings *(23 05 29 00-0510)*

23 05 29 00-0520	EA	3/8" Diameter, Threaded Rod Coupling Nut	6.21	
		For Work In Restricted Working Space, Add	*1.41*	
23 05 29 00-0521	EA	1/2" Diameter, Threaded Rod Coupling Nut	7.10	
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0522	EA	5/8" Diameter, Threaded Rod Coupling Nut	9.22	
		For Work In Restricted Working Space, Add	*1.76*	
23 05 29 00-0523	EA	3/4" Diameter, Threaded Rod Coupling Nut	11.64	
		For Work In Restricted Working Space, Add	*1.92*	
23 05 29 00-0524	EA	7/8" Diameter, Threaded Rod Coupling Nut	18.32	
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0525	EA	1" Diameter, Threaded Rod Coupling Nut	21.77	
		For Work In Restricted Working Space, Add	*2.49*	
23 05 29 00-0526	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	45.06	
		For Work In Restricted Working Space, Add	*2.82*	

23 05 29 00-0527 Flat Washers *(23 05 29 00-0510)*

Note: Zinc plated.

23 05 29 00-0528	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.45	0.15
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.10*	
23 05 29 00-0529	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.65	0.15
		For Galvanized, Add	*0.07*	
		For Work In Restricted Working Space, Add	*0.11*	
23 05 29 00-0530	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.97	0.23
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.13*	
23 05 29 00-0531	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.33	0.23
		For Galvanized, Add	*0.20*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0532	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.57	0.30
		For Galvanized, Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.19*	
23 05 29 00-0533	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.87	0.30
		For Galvanized, Add	*0.29*	
		For Work In Restricted Working Space, Add	*0.21*	
23 05 29 00-0534	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.11	0.38
		For Galvanized, Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 29 00-0535 Hex Nuts *(23 05 29 00-0510)*

Note: Grade 2 and zinc plated.

23 05 29 00-0536	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.19
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.13*	
23 05 29 00-0537	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.71	0.19
		For Galvanized, Add	*0.06*	
		For Work In Restricted Working Space, Add	*0.14*	
23 05 29 00-0538	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.05	0.19
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.15*	
23 05 29 00-0539	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.27	0.38
		For Galvanized, Add	*0.19*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0540	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.96	0.38
		For Galvanized, Add	*0.35*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0541	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.52	0.38
		For Galvanized, Add	*0.47*	
		For Work In Restricted Working Space, Add	*0.19*	
23 05 29 00-0542	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.29	0.38
		For Galvanized, Add	*0.90*	
		For Work In Restricted Working Space, Add	*0.21*	

23 05 29 00-0543 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0510)*

Note: Type 13.

23 05 29 00-0544	EA	3/8" Turnbuckle (Cooper B-Line B3202)	25.92	3.83
		For Work In Restricted Working Space, Add	*2.29*	
23 05 29 00-0545	EA	1/2" Turnbuckle (Cooper B-Line B3202)	31.22	4.20
		For Work In Restricted Working Space, Add	*2.55*	
23 05 29 00-0546	EA	5/8" Turnbuckle (Cooper B-Line B3202)	33.32	4.58
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0547	EA	3/4" Turnbuckle (Cooper B-Line B3202)	42.74	5.35
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0548	EA	7/8" Turnbuckle (Cooper B-Line B3202)	56.37	5.73
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0549	EA	1" Turnbuckle (Cooper B-Line B3202)	70.36	6.12
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0550	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	99.16	6.88
		For Work In Restricted Working Space, Add	*5.74*	

23 05 29 00-0551 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0510)*

Note: Type 15.

23 05 29 00-0552	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	14.37	3.83
		For Work In Restricted Working Space, Add	*2.29*	
23 05 29 00-0553	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	16.88	4.28
		For Work In Restricted Working Space, Add	*2.55*	
23 05 29 00-0554	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	23.65	4.75
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0555	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	29.03	5.43
		For Work In Restricted Working Space, Add	*3.28*	

23 05 29 00-0556 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0510)*

Note: Type 14.

23 05 29 00-0557	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	94.76	7.04
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0558	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	144.14	7.40
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0559	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	156.18	7.75
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0560	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	162.45	8.45
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0561	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	169.99	9.51
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0562	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	288.13	12.32
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0563	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	311.70	14.09
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0564	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	365.98	17.61
		For Work In Restricted Working Space, Add	*10.57*	

23 05 29 00-0565 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0510)*

23 05 29 00-0566	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	25.28	4.13
		For Work In Restricted Working Space, Add	*2.48*	
23 05 29 00-0567	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	26.17	4.20
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0568	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	27.06	4.28
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0569	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	27.22	4.36
		For Work In Restricted Working Space, Add	*2.63*	
23 05 29 00-0570	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	29.01	4.51
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0571	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	30.99	4.81
		For Work In Restricted Working Space, Add	*2.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0572	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	32.19	5.05
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-0573	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	34.90	5.28
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0574	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	36.84	5.51
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0575	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	38.80	5.73
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0576	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	35.01	4.58
		For Work In Restricted Working Space, Add	*2.75*	
23 05 29 00-0577	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	35.90	4.67
		For Work In Restricted Working Space, Add	*2.80*	
23 05 29 00-0578	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	36.83	4.75
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0579	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	37.73	4.82
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0580	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	39.55	4.97
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-0581	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	43.00	5.28
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0582	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	45.73	5.51
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0583	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	49.20	5.73
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0584	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	51.90	6.05
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0585	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	54.64	6.27
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0586	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	48.66	5.13
		For Work In Restricted Working Space, Add	*3.08*	
23 05 29 00-0587	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	50.29	5.20
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-0588	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	51.96	5.28
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0589	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	52.87	5.43
		For Work In Restricted Working Space, Add	*3.24*	
23 05 29 00-0590	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	55.44	5.58
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0591	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	59.66	5.81
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0592	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	63.87	6.12
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0593	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	67.35	6.35
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0594	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	71.56	6.65
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0595	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	75.77	6.88
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0596	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	60.38	5.81
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0597	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	62.79	5.88
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0598	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	64.43	6.05
		For Work In Restricted Working Space, Add	*3.61*	
23 05 29 00-0599	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	66.82	6.12
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0600	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	70.88	6.27
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0601	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	76.57	6.58
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0602	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	82.28	6.81
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0603	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	88.75	7.11
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0604	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	95.17	7.35
		For Work In Restricted Working Space, Add	*4.42*	
23 05 29 00-0605	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	100.89	7.65
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0606	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	72.57	6.73
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0607	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	75.70	6.88
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0608	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	78.12	6.96
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0609	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	80.52	7.03
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0610	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	85.34	7.27
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0611	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	93.27	7.50
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0612	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	100.47	7.80
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0613	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	108.42	8.11
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0614	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	115.63	8.33
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0615	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	122.84	8.65
		For Work In Restricted Working Space, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0616	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	91.42	8.11
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0617	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	94.60	8.18
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0618	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	97.77	8.26
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0619	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	100.93	8.41
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0620	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	107.23	8.65
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0621	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	116.74	8.95
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0622	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	126.26	9.25
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0623	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	136.45	9.56
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0624	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	145.94	9.86
		For Work In Restricted Working Space, Add	*5.93*	
23 05 29 00-0625	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	155.45	10.18
		For Work In Restricted Working Space, Add	*6.12*	

23 05 29 00-0626 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0510)*

23 05 29 00-0627	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	56.93	5.58
		For Work In Restricted Working Space, Add	*3.37*	
23 05 29 00-0628	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	58.46	5.73
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0629	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	59.99	5.96
		For Work In Restricted Working Space, Add	*3.56*	
23 05 29 00-0630	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	60.47	6.19
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0631	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	63.38	6.43
		For Work In Restricted Working Space, Add	*3.84*	
23 05 29 00-0632	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	66.85	6.88
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0633	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	69.01	7.34
		For Work In Restricted Working Space, Add	*4.42*	
23 05 29 00-0634	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	73.67	7.88
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0635	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	74.98	6.20
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0636	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	76.54	6.35
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0637	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	78.15	6.50
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0638	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	79.88	6.81
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0639	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	82.83	7.03
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0640	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	88.76	7.57
		For Work In Restricted Working Space, Add	*4.53*	
23 05 29 00-0641	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	93.49	8.03
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0642	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	99.43	8.56
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0643	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	102.21	6.88
		For Work In Restricted Working Space, Add	*4.15*	
23 05 29 00-0644	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	104.99	7.11
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0645	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	107.83	7.27
		For Work In Restricted Working Space, Add	*4.36*	
23 05 29 00-0646	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	109.58	7.57
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0647	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	113.81	7.80
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0648	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	121.02	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0649	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	128.20	8.87
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0650	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	134.18	9.41
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0651	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	130.46	7.80
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0652	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	134.55	8.03
		For Work In Restricted Working Space, Add	*4.81*	
23 05 29 00-0653	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	137.35	8.18
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0654	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	141.59	8.49
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0655	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	148.27	8.72
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0656	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	157.94	9.25
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0657	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	167.65	9.79
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0658	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	178.60	10.40
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0659	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	157.17	9.03
		For Work In Restricted Working Space, Add	*5.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0660	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	162.48	9.25
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0661	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	166.56	9.41
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0662	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	170.80	9.71
		For Work In Restricted Working Space, Add	*5.83*	
23 05 29 00-0663	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	178.78	10.02
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0664	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	192.19	10.55
		For Work In Restricted Working Space, Add	*6.34*	
23 05 29 00-0665	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	204.39	11.16
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0666	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	217.81	11.70
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0667	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	201.21	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0668	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	206.57	11.01
		For Work In Restricted Working Space, Add	*6.61*	
23 05 29 00-0669	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	211.91	11.25
		For Work In Restricted Working Space, Add	*6.73*	
23 05 29 00-0670	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	217.48	11.55
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0671	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	227.91	11.86
		For Work In Restricted Working Space, Add	*7.11*	
23 05 29 00-0672	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	243.97	12.46
		For Work In Restricted Working Space, Add	*7.50*	
23 05 29 00-0673	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	260.04	13.16
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0674	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	277.23	13.76
		For Work In Restricted Working Space, Add	*8.26*	

23 05 29 00-0675 Attachments *(23 05 29 00-0509)*

23 05 29 00-0676 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0675)*

Note: Type 22.

23 05 29 00-0677	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	28.41	7.14
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0678	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	30.27	7.50
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0679	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	32.21	7.93
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-0680	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	40.48	8.43
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0681	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	48.14	8.93
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0682	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	66.65	10.22
		For Work In Restricted Working Space, Add	*6.12*	
23 05 29 00-0683	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	93.02	10.71
		For Work In Restricted Working Space, Add	*6.43*	

23 05 29 00-0684 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0675)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0685	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	11.29	3.90
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0686	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	13.19	4.97
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0687	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	14.81	5.35
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0688	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	18.52	5.73
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0689	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	25.86	6.12
		For Work In Restricted Working Space, Add	*3.83*	

23 05 29 00-0690 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0675)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0691	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	27.92	5.35
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0692	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	39.92	6.88
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0693	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	55.96	7.65
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0694	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	66.68	8.41
		For Work In Restricted Working Space, Add	*5.10*	
23 05 29 00-0695	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	156.30	9.18
		For Work In Restricted Working Space, Add	*5.74*	

23 05 29 00-0696 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0675)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0697	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	9.16	1.91
		For Work In Restricted Working Space, Add	*2.29*	
23 05 29 00-0698	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	9.89	2.30
		For Work In Restricted Working Space, Add	*2.42*	
23 05 29 00-0699	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	10.60	2.30
		For Work In Restricted Working Space, Add	*2.55*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0700	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	11.89	2.30
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0701	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	12.35	2.68
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0702	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	13.21	2.68
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0703	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	18.15	2.68
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0704	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	19.94	3.06
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0705	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.75	3.44
		For Work In Restricted Working Space, Add	*3.82*	

23 05 29 00-0706 Copper Standoff Brackets With Flange *(23 05 29 00-0675)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0707	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	23.95	10.93
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0708	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	24.08	10.93
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0709	EA	Clamp Size 1", Copper Standoff Brackets With Flange	24.21	10.93
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0710	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	25.78	11.63
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0711	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	26.04	11.63
		For Work In Restricted Working Space, Add	*6.95*	

23 05 29 00-0712 Malleable Iron Eye Sockets (B-Line B-3222) *(23 05 29 00-0675)*

Note: Type 16.

23 05 29 00-0713	EA	3/8" Rod Size, Malleable Iron Eye Socket	6.14	1.15
		For Work In Restricted Working Space, Add	*0.70*	
23 05 29 00-0714	EA	1/2" Rod Size, Malleable Iron Eye Socket	7.86	1.53
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0715	EA	5/8" Rod Size, Malleable Iron Eye Socket	12.95	1.53
		For Work In Restricted Working Space, Add	*0.93*	
23 05 29 00-0716	EA	3/4" Rod Size, Malleable Iron Eye Socket	17.92	1.53
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0717	EA	7/8" Rod Size, Malleable Iron Eye Socket	19.48	1.91
		For Work In Restricted Working Space, Add	*1.15*	

23 05 29 00-0718 Steel Weldless Eye Nuts (B-Line B-3200) *(23 05 29 00-0675)*

Note: Type 17.

23 05 29 00-0719	EA	3/8" Rod Size, Steel Weldless Eye Nut	18.66	1.15
		For Work In Restricted Working Space, Add	*0.70*	
23 05 29 00-0720	EA	1/2" Rod Size, Steel Weldless Eye Nut	19.40	1.53
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0721	EA	5/8" Rod Size, Steel Weldless Eye Nut	19.43	1.53
		For Work In Restricted Working Space, Add	*0.93*	
23 05 29 00-0722	EA	3/4" Rod Size, Steel Weldless Eye Nut	19.40	1.53
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0723	EA	7/8" Rod Size, Steel Weldless Eye Nut	37.17	1.68
		For Work In Restricted Working Space, Add	*1.04*	
23 05 29 00-0724	EA	1" Rod Size, Steel Weldless Eye Nut	37.55	1.91
		For Work In Restricted Working Space, Add	*1.15*	

23 05 29 00-0725 Top Mount I-Beam Clamps (B-Line B-3042) *(23 05 29 00-0675)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0726	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	14.08	3.56
		For Work In Restricted Working Space, Add	*2.14*	
23 05 29 00-0727	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	16.76	3.92
		For Work In Restricted Working Space, Add	*2.36*	
23 05 29 00-0728	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	20.08	4.28
		For Work In Restricted Working Space, Add	*2.60*	
23 05 29 00-0729	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	26.88	4.64
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0730	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	40.41	5.35
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0731	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	14.72	3.56
		For Work In Restricted Working Space, Add	*2.14*	
23 05 29 00-0732	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	17.67	3.92
		For Work In Restricted Working Space, Add	*2.36*	
23 05 29 00-0733	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	20.08	4.28
		For Work In Restricted Working Space, Add	*2.60*	
23 05 29 00-0734	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	29.28	4.64
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0735	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	44.50	5.35
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0736	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	16.22	3.56
		For Work In Restricted Working Space, Add	*2.14*	
23 05 29 00-0737	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	19.35	3.92
		For Work In Restricted Working Space, Add	*2.36*	
23 05 29 00-0738	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	24.03	4.28
		For Work In Restricted Working Space, Add	*2.60*	
23 05 29 00-0739	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	33.75	4.64
		For Work In Restricted Working Space, Add	*2.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0740	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	53.26	5.35
		For Work In Restricted Working Space, Add	*3.21*	

23 05 29 00-0741 Side Beam Brackets (B-Line B-3062) *(23 05 29 00-0675)*

Note: Type 34.

23 05 29 00-0742	EA	3/8" Rod Size, Side Beam Bracket	12.35	4.97
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0743	EA	1/2" Rod Size, Side Beam Bracket	14.35	4.97
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0744	EA	5/8" Rod Size, Side Beam Bracket	17.99	5.35
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0745	EA	3/4" Rod Size, Side Beam Bracket	30.06	5.73
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0746	EA	7/8" Rod Size, Side Beam Bracket	34.93	6.50
		For Work In Restricted Working Space, Add	*3.83*	

23 05 29 00-0747 Hex Lag Bolts *(23 05 29 00-0675)*

Note: Also known as coach screws.

23 05 29 00-0748	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	2.23	
		For Work In Restricted Working Space, Add	*0.48*	
23 05 29 00-0749	EA	3/8" x 4" Long, Hex Lag Bolt	2.35	
		For Work In Restricted Working Space, Add	*0.50*	
23 05 29 00-0750	EA	3/8" x 6" Long, Hex Lag Bolt	2.71	
		For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0751	EA	3/8" x 8" Long, Hex Lag Bolt	3.43	
		For Work In Restricted Working Space, Add	*0.53*	
23 05 29 00-0752	EA	3/8" x 10" Long, Hex Lag Bolt	3.67	
		For Work In Restricted Working Space, Add	*0.55*	
23 05 29 00-0753	EA	3/8" x 12" Long, Hex Lag Bolt	4.49	
		For Work In Restricted Working Space, Add	*0.57*	
23 05 29 00-0754	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	3.15	
		For Work In Restricted Working Space, Add	*0.57*	
23 05 29 00-0755	EA	1/2" x 4" Long, Hex Lag Bolt	3.35	
		For Work In Restricted Working Space, Add	*0.60*	
23 05 29 00-0756	EA	1/2" x 6" Long, Hex Lag Bolt	4.01	
		For Work In Restricted Working Space, Add	*0.62*	
23 05 29 00-0757	EA	1/2" x 8" Long, Hex Lag Bolt	4.79	
		For Work In Restricted Working Space, Add	*0.65*	
23 05 29 00-0758	EA	1/2" x 10" Long, Hex Lag Bolt	5.79	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0759	EA	1/2" x 12" Long, Hex Lag Bolt	6.23	
		For Work In Restricted Working Space, Add	*0.72*	
23 05 29 00-0760	EA	5/8" x 4" Long, Hex Lag Bolt	4.53	
		For Work In Restricted Working Space, Add	*0.64*	
23 05 29 00-0761	EA	3/4" x 5" Long, Hex Lag Bolt	5.42	
		For Work In Restricted Working Space, Add	*0.65*	

23 05 29 00-0762 Hanger Strap *(23 05 29 00-0509)*

23 05 29 00-0763	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	3.68	

23 05 29 00-0764 Shields And Saddles *(23 05 29)*

23 05 29 00-0765 Insulation Protection Shield *(23 05 29 00-0764)*

Note: Type 40.

23 05 29 00-0766 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0765)*

23 05 29 00-0767	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	13.71	1.83
		For Work In Restricted Working Space, Add	*1.84*	
23 05 29 00-0768	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	13.93	1.85
		For Work In Restricted Working Space, Add	*1.86*	
23 05 29 00-0769	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	14.31	1.88
		For Work In Restricted Working Space, Add	*1.88*	
23 05 29 00-0770	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	15.12	1.90
		For Work In Restricted Working Space, Add	*1.91*	
23 05 29 00-0771	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.06	1.95
		For Work In Restricted Working Space, Add	*1.95*	
23 05 29 00-0772	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	21.63	2.00
		For Work In Restricted Working Space, Add	*2.00*	
23 05 29 00-0773	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	25.77	2.05
		For Work In Restricted Working Space, Add	*2.04*	
23 05 29 00-0774	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	32.36	2.09
		For Work In Restricted Working Space, Add	*2.09*	
23 05 29 00-0775	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	42.75	2.11
		For Work In Restricted Working Space, Add	*2.11*	
23 05 29 00-0776	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	46.92	2.14
		For Work In Restricted Working Space, Add	*2.13*	
23 05 29 00-0777	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	66.25	2.16
		For Work In Restricted Working Space, Add	*2.16*	
23 05 29 00-0778	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	74.95	2.18
		For Work In Restricted Working Space, Add	*2.18*	
23 05 29 00-0779	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	142.96	2.21
		For Work In Restricted Working Space, Add	*2.21*	
23 05 29 00-0780	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	155.71	2.25
		For Work In Restricted Working Space, Add	*2.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0781	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	189.09	2.30
		For Work In Restricted Working Space, Add	*2.30*	

23 05 29 00-0782 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0765)*

23 05 29 00-0783	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	11.63	1.83
		For Work In Restricted Working Space, Add	*1.84*	
23 05 29 00-0784	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	11.80	1.85
		For Work In Restricted Working Space, Add	*1.86*	
23 05 29 00-0785	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	12.10	1.88
		For Work In Restricted Working Space, Add	*1.88*	
23 05 29 00-0786	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	12.71	1.90
		For Work In Restricted Working Space, Add	*1.91*	
23 05 29 00-0787	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.16	1.95
		For Work In Restricted Working Space, Add	*1.95*	
23 05 29 00-0788	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.51	2.00
		For Work In Restricted Working Space, Add	*2.00*	
23 05 29 00-0789	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	19.05	2.05
		For Work In Restricted Working Space, Add	*2.04*	
23 05 29 00-0790	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	25.38	2.09
		For Work In Restricted Working Space, Add	*2.09*	
23 05 29 00-0791	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	31.29	2.11
		For Work In Restricted Working Space, Add	*2.11*	

23 05 29 00-0792 Pipe Covering Protection Saddle *(23 05 29 00-0764)*

Note: Sizes are pipe sizes.

23 05 29 00-0793 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0792)*

23 05 29 00-0794	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	21.69	2.52
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0795	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	21.76	2.55
		For Work In Restricted Working Space, Add	*2.55*	
23 05 29 00-0796	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	21.83	2.58
		For Work In Restricted Working Space, Add	*2.57*	
23 05 29 00-0797	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.10	2.62
		For Work In Restricted Working Space, Add	*2.62*	
23 05 29 00-0798	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.17	2.64
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0799	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.03	2.68
		For Work In Restricted Working Space, Add	*2.68*	
23 05 29 00-0800	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.31	2.72
		For Work In Restricted Working Space, Add	*2.72*	
23 05 29 00-0801	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	31.32	2.76
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0802	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.79	2.85
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0803	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	44.73	2.95
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0804	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	50.68	3.00
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0805	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	61.20	3.00
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0806	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	67.35	3.11
		For Work In Restricted Working Space, Add	*3.11*	

23 05 29 00-0807 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0792)*

23 05 29 00-0808	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	25.22	2.52
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0809	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	25.29	2.55
		For Work In Restricted Working Space, Add	*2.55*	
23 05 29 00-0810	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	25.36	2.58
		For Work In Restricted Working Space, Add	*2.57*	
23 05 29 00-0811	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.40	2.62
		For Work In Restricted Working Space, Add	*2.62*	
23 05 29 00-0812	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.92	2.64
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0813	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.51	2.68
		For Work In Restricted Working Space, Add	*2.68*	
23 05 29 00-0814	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.05	2.72
		For Work In Restricted Working Space, Add	*2.72*	
23 05 29 00-0815	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	37.15	2.72
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0816	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	42.39	2.85
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0817	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	51.20	2.95
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0818	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	58.33	3.00
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0819	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	70.64	3.07
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0820	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	77.94	3.11
		For Work In Restricted Working Space, Add	*3.11*	

23 05 29 00-0821 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0792)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0822	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	27.11	2.66
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0823	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	27.18	2.68
		For Work In Restricted Working Space, Add	*2.68*	
23 05 29 00-0824	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.90	2.70
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0825	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.88	2.74
		For Work In Restricted Working Space, Add	*2.75*	
23 05 29 00-0826	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.77	2.76
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0827	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.91	2.81
		For Work In Restricted Working Space, Add	*2.81*	
23 05 29 00-0828	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.95	2.86
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0829	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.00	2.90
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0830	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	46.27	2.99
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0831	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	53.16	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0832	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	56.08	3.15
		For Work In Restricted Working Space, Add	*3.15*	
23 05 29 00-0833	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	78.20	3.22
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0834	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	87.32	3.26
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0835	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	96.61	3.34
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0836	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	105.88	3.43
		For Work In Restricted Working Space, Add	*3.43*	
23 05 29 00-0837	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	116.72	3.52
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0838	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	134.70	3.60
		For Work In Restricted Working Space, Add	*3.60*	

23 05 29 00-0839 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0792)*

23 05 29 00-0840	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	30.89	2.76
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0841	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	32.88	2.81
		For Work In Restricted Working Space, Add	*2.81*	
23 05 29 00-0842	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.88	2.83
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0843	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.96	2.88
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0844	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.17	2.93
		For Work In Restricted Working Space, Add	*2.94*	
23 05 29 00-0845	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	41.95	2.97
		For Work In Restricted Working Space, Add	*2.98*	
23 05 29 00-0846	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	48.89	3.07
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0847	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	57.93	3.18
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0848	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	62.50	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0849	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	80.22	3.29
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0850	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	96.69	3.34
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0851	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	113.29	3.42
		For Work In Restricted Working Space, Add	*3.43*	
23 05 29 00-0852	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	120.68	3.51
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0853	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	128.92	3.60
		For Work In Restricted Working Space, Add	*3.60*	
23 05 29 00-0854	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	137.16	3.69
		For Work In Restricted Working Space, Add	*3.68*	

23 05 29 00-0855 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0792)*

23 05 29 00-0856	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	35.13	2.90
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0857	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	38.85	2.95
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0858	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.74	2.99
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0859	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	42.64	3.05
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0860	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	49.93	3.14
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-0861	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	64.40	3.25
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0862	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	70.40	3.30
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0863	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	94.10	3.37
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0864	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	113.93	3.42
		For Work In Restricted Working Space, Add	*3.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0865	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	133.77	3.50
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0866	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	136.24	3.60
		For Work In Restricted Working Space, Add	*3.60*	
23 05 29 00-0867	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	138.63	3.68
		For Work In Restricted Working Space, Add	*3.68*	
23 05 29 00-0868	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	178.42	3.77
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0869		Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0792)*		
23 05 29 00-0870	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	40.44	2.96
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0871	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	44.87	3.01
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0872	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.11	3.07
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0873	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	49.45	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0874	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	61.93	3.21
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0875	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	74.41	3.33
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0876	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	77.05	3.38
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0877	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	100.91	3.45
		For Work In Restricted Working Space, Add	*3.45*	
23 05 29 00-0878	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	124.41	3.49
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0879	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	148.05	3.59
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0880	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	183.03	3.67
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0881	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	217.78	3.76
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0882	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	233.47	3.85
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0883	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	245.96	3.95
		For Work In Restricted Working Space, Add	*3.96*	
23 05 29 00-0884	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	255.20	4.06
		For Work In Restricted Working Space, Add	*4.05*	
23 05 29 00-0885		Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0764)*		
23 05 29 00-0886	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	93.65	9.56
23 05 29 00-0887	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	98.13	11.09
23 05 29 00-0888	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	120.00	12.62
23 05 29 00-0889	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	124.46	13.76
23 05 29 00-0890	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	138.06	15.30
23 05 29 00-0891	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	154.51	19.13
23 05 29 00-0892	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	201.37	25.62
23 05 29 00-0893	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	239.32	38.24
23 05 29 00-0894		Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0764)*		
23 05 29 00-0895	EA	2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	119.12	9.56
23 05 29 00-0896	EA	3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	121.85	11.09
23 05 29 00-0897	EA	3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	130.35	11.86
23 05 29 00-0898	EA	4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	132.13	12.62
23 05 29 00-0899	EA	5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	138.41	13.76
23 05 29 00-0900	EA	6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	145.74	15.30
23 05 29 00-0901	EA	8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	185.50	19.13
23 05 29 00-0902	EA	10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	250.68	25.62
23 05 29 00-0903	EA	12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	320.95	38.24
23 05 29 00-0904		Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0764)*		
23 05 29 00-0905	EA	2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	54.57	9.56
23 05 29 00-0906	EA	3" Pipe Saddle Support (Cooper B-Line B3095)	57.30	11.09
23 05 29 00-0907	EA	3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	92.92	11.86
23 05 29 00-0908	EA	4" Pipe Saddle Support (Cooper B-Line B3095)	94.70	12.62
23 05 29 00-0909	EA	5" Pipe Saddle Support (Cooper B-Line B3095)	104.47	13.76
23 05 29 00-0910	EA	6" Pipe Saddle Support (Cooper B-Line B3095)	115.75	15.30
23 05 29 00-0911	EA	8" Pipe Saddle Support (Cooper B-Line B3095)	130.54	19.13
23 05 29 00-0912	EA	10" Pipe Saddle Support (Cooper B-Line B3095)	147.78	25.62
23 05 29 00-0913	EA	12" Pipe Saddle Support (Cooper B-Line B3095)	178.13	38.24
23 05 29 00-0914		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0764)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0915		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-0916	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.47	4.63
23 05 29 00-0917	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.82	4.63

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0918	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.91	4.63
23 05 29 00-0919	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.25	4.63
23 05 29 00-0920	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.10	4.92
23 05 29 00-0921	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.76	5.06
23 05 29 00-0922	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.53	5.27
23 05 29 00-0923	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.40	5.48
23 05 29 00-0924	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.14	5.69
23 05 29 00-0925	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.02	4.92
23 05 29 00-0926	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.58	6.41
23 05 29 00-0927	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.59	7.55
23 05 29 00-0928	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.74	8.76
23 05 29 00-0929	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.47	9.04
23 05 29 00-0930		**1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0914)*		
23 05 29 00-0931	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.54	3.49
23 05 29 00-0932	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.24	3.49
23 05 29 00-0933	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.56	3.56
23 05 29 00-0934	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.10	3.63
23 05 29 00-0935	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.60	3.63
23 05 29 00-0936	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.45	3.78
23 05 29 00-0937	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.37	3.92
23 05 29 00-0938	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.82	3.99
23 05 29 00-0939	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.57	4.34
23 05 29 00-0940	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.51	7.48
23 05 29 00-0941	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.07	5.62
23 05 29 00-0942	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.40	6.62
23 05 29 00-0943	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.20	7.62
23 05 29 00-0944	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.97	9.19
23 05 29 00-0945		**2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0914)*		
23 05 29 00-0946	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.01	3.99
23 05 29 00-0947	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.29	3.99
23 05 29 00-0948	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.97	4.06
23 05 29 00-0949	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.57	4.13
23 05 29 00-0950	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.19	4.20
23 05 29 00-0951	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.90	4.34
23 05 29 00-0952	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.03	4.48
23 05 29 00-0953	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.09	4.63
23 05 29 00-0954	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.54	4.92
23 05 29 00-0955	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.99	5.55
23 05 29 00-0956	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.58	9.47
23 05 29 00-0957	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.50	10.96
23 05 29 00-0958	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.71	12.96
23 05 29 00-0959	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.71	14.53
23 05 29 00-0960	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	62.00	16.38
23 05 29 00-0961	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.33	19.23
23 05 29 00-0962	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.06	21.36
23 05 29 00-0963	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	88.07	24.22
23 05 29 00-0964		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0914)*		
23 05 29 00-0965	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.29	4.63
23 05 29 00-0966	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.60	4.63
23 05 29 00-0967	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.41	4.70
23 05 29 00-0968	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.05	4.77
23 05 29 00-0969	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.71	4.77
23 05 29 00-0970	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.57	4.99
23 05 29 00-0971	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.87	5.13
23 05 29 00-0972	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.03	5.34
23 05 29 00-0973	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.80	5.62
23 05 29 00-0974	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.78	6.41
23 05 29 00-0975	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.25	7.12
23 05 29 00-0976	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.71	8.19
23 05 29 00-0977	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.92	10.19
23 05 29 00-0978	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.69	11.18
23 05 29 00-0979	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.20	14.24
23 05 29 00-0980	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.17	14.96
23 05 29 00-0981	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	92.02	17.09
23 05 29 00-0982	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	107.79	20.65
23 05 29 00-0983		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0914)*		
23 05 29 00-0984	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.86	4.77
23 05 29 00-0985	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.31	4.99
23 05 29 00-0986	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.65	4.99
23 05 29 00-0987	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.51	5.13
23 05 29 00-0988	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.53	5.27
23 05 29 00-0989	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.67	5.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0990	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.70	5.48
23 05 29 00-0991	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.48	5.83
23 05 29 00-0992	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.81	6.06
23 05 29 00-0993	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.55	7.41
23 05 29 00-0994	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.16	8.12
23 05 29 00-0995	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	82.25	8.55
23 05 29 00-0996	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	94.46	11.03
23 05 29 00-0997	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	106.33	11.75
23 05 29 00-0998	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	127.44	15.67
23 05 29 00-0999	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	137.17	17.09
23 05 29 00-1000	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	155.33	18.51
23 05 29 00-1001	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	182.51	22.79
23 05 29 00-1002		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-1003	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.29	4.63
23 05 29 00-1004	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.06	5.62
23 05 29 00-1005	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.33	5.62
23 05 29 00-1006	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.05	5.69
23 05 29 00-1007	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.90	5.76
23 05 29 00-1008	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.85	5.99
23 05 29 00-1009	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.42	6.20
23 05 29 00-1010	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.71	6.41
23 05 29 00-1011	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.18	6.76
23 05 29 00-1012	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.92	7.69
23 05 29 00-1013	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.68	8.55
23 05 29 00-1014	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.84	9.83
23 05 29 00-1015	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.29	12.24
23 05 29 00-1016	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.64	13.39
23 05 29 00-1017	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	90.26	17.09
23 05 29 00-1018	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	97.40	17.95
23 05 29 00-1019	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	110.47	20.51
23 05 29 00-1020	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	129.35	24.78
23 05 29 00-1021		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0914)*		
23 05 29 00-1022	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.66	6.27
23 05 29 00-1023	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.09	6.27
23 05 29 00-1024	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.19	6.34
23 05 29 00-1025	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.12	6.41
23 05 29 00-1026	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.89	6.41
23 05 29 00-1027	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.36	6.83
23 05 29 00-1028	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.83	6.90
23 05 29 00-1029	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.45	7.20
23 05 29 00-1030	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.19	7.62
23 05 29 00-1031	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.53	8.62
23 05 29 00-1032	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.47	9.33
23 05 29 00-1033	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.45	11.11
23 05 29 00-1034	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.84	13.82
23 05 29 00-1035	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.35	15.03
23 05 29 00-1036	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	101.58	19.23
23 05 29 00-1037	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	109.54	20.16
23 05 29 00-1038	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	122.47	23.08
23 05 29 00-1039	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	145.55	27.92
23 05 29 00-1040	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	164.46	32.83
23 05 29 00-1041	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	185.14	38.74
23 05 29 00-1042	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	206.68	45.79
23 05 29 00-1043	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	287.97	70.71
23 05 29 00-1044	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	307.77	77.84
23 05 29 00-1045	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	326.29	84.04
23 05 29 00-1046		Equipment Housekeeping Pads *(23 05 29)*		
23 05 29 00-1047		Molded Plastic Condenser Pad *(23 05 29 00-1046)*		
23 05 29 00-1048	EA	30" Round Molded Plastic Pad	63.65	9.56
23 05 29 00-1049	EA	30" Octagon Molded Plastic Pad	66.58	9.56
23 05 29 00-1050	EA	30" x 30" Molded Plastic Pad	63.65	9.56
23 05 29 00-1051	EA	36" x 36" Molded Plastic Pad	81.20	9.56
23 05 29 00-1052	EA	36" x 48" Molded Plastic Pad	114.03	9.56
23 05 29 00-1053		Inertia Base *(23 05 29 00-1046)* Note: Includes spring isolators.		
23 05 29 00-1054	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	1,070.44	
23 05 29 00-1055	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	1,292.36	
23 05 29 00-1056	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,480.23	
23 05 29 00-1057	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,690.81	
23 05 29 00-1058		Hanger Assemblies *(23 05 29)* Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1059	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	35.64	11.90
		For Work In Restricted Working Space, Add	*7.66*	
23 05 29 00-1060	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	37.05	12.60
		For Work In Restricted Working Space, Add	*8.08*	
23 05 29 00-1061	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	38.26	13.36
		For Work In Restricted Working Space, Add	*8.42*	
23 05 29 00-1062	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	39.00	13.38
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-1063	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	39.28	13.38
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-1064	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	40.28	13.48
		For Work In Restricted Working Space, Add	*8.66*	
23 05 29 00-1065	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	48.73	14.71
		For Work In Restricted Working Space, Add	*8.99*	
23 05 29 00-1066	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	50.66	15.14
		For Work In Restricted Working Space, Add	*9.13*	
23 05 29 00-1067	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	62.32	17.08
		For Work In Restricted Working Space, Add	*10.08*	
23 05 29 00-1068	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	94.13	22.07
		For Work In Restricted Working Space, Add	*13.25*	
23 05 29 00-1069	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	110.80	25.62
		For Work In Restricted Working Space, Add	*15.37*	
23 05 29 00-1070	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	153.28	32.53
		For Work In Restricted Working Space, Add	*19.28*	
23 05 29 00-1071	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	170.38	35.00
		For Work In Restricted Working Space, Add	*21.04*	

23 05 29 00-1072 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1073 Angle Iron For Hanger Devices *(23 05 29 00-1072)*

23 05 29 00-1074	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	1.93	1.11
23 05 29 00-1075	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	2.56	1.39
23 05 29 00-1076	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	3.16	1.66
23 05 29 00-1077	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	4.51	2.07
23 05 29 00-1078	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	5.08	2.22
23 05 29 00-1079	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	7.11	2.49
23 05 29 00-1080	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	8.88	3.03
23 05 29 00-1081	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	11.72	3.57
23 05 29 00-1082	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	14.06	4.16

23 05 29 00-1083 Channels For Hanger Devices *(23 05 29 00-1072)*

23 05 29 00-1084	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	5.98	2.93
23 05 29 00-1085	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	10.46	4.21
23 05 29 00-1086	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	13.12	5.05
23 05 29 00-1087	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	15.78	5.89
23 05 29 00-1088	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	19.13	7.06
23 05 29 00-1089	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	22.81	8.41
23 05 29 00-1090	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	25.95	9.26

23 05 29 00-1091 Structural Bar Tees For Hanger Devices *(23 05 29 00-1072)*

23 05 29 00-1092	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	6.37	4.11
23 05 29 00-1093	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	7.65	4.86
23 05 29 00-1094	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	11.35	5.61
23 05 29 00-1095	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	14.64	7.48
23 05 29 00-1096	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	20.39	8.97
23 05 29 00-1097	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	25.52	11.59

23 05 29 00-1098 Structural Zees For Hanger Devices *(23 05 29 00-1072)*

23 05 29 00-1099	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	11.36	5.61
23 05 29 00-1100	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	14.02	5.61
23 05 29 00-1101	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	20.77	5.61
23 05 29 00-1102	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	26.53	5.61
23 05 29 00-1103	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	32.69	5.61

23 05 29 00-1104 Junior I-beams For Hanger Devices *(23 05 29 00-1072)*

23 05 29 00-1105	LF	3" I-beam (Junior) For Hanger Devices	13.84	8.23
23 05 29 00-1106	LF	4" I-beam (Junior) For Hanger Devices	16.03	8.97
23 05 29 00-1107	LF	5" I-beam (Junior) For Hanger Devices	18.69	9.72
23 05 29 00-1108	LF	6" I-beam (Junior) For Hanger Devices	20.46	10.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1109	LF	7" I-beam (Junior) For Hanger Devices	24.68	11.59
23 05 29 00-1110	LF	8" I-beam (Junior) For Hanger Devices	26.76	12.34

23 05 33 Heat Tracing For HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator	77.52	21.40
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator	83.13	21.40
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator	101.75	21.40

23 05 48 13-0005 Vibration Isolators *(23 05 48 13)*

23 05 48 13-0006 Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0005)*

23 05 48 13-0007	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	109.91	13.76
23 05 48 13-0008	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	238.29	15.30

23 05 48 13-0009 Rubber-In-Shear Isolator Hanger *(23 05 48 13-0005)*

23 05 48 13-0010	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	59.08	11.48
23 05 48 13-0011	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	77.18	13.76

23 05 48 13-0012 Spring Hanger For 1" Deflection *(23 05 48 13-0005)*

23 05 48 13-0013	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	66.64	13.76

23 05 48 13-0014 Rubber-In-Shear Vibration Isolator *(23 05 48 13-0005)*

23 05 48 13-0015	EA	45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	122.45	26.01
23 05 48 13-0016	EA	130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	172.11	26.01
23 05 48 13-0017	EA	550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	342.57	26.01

23 05 48 13-0018 Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0005)*

Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.

23 05 48 13-0019	EA	50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	101.51	26.01
23 05 48 13-0020	EA	>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	105.22	26.01

23 05 48 13-0021 Open Double Spring Type Vibration Isolator *(23 05 48 13-0005)*

Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.

23 05 48 13-0022	EA	150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	82.83	13.00
23 05 48 13-0023	EA	500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	82.83	13.00
23 05 48 13-0024	EA	1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	95.17	13.00
23 05 48 13-0025	EA	1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	95.17	13.00
23 05 48 13-0026	EA	2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	150.97	13.00

23 05 48 13-0027 Isolation Pads *(23 05 48 13-0005)*

23 05 48 13-0028 Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0027)*

23 05 48 13-0029	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	4.72	1.91
23 05 48 13-0030	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	6.12	1.99
23 05 48 13-0031	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.75	2.07
23 05 48 13-0032	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	31.74	2.37
23 05 48 13-0033	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	61.11	2.68

23 05 48 13-0034 Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0027)*

23 05 48 13-0035	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	52.17	1.91
23 05 48 13-0036	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	57.51	1.91

23 05 48 13-0037 Neoprene Isolation Pad *(23 05 48 13-0027)*

23 05 48 13-0038	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	4.38	1.91
23 05 48 13-0039	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	5.02	1.91
23 05 48 13-0040	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	6.06	1.91
23 05 48 13-0041	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	31.22	2.30
23 05 48 13-0042	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	57.39	2.68

23 05 48 13-0043 Threaded Flexible Bronze Hose Connectors *(23 05 48 13)*

Note: Includes hex threaded nipple ends.

23 05 48 13-0044	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	56.55	12.23
23 05 48 13-0045	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	65.12	16.83

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CSI MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0046	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	80.10	20.65
23 05 48 13-0047	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	92.96	24.48
23 05 48 13-0048	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	106.31	32.12
23 05 48 13-0049	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	119.51	34.19
23 05 48 13-0050	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	161.06	40.54
23 05 48 13-0051	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	224.65	63.18

23 05 48 13-0052 Flanged Flexible Hose Connectors *(23 05 48 13)*

23 05 48 13-0053 Flanged Flexible Molded Rubber Hose Connectors *(23 05 48 13-0052)*

Note: With helical wire reinforcement 150 PSI.

23 05 48 13-0054	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	171.11	57.37
23 05 48 13-0055	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	184.59	63.71
23 05 48 13-0056	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	292.04	127.27
23 05 48 13-0057	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	399.38	189.30
23 05 48 13-0058	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	521.80	244.37
23 05 48 13-0059	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	694.52	262.67
23 05 48 13-0060	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	849.91	300.01
23 05 48 13-0061	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,110.06	357.02
23 05 48 13-0062	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	2,575.79	446.54

23 05 48 13-0063 Flanged Flexible Corrugated Stainless Steel Hose Connectors *(23 05 48 13-0052)*

Note: With braided metal wire.

23 05 48 13-0064	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	130.62	52.17
23 05 48 13-0065	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	119.52	71.74
23 05 48 13-0066	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	244.35	95.61
23 05 48 13-0067	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	310.37	143.41
23 05 48 13-0068	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	332.55	157.79
23 05 48 13-0069	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	383.82	191.06
23 05 48 13-0070	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	491.36	244.60
23 05 48 13-0071	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	928.02	337.45
23 05 48 13-0072	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,058.72	395.58
23 05 48 13-0073	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	700.46	314.58
23 05 48 13-0074	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,346.40	394.01
23 05 48 13-0075	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,176.14	420.27
23 05 48 13-0076	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,386.85	485.98
23 05 48 13-0077	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,813.98	525.35

23 05 48 13-0078 Flanged Flexible Molded Teflon Hose Connectors *(23 05 48 13-0052)*

Note: 150 PSI.

23 05 48 13-0079	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	796.71	110.90
23 05 48 13-0080	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	891.81	130.03
23 05 48 13-0081	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,344.60	218.53
23 05 48 13-0082	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,643.35	262.67
23 05 48 13-0083	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,173.68	322.21

23 05 48 13-0084 Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*

23 05 48 13-0085 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0084)*

Note: MPT connection.

23 05 48 13-0086	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	32.09	1.53
23 05 48 13-0087	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	38.53	1.53
23 05 48 13-0088	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	42.68	1.98
23 05 48 13-0089	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	52.17	1.98
23 05 48 13-0090	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	43.07	1.83
23 05 48 13-0091	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	52.27	1.83
23 05 48 13-0092	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.61	2.37
23 05 48 13-0093	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.92	2.37
23 05 48 13-0094	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.96	2.15
23 05 48 13-0095	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.60	2.15
23 05 48 13-0096	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	76.59	2.83
23 05 48 13-0097	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.53	2.83
23 05 48 13-0098	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	118.30	2.83
23 05 48 13-0099	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	139.15	2.83
23 05 48 13-0100	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	84.19	2.75
23 05 48 13-0101	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	92.98	2.75
23 05 48 13-0102	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	119.76	2.75
23 05 48 13-0103	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	166.61	3.66
23 05 48 13-0104	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	193.60	3.66
23 05 48 13-0105	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	229.51	3.66
23 05 48 13-0106	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	115.52	3.32
23 05 48 13-0107	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	133.89	3.32
23 05 48 13-0108	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	169.46	3.32
23 05 48 13-0109	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	226.02	4.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0110	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	280.23	4.43
23 05 48 13-0111	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	334.39	4.43
23 05 48 13-0112	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	160.81	4.15
23 05 48 13-0113	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	183.43	3.94
23 05 48 13-0114	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	206.28	3.94
23 05 48 13-0115	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	254.14	5.28
23 05 48 13-0116	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	300.09	5.28
23 05 48 13-0117	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	344.60	5.28
23 05 48 13-0118	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	254.16	5.28
23 05 48 13-0119	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	284.68	5.28
23 05 48 13-0120	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	404.87	5.28
23 05 48 13-0121	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	487.98	7.04
23 05 48 13-0122	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	441.55	7.04
23 05 48 13-0123	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	501.61	7.04
23 05 48 13-0124	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	467.51	6.30
23 05 48 13-0125	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	503.17	6.30
23 05 48 13-0126	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	538.84	6.30
23 05 48 13-0127	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	615.40	8.40
23 05 48 13-0128	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	686.45	8.40
23 05 48 13-0129	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	759.03	8.40

23 05 48 13-0130 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0084)*

Note: Over braided carbon steel connection.

23 05 48 13-0131	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	137.99	3.36
23 05 48 13-0132	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	167.17	3.36
23 05 48 13-0133	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	195.80	3.36
23 05 48 13-0134	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	256.23	4.50
23 05 48 13-0135	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	314.27	4.50
23 05 48 13-0136	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	372.23	4.50
23 05 48 13-0137	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	156.35	3.94
23 05 48 13-0138	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	186.85	3.94
23 05 48 13-0139	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	217.48	3.94
23 05 48 13-0140	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	281.65	5.28
23 05 48 13-0141	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	342.67	5.28
23 05 48 13-0142	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	402.84	5.28
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	165.24	5.28
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	200.18	5.42
23 05 48 13-0145	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	235.61	5.28
23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	312.01	7.04
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	382.49	7.04
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	454.97	7.04
23 05 48 13-0149	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	333.37	10.28
23 05 48 13-0150	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	494.93	10.35
23 05 48 13-0151	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	663.89	13.64
23 05 48 13-0152	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	825.51	13.64
23 05 48 13-0153	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	987.10	13.64
23 05 48 13-0154	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	582.01	12.75
23 05 48 13-0155	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	704.24	12.75
23 05 48 13-0156	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	955.17	16.58
23 05 48 13-0157	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,197.66	16.58
23 05 48 13-0158	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,440.08	16.58
23 05 48 13-0159	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	622.21	15.95
23 05 48 13-0160	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	927.81	15.95
23 05 48 13-0161	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,243.06	20.77
23 05 48 13-0162	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,549.72	20.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0163	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,855.09	20.77
23 05 48 13-0164	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,241.23	19.27
23 05 48 13-0165	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,622.61	19.27
23 05 48 13-0166	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,028.98	25.94
23 05 48 13-0167	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,413.71	25.94
23 05 48 13-0168	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,800.23	25.94

23 05 48 13-0169 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0084)*

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0170	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	180.89	3.32
23 05 48 13-0171	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	365.85	93.89
23 05 48 13-0172	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	440.95	93.89
23 05 48 13-0173	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	516.06	93.89
23 05 48 13-0174	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	591.19	93.89
23 05 48 13-0175	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	346.50	119.74
23 05 48 13-0176	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	425.64	119.74
23 05 48 13-0177	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	504.82	119.74
23 05 48 13-0178	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	584.02	119.74
23 05 48 13-0179	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	661.84	119.74
23 05 48 13-0180	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	493.80	200.74
23 05 48 13-0181	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	586.18	201.24
23 05 48 13-0182	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	680.06	200.74
23 05 48 13-0183	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	785.02	200.74
23 05 48 13-0184	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	865.23	200.74
23 05 48 13-0185	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	748.21	257.13
23 05 48 13-0186	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	957.52	257.13
23 05 48 13-0187	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,166.95	258.06
23 05 48 13-0188	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,376.29	257.13
23 05 48 13-0189	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,585.60	257.13
23 05 48 13-0190	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,213.43	326.03
23 05 48 13-0191	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,371.78	326.03
23 05 48 13-0192	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,685.73	326.03
23 05 48 13-0193	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,999.80	326.03
23 05 48 13-0194	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,313.73	326.03
23 05 48 13-0195	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,936.94	396.90
23 05 48 13-0196	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,331.45	396.90
23 05 48 13-0197	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,728.61	396.90
23 05 48 13-0198	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,124.93	396.90
23 05 48 13-0199	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,445.22	396.90
23 05 48 13-0200	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,608.40	481.95
23 05 48 13-0201	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,109.03	481.95
23 05 48 13-0202	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,609.62	481.95
23 05 48 13-0203	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,110.22	481.95
23 05 48 13-0204	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,610.85	481.95

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 53 Identification For HVAC Piping And Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	10.22
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	10.41
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	10.51
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	10.69
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	12.03
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	12.38
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	18.11
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	18.38
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	18.67
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	18.84
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	19.00
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	19.16
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	19.99
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	20.17
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	24.12
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	25.18
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	29.19
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	33.41

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	8.76
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	9.14
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	9.90
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.06
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.74
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.97
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.36
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.66
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.89
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.13
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.60
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.11
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.57
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.02
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.55
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.39
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.31

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	7.72
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	7.29
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	7.15

23 05 66 Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	485.90	53.34
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	507.36	55.98
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	509.80	58.39
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	533.59	61.34
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	576.46	63.98
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	659.09	65.98

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	422.09	36.95
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	429.52	39.98
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	437.14	42.39
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	437.40	45.59
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	455.13	47.98
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	465.80	50.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	476.54	53.58
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	494.31	36.95
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	501.75	39.98
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	509.36	42.39
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	509.62	45.59
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	527.35	47.98
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	538.03	50.39
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	548.76	53.58
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	344.59	39.98
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	352.21	42.39
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	352.47	45.59
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	370.20	47.98
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	380.87	50.39
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	391.61	53.58

23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	306.37	51.19
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	313.74	53.58
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	321.10	55.98
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	330.65	58.39
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	342.70	61.34
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	353.44	63.98

23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts *(23 05 66)*

23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	80.97	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	85.07	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	96.16	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	110.38	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	124.90	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	152.86	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	78.56	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	82.79	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	87.21	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	84.27	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	98.80	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	106.27	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	113.81	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	232.18	

23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 05 66)*

23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	413.49	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	526.63	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	242.93	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	256.78	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	326.18	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	204.56	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	221.60	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	290.04	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	286.11	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	10.80	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	36.59	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	12.74	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	12.06	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	33.78	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	39.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	35.14	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	28.59	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	27.03	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	14.80	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	30.34	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	14.86	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	58.00	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	60.93	

23 05 93 Testing, Adjusting, And Balancing For HVAC *(23 05)*

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	297.02	
		For Testing Of Unit Without Balancing, Deduct	*-148.51*	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	371.12	
		For Testing Of Unit Without Balancing, Deduct	*-185.56*	
23 05 93 00-0004	EA	Balancing In Line Fan	334.15	
		For Testing Of Unit Without Balancing, Deduct	*-167.08*	
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	74.26	
		For Testing Of Unit Without Balancing, Deduct	*-37.13*	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	222.75	
		For Testing Of Unit Without Balancing, Deduct	*-111.38*	
23 05 93 00-0007	EA	Balancing Wall Fan	55.68	
		For Testing Of Unit Without Balancing, Deduct	*-27.84*	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	296.55	
		For Testing Of Unit Without Balancing, Deduct	*-148.28*	

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	563.81	
		For Testing Of Unit Without Balancing, Deduct	*-281.91*	
23 05 93 00-0011	EA	Balancing Package A/C Unit	211.43	
		For Testing Of Unit Without Balancing, Deduct	*-105.72*	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	281.90	
		For Testing Of Unit Without Balancing, Deduct	*-140.95*	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	986.67	
		For Testing Of Unit Without Balancing, Deduct	*-493.34*	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	55.69	
		For Testing Of Unit Without Balancing, Deduct	*-27.85*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	92.82	
		For Testing Of Unit Without Balancing, Deduct	*-46.41*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	48.27	
		For Testing Of Unit Without Balancing, Deduct	*-24.14*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	52.30	
		For Testing Of Unit Without Balancing, Deduct	*-26.15*	
23 05 93 00-0019	EA	Balance Constant Volume Box	52.30	
		For Testing Of Unit Without Balancing, Deduct	*-26.15*	
23 05 93 00-0020	EA	Balance Fan Powered Box	59.41	
		For Testing Of Unit Without Balancing, Deduct	*-29.71*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	241.34	
		For Testing Of Unit Without Balancing, Deduct	*-120.67*	
23 05 93 00-0022	EA	Balance General Hood	185.64	
		For Testing Of Unit Without Balancing, Deduct	*-92.82*	
23 05 93 00-0023	EA	Balance Induction Unit	111.38	
		For Testing Of Unit Without Balancing, Deduct	*-55.69*	
23 05 93 00-0024	EA	Balance Moduline - Master	44.54	
		For Testing Of Unit Without Balancing, Deduct	*-22.27*	
23 05 93 00-0025	EA	Balance Moduline - Slave	22.27	
		For Testing Of Unit Without Balancing, Deduct	*-11.14*	
23 05 93 00-0026	EA	Balance Dampers	20.68	
		For Testing Of Unit Without Balancing, Deduct	*-10.34*	
23 05 93 00-0027	EA	Balance Regenerators	296.55	
		For Testing Of Unit Without Balancing, Deduct	*-148.28*	

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	387.65	
		For Testing Of Unit Without Balancing, Deduct	*-193.83*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	49.34	
		For Testing Of Unit Without Balancing, Deduct	*-24.67*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	422.82	
		For Testing Of Unit Without Balancing, Deduct	*-211.41*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	563.81	
		For Testing Of Unit Without Balancing, Deduct	*-281.91*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	281.90	
		For Testing Of Unit Without Balancing, Deduct	*-140.95*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	70.52	
		For Testing Of Unit Without Balancing, Deduct	*-35.26*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	70.48	
		For Testing Of Unit Without Balancing, Deduct	*-35.24*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	77.53	
		For Testing Of Unit Without Balancing, Deduct	*-38.77*	
23 05 93 00-0037	EA	Water Balance, Pumps	211.44	
		For Testing Of Unit Without Balancing, Deduct	*-105.72*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	49.34	
		For Testing Of Unit Without Balancing, Deduct	*-24.67*	
23 05 93 00-0039	EA	Water Balancing, Converter	211.51	
		For Testing Of Unit Without Balancing, Deduct	*-105.76*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	35.23	
		For Testing Of Unit Without Balancing, Deduct	*-17.62*	
23 05 93 00-0041	EA	Water Balance, Convector	42.28	
		For Testing Of Unit Without Balancing, Deduct	*-21.14*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	52.86	
		For Testing Of Unit Without Balancing, Deduct	*-26.43*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	458.09	
		For Testing Of Unit Without Balancing, Deduct	*-229.05*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	845.72	
		For Testing Of Unit Without Balancing, Deduct	*-422.86*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	1,550.49	
		For Testing Of Unit Without Balancing, Deduct	*-775.25*	

23 05 93 00-0046 Non Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge *(23 05 93 00-0047)*

23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	614.41

23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing *(23 05 93 00-0047)*

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	58.55
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non Destructive Testing	66.60
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	74.67
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non Destructive Testing	78.92
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non Destructive Testing	83.16
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non Destructive Testing	87.82
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non Destructive Testing	96.30
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non Destructive Testing	104.79
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non Destructive Testing	109.44
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non Destructive Testing	114.10

23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing *(23 05 93 00-0061)*

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	72.89
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	76.72
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	80.54
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	82.45
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	85.32
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	88.19
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	93.93
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	99.66
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	105.40
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	111.13

23 05 93 00-0073 Hydrostatic Testing *(23 05 93 00-0046)*

Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing *(23 05 93 00-0073)*

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	503.19
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	718.84
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	861.31
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,147.27
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,738.29
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	669.04
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	956.06
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,138.16
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	1,491.44
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,256.29
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	871.93
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,242.88
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,355.40
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	1,775.67
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	2,686.26
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,131.97
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	1,613.81
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	1,762.36
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	2,311.52
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	3,502.31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0095		**Pneumatic Testing** *(23 05 93 00-0046)* Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		**Piping, Pneumatic Testing** *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	572.41	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	816.70	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	882.86	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,131.07	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,769.52	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	746.90	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,060.49	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,147.61	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,470.65	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,299.96	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	899.99	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,269.99	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,484.32	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,896.92	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,970.81	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,171.90	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,651.13	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,930.23	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,466.56	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,868.46	
23 05 93 00-0117		**EPA Testing Of Sludge** *(23 05 93)*		
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	610.02	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	62.61	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	935.87	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	710.26	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.16	1.42
		For Plain Blanket, With No Facing, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*0.57*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.54	1.42
		For Plain Blanket, With No Facing, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*0.67*	
23 07 13 00-0005	SF	2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.88	2.14
		For Plain Blanket, With No Facing, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*0.76*	
23 07 13 00-0006	SF	3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.39	2.49
		For Plain Blanket, With No Facing, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*0.89*	
23 07 13 00-0007	SF	4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.86	2.71
		For Plain Blanket, With No Facing, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*0.96*	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.69	2.14
		For Plain Blanket, With No Facing, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*0.71*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.12	2.49
		For Plain Blanket, With No Facing, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0011	SF	2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation	3.68	2.85
		For Plain Blanket, With No Facing, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.97*	

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.39	2.85
		For Plain Blanket, With No Facing, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*0.86*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.19	3.20
		For Plain Blanket, With No Facing, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*0.98*	
23 07 13 00-0015	SF	2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.89	3.56
		For Plain Blanket, With No Facing, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*1.14*	

23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017	SF	1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	7.07	3.65
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*15.71*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*11.82*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*9.70*	
		For Work In Restricted Working Space, Add	*1.90*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	9.42	4.44
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*19.67*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*15.19*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*12.36*	
		For Work In Restricted Working Space, Add	*2.31*	
23 07 13 00-0019	SF	2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	11.99	5.35
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*24.17*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*18.95*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*15.35*	
		For Work In Restricted Working Space, Add	*2.78*	

23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.

23 07 13 00-0021	SF	1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	8.04	4.01
		For Work In Restricted Working Space, Add	*2.09*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	10.93	4.88
		For Work In Restricted Working Space, Add	*2.54*	
23 07 13 00-0023	SF	2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	14.52	5.89
		For Work In Restricted Working Space, Add	*3.07*	

23 07 13 00-0024 Sheet Flexible Elastomeric Insulation *(23 07 13)*

23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	7.14	1.92
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	7.65	2.03
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	10.34	2.14
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	12.05	2.25
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	17.07	2.46
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	20.32	2.67

23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	11.05	2.03
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	12.22	2.14
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.68	2.25
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.97	2.46
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	26.17	2.67

23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.48	2.03
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.64	2.14
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.54	2.25
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	24.79	2.46

23 07 16 HVAC Equipment Insulation *(23 07)*

23 07 16 00-0001 Calcium Silicate Block Insulation *(23 07 16)*

23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	12.67	4.38
		For Work In Restricted Working Space, Add	*2.63*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	15.72	4.93
		For Work In Restricted Working Space, Add	*2.96*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	19.23	5.68
		For Work In Restricted Working Space, Add	*3.42*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	23.14	6.67
		For Work In Restricted Working Space, Add	*4.01*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 16 00-0006		SF	3" Thick, Calcium Silicate Block Insulation	28.16	8.21
			For Work In Restricted Working Space, Add	*4.93*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF		1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.52	2.34
			For Work In Restricted Working Space, Add	*1.76*	
23 07 19 00-0004	LF		3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.52	2.34
			For Work In Restricted Working Space, Add	*1.76*	
23 07 19 00-0005	LF		1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.45	2.38
			For Work In Restricted Working Space, Add	*1.78*	
23 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.60	2.41
			For Work In Restricted Working Space, Add	*1.81*	
23 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.72	2.44
			For Work In Restricted Working Space, Add	*1.83*	
23 07 19 00-0008	LF		2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.44	2.51
			For Work In Restricted Working Space, Add	*1.88*	
23 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.92	2.61
			For Work In Restricted Working Space, Add	*1.96*	
23 07 19 00-0010	LF		3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.42	2.68
			For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0011	LF		4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.12	2.88
			For Work In Restricted Working Space, Add	*2.16*	
23 07 19 00-0012	LF		6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.59	3.25
			For Work In Restricted Working Space, Add	*2.44*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF		1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	9.97	2.44
			For Work In Restricted Working Space, Add	*1.83*	
23 07 19 00-0015	LF		3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	10.04	2.44
			For Work In Restricted Working Space, Add	*1.83*	
23 07 19 00-0016	LF		1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	10.76	2.58
			For Work In Restricted Working Space, Add	*1.94*	
23 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.21	2.63
			For Work In Restricted Working Space, Add	*1.97*	
23 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.68	2.68
			For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0019	LF		2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.55	2.83
			For Work In Restricted Working Space, Add	*2.12*	
23 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.18	2.87
			For Work In Restricted Working Space, Add	*2.16*	
23 07 19 00-0021	LF		3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.69	2.97
			For Work In Restricted Working Space, Add	*2.23*	
23 07 19 00-0022	LF		4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.28	3.21
			For Work In Restricted Working Space, Add	*2.41*	
23 07 19 00-0023	LF		6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.71	3.76
			For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0024	LF		8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.95	3.96
			For Work In Restricted Working Space, Add	*2.97*	
23 07 19 00-0025	LF		10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	26.48	4.75
			For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0026	LF		12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	31.15	5.52
			For Work In Restricted Working Space, Add	*4.14*	
23 07 19 00-0027	LF		14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	34.73	6.06
			For Work In Restricted Working Space, Add	*4.54*	
23 07 19 00-0028	LF		16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	41.21	7.71
			For Work In Restricted Working Space, Add	*5.78*	
23 07 19 00-0029	LF		18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	44.49	8.09
			For Work In Restricted Working Space, Add	*6.07*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF		1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	12.83	2.68
			For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0032	LF		3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	13.16	2.68
			For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0033	LF		1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	13.58	2.71
			For Work In Restricted Working Space, Add	*2.03*	
23 07 19 00-0034	LF		1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.15	2.75
			For Work In Restricted Working Space, Add	*2.06*	
23 07 19 00-0035	LF		1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.56	2.78
			For Work In Restricted Working Space, Add	*2.09*	
23 07 19 00-0036	LF		2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.20	2.88
			For Work In Restricted Working Space, Add	*2.16*	
23 07 19 00-0037	LF		2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.07	2.98
			For Work In Restricted Working Space, Add	*2.24*	
23 07 19 00-0038	LF		3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.36	3.08
			For Work In Restricted Working Space, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.29	3.26
		For Work In Restricted Working Space, Add	*2.44*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.68	3.91
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	26.88	4.12
		For Work In Restricted Working Space, Add	*3.09*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	33.15	4.94
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	37.89	5.91
		For Work In Restricted Working Space, Add	*4.43*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	46.03	8.24
		For Work In Restricted Working Space, Add	*6.18*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	48.63	8.24
		For Work In Restricted Working Space, Add	*6.18*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	52.21	8.66
		For Work In Restricted Working Space, Add	*6.49*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	62.37	9.90
		For Work In Restricted Working Space, Add	*7.42*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	72.48	11.95
		For Work In Restricted Working Space, Add	*8.96*	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.43	3.09
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.78	3.09
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.06	3.13
		For Work In Restricted Working Space, Add	*2.36*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.21	3.16
		For Work In Restricted Working Space, Add	*2.37*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.65	3.18
		For Work In Restricted Working Space, Add	*2.39*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	17.35	3.32
		For Work In Restricted Working Space, Add	*2.49*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.62	3.44
		For Work In Restricted Working Space, Add	*2.57*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.92	3.56
		For Work In Restricted Working Space, Add	*2.66*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.15	3.75
		For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	28.97	4.26
		For Work In Restricted Working Space, Add	*3.19*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	33.12	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	39.63	5.47
		For Work In Restricted Working Space, Add	*4.11*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	45.94	6.80
		For Work In Restricted Working Space, Add	*5.10*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	50.86	7.43
		For Work In Restricted Working Space, Add	*5.57*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	61.56	9.49
		For Work In Restricted Working Space, Add	*7.12*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	65.04	9.97
		For Work In Restricted Working Space, Add	*7.48*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	75.52	11.40
		For Work In Restricted Working Space, Add	*8.55*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	88.58	13.77
		For Work In Restricted Working Space, Add	*10.33*	

23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.65	3.42
		For Work In Restricted Working Space, Add	*2.57*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.73	3.42
		For Work In Restricted Working Space, Add	*2.57*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.90	3.46
		For Work In Restricted Working Space, Add	*2.59*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	20.12	3.48
		For Work In Restricted Working Space, Add	*2.61*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	20.30	3.52
		For Work In Restricted Working Space, Add	*2.64*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	21.00	3.65
		For Work In Restricted Working Space, Add	*2.74*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.40	3.77
		For Work In Restricted Working Space, Add	*2.83*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.85	3.91
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.30	4.12
		For Work In Restricted Working Space, Add	*3.09*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.65	4.69
		For Work In Restricted Working Space, Add	*3.51*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	39.18	5.22
		For Work In Restricted Working Space, Add	*3.92*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	46.61	6.03
		For Work In Restricted Working Space, Add	*4.52*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	53.61	7.49
		For Work In Restricted Working Space, Add	*5.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	59.57	8.17
		For Work In Restricted Working Space, Add	*6.13*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	69.36	10.44
		For Work In Restricted Working Space, Add	*7.83*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	74.91	10.96
		For Work In Restricted Working Space, Add	*8.23*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	87.83	12.54
		For Work In Restricted Working Space, Add	*9.41*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	103.76	15.15
		For Work In Restricted Working Space, Add	*11.36*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	25.29	3.75
		For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.30	3.75
		For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.36	3.77
		For Work In Restricted Working Space, Add	*2.83*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.42	3.80
		For Work In Restricted Working Space, Add	*2.85*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	27.28	3.84
		For Work In Restricted Working Space, Add	*2.88*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	28.99	3.97
		For Work In Restricted Working Space, Add	*2.98*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	31.56	4.11
		For Work In Restricted Working Space, Add	*3.08*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.68	4.26
		For Work In Restricted Working Space, Add	*3.20*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.37	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	41.67	5.11
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	50.94	5.69
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	62.06	6.57
		For Work In Restricted Working Space, Add	*4.93*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	75.04	8.16
		For Work In Restricted Working Space, Add	*6.13*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	78.93	8.92
		For Work In Restricted Working Space, Add	*6.69*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	91.63	11.40
		For Work In Restricted Working Space, Add	*8.55*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	105.71	11.96
		For Work In Restricted Working Space, Add	*8.97*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	113.76	13.69
		For Work In Restricted Working Space, Add	*10.26*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.79	4.16
		For Work In Restricted Working Space, Add	*3.12*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.82	4.16
		For Work In Restricted Working Space, Add	*3.12*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	32.00	4.23
		For Work In Restricted Working Space, Add	*3.17*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	32.91	4.28
		For Work In Restricted Working Space, Add	*3.21*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	34.91	4.41
		For Work In Restricted Working Space, Add	*3.32*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.61	4.56
		For Work In Restricted Working Space, Add	*3.42*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.03	4.63
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.14	4.80
		For Work In Restricted Working Space, Add	*3.59*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	45.74	5.06
		For Work In Restricted Working Space, Add	*3.80*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	52.95	5.74
		For Work In Restricted Working Space, Add	*4.31*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	63.26	6.40
		For Work In Restricted Working Space, Add	*4.80*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	72.83	7.40
		For Work In Restricted Working Space, Add	*5.55*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	82.63	9.19
		For Work In Restricted Working Space, Add	*6.89*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	87.77	10.04
		For Work In Restricted Working Space, Add	*7.53*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	103.55	12.83
		For Work In Restricted Working Space, Add	*9.62*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	110.21	13.44
		For Work In Restricted Working Space, Add	*10.09*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	121.76	15.39
		For Work In Restricted Working Space, Add	*11.54*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	3.57	
		For Work In Restricted Working Space, Add	*0.66*	

23 07 19 00-0125 Mineral Wool Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.

23 07 19 00-0126 1" Thick Mineral Wool Pipe Insulation *(23 07 19 00-0125)*

23 07 19 00-0127	LF	1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	9.00	2.14
		For Work In Restricted Working Space, Add	*1.76*	
23 07 19 00-0128	LF	3/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	9.12	2.14
		For Work In Restricted Working Space, Add	*1.76*	
23 07 19 00-0129	LF	1" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	9.33	2.14
		For Work In Restricted Working Space, Add	*1.78*	
23 07 19 00-0130	LF	1-1/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	9.50	2.21
		For Work In Restricted Working Space, Add	*1.81*	
23 07 19 00-0131	LF	1-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	9.73	2.21
		For Work In Restricted Working Space, Add	*1.83*	
23 07 19 00-0132	LF	2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	10.72	2.28
		For Work In Restricted Working Space, Add	*1.88*	
23 07 19 00-0133	LF	2-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	11.24	2.42
		For Work In Restricted Working Space, Add	*1.96*	
23 07 19 00-0134	LF	3" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	11.59	2.49
		For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0135	LF	4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	13.20	2.63
		For Work In Restricted Working Space, Add	*2.16*	
23 07 19 00-0136	LF	5" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	14.47	2.85
		For Work In Restricted Working Space, Add	*2.30*	
23 07 19 00-0137	LF	6" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering	15.37	3.06
		For Work In Restricted Working Space, Add	*2.44*	

23 07 19 00-0138 1-1/2" Thick Mineral Wool Pipe Insulation *(23 07 19 00-0125)*

23 07 19 00-0139	LF	1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	11.49	2.20
		For Work In Restricted Working Space, Add	*1.83*	
23 07 19 00-0140	LF	3/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	11.62	2.20
		For Work In Restricted Working Space, Add	*1.83*	
23 07 19 00-0141	LF	1" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	12.07	2.33
		For Work In Restricted Working Space, Add	*1.94*	
23 07 19 00-0142	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	12.30	2.38
		For Work In Restricted Working Space, Add	*1.97*	
23 07 19 00-0143	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	12.72	2.42
		For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0144	LF	2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	13.41	2.55
		For Work In Restricted Working Space, Add	*2.12*	
23 07 19 00-0145	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	14.13	2.59
		For Work In Restricted Working Space, Add	*2.16*	
23 07 19 00-0146	LF	3" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	14.66	2.68
		For Work In Restricted Working Space, Add	*2.23*	
23 07 19 00-0147	LF	4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	16.71	2.90
		For Work In Restricted Working Space, Add	*2.41*	
23 07 19 00-0148	LF	5" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	17.99	3.14
		For Work In Restricted Working Space, Add	*2.62*	
23 07 19 00-0149	LF	6" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	18.93	3.39
		For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0150	LF	8" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	22.42	3.58
		For Work In Restricted Working Space, Add	*2.97*	
23 07 19 00-0151	LF	10" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	27.69	4.28
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0152	LF	12" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	31.87	4.99
		For Work In Restricted Working Space, Add	*4.14*	

23 07 19 00-0153 2" Thick Mineral Wool Pipe Insulation *(23 07 19 00-0125)*

23 07 19 00-0154	LF	1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	13.67	2.42
		For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0155	LF	3/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	13.93	2.42
		For Work In Restricted Working Space, Add	*2.01*	
23 07 19 00-0156	LF	1" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	14.44	2.49
		For Work In Restricted Working Space, Add	*2.03*	
23 07 19 00-0157	LF	1-1/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	15.09	2.49
		For Work In Restricted Working Space, Add	*2.06*	
23 07 19 00-0158	LF	1-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	15.52	2.56
		For Work In Restricted Working Space, Add	*2.09*	
23 07 19 00-0159	LF	2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	16.19	2.63
		For Work In Restricted Working Space, Add	*2.16*	
23 07 19 00-0160	LF	2-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	17.63	2.71
		For Work In Restricted Working Space, Add	*2.24*	
23 07 19 00-0161	LF	3" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	18.58	2.85
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0162	LF	4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	20.80	2.99
		For Work In Restricted Working Space, Add	*2.44*	
23 07 19 00-0163	LF	5" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	23.00	3.26
		For Work In Restricted Working Space, Add	*2.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0164	LF	6" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	24.39	3.51
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0165	LF	8" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	28.04	3.71
		For Work In Restricted Working Space, Add	*3.09*	
23 07 19 00-0166	LF	10" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	34.02	4.43
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0167	LF	12" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	38.83	4.99
		For Work In Restricted Working Space, Add	*4.43*	

23 08 Commissioning Of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC *(23)*

23 09 23 Direct-Digital Control System For HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	472.69	9.86
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	488.60	13.30
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	534.66	16.10
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	583.22	20.39
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	664.32	23.53
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	750.72	27.81
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,403.75	55.62
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,521.43	65.09
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	2,053.03	95.61
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	3,020.05	138.17
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,345.16	152.97
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	508.22	14.80
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	523.53	19.95
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	567.00	24.15
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	628.26	30.59
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	807.27	35.30
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	895.33	41.72
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,580.70	83.44
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,737.06	97.64
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	2,527.72	143.41
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	3,666.42	207.25
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	4,075.96	229.45
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	103.27	9.86
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	120.66	13.30
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	152.47	16.10
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	124.42	14.80
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	143.59	19.95
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	180.15	24.15
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	176.37	9.86
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	207.97	13.30
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	235.90	16.10
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	307.30	20.39
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	316.19	23.53
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	404.31	27.81
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	871.39	55.62
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,023.23	65.09
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	211.73	14.80
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	242.89	19.95
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	314.61	24.15
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	448.92	30.59
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	471.14	35.30
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	627.90	41.72
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	500.97	50.99
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	524.59	55.62
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	695.25	65.09
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,054.66	109.26
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,180.40	138.17
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,295.35	152.97
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,145.61	174.83
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,859.62	214.16
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,773.51	259.58
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,292.18	305.94
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	7,046.71	336.54
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	8,564.39	373.86
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	938.19	76.48
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,109.87	83.44
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,373.97	97.64
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	1,735.24	163.89
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,645.14	207.25
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,763.43	229.45
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,763.44	262.26
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,323.75	321.24
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	7,687.26	389.38
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	12,102.28	458.91
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	13,499.60	504.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	20,931.41	560.79
23 09 23 11-0068		**Valve Actuators** *(23 09 23 11)*		
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	319.46	63.19
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	325.19	63.19
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	359.06	63.19
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	372.80	63.19
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	381.16	63.19
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	436.10	63.19
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	450.54	63.19
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	459.87	63.19
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	482.37	63.19
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	349.53	63.19
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	396.74	63.19
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	408.88	63.19
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	417.27	63.19
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	420.40	63.19
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	477.42	63.19
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	502.00	63.19
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	515.07	63.19
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	512.47	63.19
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	520.83	63.19
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	520.30	63.19
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	574.56	63.19
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	711.76	63.19
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	449.16	63.19
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	549.61	63.19
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,337.37	63.19
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,508.94	63.19
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	1,826.45	63.19
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,079.10	63.19
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	2,475.08	63.19
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	2,929.12	63.19
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	3,973.20	63.19
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	4,867.14	63.19
23 09 23 12		**Control Dampers** *(23 09 23)*		
23 09 23 12-0001		Rectangular Galvanized Volume Control Dampers *(23 09 23 12)* Note: Excludes actuators.		
23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	123.54	23.02
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	139.30	25.25
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	155.79	27.85
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	180.09	32.67
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	203.65	37.12
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	205.61	41.77
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	252.75	46.41
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	301.82	55.69
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	388.14	64.97
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	578.20	74.26
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,064.91	83.54
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	1,353.88	92.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0014		Round Galvanized Control Dampers *(23 09 23 12)*		
		Note: Excludes actuators.		
23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	119.72	25.99
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	123.50	27.85
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	128.93	27.85
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	143.08	31.56
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	163.21	31.56
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	176.80	37.12
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	237.62	39.08
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	248.47	40.51
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	263.60	43.67
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	279.03	46.83
23 09 23 12-0025		Control Damper Actuators *(23 09 23 12)*		
23 09 23 12-0026	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	359.86	61.35
23 09 23 12-0027	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	395.95	61.35
23 09 23 12-0028	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	455.06	61.35
23 09 23 12-0029	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	483.30	61.35
23 09 23 12-0030	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	500.06	61.35
23 09 23 12-0031	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	565.96	61.35
23 09 23 12-0032		Remote Damper Control *(23 09 23 12)*		
23 09 23 12-0033	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	176.61	
		For Each 10' Flexible Casing And Wire, Add	*23.76*	
23 09 23 12-0034	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	171.74	
		For Each 10' Flexible Casing And Wire, Add	*23.76*	
23 09 23 14		**Flow Instruments** *(23 09 23)*		
23 09 23 14-0001		Water Flow Meters *(23 09 23 14)*		
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	3,063.94	67.62
23 09 23 14-0003		Air Flow Monitoring Stations *(23 09 23 14)*		
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,400.43	71.29
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,445.09	71.29
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	4,286.78	71.29
23 09 23 16		**Gas Instruments** *(23 09 23)*		
23 09 23 16-0001		Gas Sensors *(23 09 23 16)*		
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,275.48	38.45
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	565.63	25.63
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,015.49	38.45
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	557.15	46.15
23 09 23 19		**Moisture Instruments** *(23 09 23)*		
23 09 23 19-0001		Relative Humidity Sensors *(23 09 23 19)*		
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	351.13	46.15
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	360.42	46.15
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	410.80	64.09
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	314.05	25.63
23 09 23 21		**Motion Instruments** *(23 09 23)*		
23 09 23 21-0001		Peco Motion Sensors *(23 09 23 21)*		
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	115.93	18.02
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	113.71	18.02
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	150.90	18.02
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	134.49	18.02
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	44.30	18.02
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	41.24	18.02
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	72.69	18.02
23 09 23 23		**Pressure Instruments** *(23 09 23)*		
23 09 23 23-0001		Pressure Sensors *(23 09 23 23)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	466.57	54.13
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	416.65	54.13
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	175.11	54.13
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	180.91	54.13
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	192.26	54.13
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	179.23	54.13
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	1,681.61	54.13
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	1,681.61	54.13
23 09 23 23-0010	EA	Magnahelic Gauge	459.00	33.08

23 09 23 23-0011 Room Pressure Monitoring *(23 09 23 23)*

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,982.01	37.12
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	3,195.74	37.12
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	251.14	22.27
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	289.88	22.27

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	137.06	46.15
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	186.97	46.15
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	142.80	46.15
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	148.69	46.15
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	150.65	46.15
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	148.71	46.15
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	149.75	46.15
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	159.67	46.15
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	168.33	46.15
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	206.10	64.09
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	212.77	64.09
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	92.29	25.63
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	94.74	25.63
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	88.29	25.63

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	109.35	49.59
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	252.28	49.59

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	243.36	12.02
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	217.92	12.02

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Engineering *(23 09 23 53-0001)*

Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	198.28	
23 09 23 53-0004	HR	EMCS Engineering Project Management	198.28	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	210.30	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	210.30	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	135.22	
23 09 23 53-0008	HR	EMCS System Controls Training	198.28	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	198.28	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	165.28	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	171.28	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	105.18	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	105.18	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	105.18	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	90.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0017		**EMCS System Engineering/Submittal Design And Layout** *(23 09 23 53-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	35.09	
23 09 23 53-0019		**Alerton Controls** *(23 09 23 53)*		
23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	8,469.62	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	11,138.06	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	29,568.83	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	21,956.12	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	58,016.29	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	45,562.71	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	70,036.33	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	1,852.46	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	26,010.88	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	18,786.82	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	11,081.98	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	6,502.33	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	2,407.75	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	4,647.50	192.26
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	6,924.80	256.36
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	6,827.03	256.36
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	2,283.54	192.26
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	2,856.50	192.26
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	2,107.24	192.26
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	2,725.09	192.26
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	7,027.46	192.26
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	2,848.40	256.36
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	6,373.93	512.71
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	7,628.04	512.71
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,029.89	57.09
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	1,782.71	192.26
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	1,914.94	192.26
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,458.17	192.26
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,642.49	192.26
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,634.47	192.26
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	2,692.24	192.26
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	1,963.82	192.26
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	3,020.70	256.36
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,303.61	128.18
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,250.71	128.18
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	1,654.50	192.26
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	1,654.50	192.26
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	2,081.61	192.26
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	4,423.84	256.36
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,730.63	192.26
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	131.09	7.21
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	224.37	7.21
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	602.60	7.21
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	602.60	7.21
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	464.78	7.21
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	144.24	7.21
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	637.06	7.21
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	717.21	7.21
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	2,684.22	192.26
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	2,881.34	192.26
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	2,711.47	192.26
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	6,328.76	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	3,439.75	192.26
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	747.84	106.95
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	596.92	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	687.47	7.21
23 09 23 53-0076		**Automated Logic Controls** *(23 09 23 53)*		
23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	3,082.21	192.26
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	6,554.78	576.80
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	1,989.15	192.26
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	4,544.67	256.36
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	4,463.10	256.36
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	6,968.47	512.71
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	3,932.88	256.36
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,093.70	192.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	6,479.04	512.71
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,183.57	128.18
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	1,260.06	128.18
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	2,364.11	128.18
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	2,272.34	128.18
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	1,777.06	192.26
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	12,608.62	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	7,632.73	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	10,837.40	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP) Note: One for every thermostat to be retrofitted.	335.91	8.01
		For >50 To 200, Deduct	*-17.19*	
		For >200, Deduct	*-34.36*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP) Note: One for every thermostat to be retrofitted.	335.91	8.01
		For >50 To 200, Deduct	*-17.19*	
		For >200, Deduct	*-34.36*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP) Note: One for every thermostat to be retrofitted.	335.91	8.01
		For >50 To 200, Deduct	*-17.19*	
		For >200, Deduct	*-34.36*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP) Note: One for every thermostat to be retrofitted.	335.91	8.01
		For >50 To 200, Deduct	*-17.19*	
		For >200, Deduct	*-34.36*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB) Note: One for every thermostat to be retrofitted.	381.96	8.01
		For >50 To 200, Deduct	*-19.75*	
		For >200, Deduct	*-39.47*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB) Note: One for every thermostat to be retrofitted.	381.96	8.01
		For >50 To 200, Deduct	*-19.75*	
		For >200, Deduct	*-39.47*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	381.96	8.01
		For >50 To 200, Deduct	*-19.75*	
		For >200, Deduct	*-39.47*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB) Note: One for every thermostat to be retrofitted.	391.90	8.01
		For >50 To 200, Deduct	*-20.31*	
		For >200, Deduct	*-40.58*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	28.30	8.01
		For >50 To 200, Deduct	*-1.13*	
		For >200, Deduct	*-2.25*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-800-001) Note: One unit for up to 100 thermostats.	3,694.83	8.01
		For 2, Deduct	*-187.62*	
		For >2, Deduct	*-374.89*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	275.78	8.01
		For 2, Deduct	*-14.89*	
		For >2, Deduct	*-29.75*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	481.84	8.01
		For >5 To 10, Deduct	*-24.56*	
		For >10, Deduct	*-49.08*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	593.85	8.01
		For >5 To 10, Deduct	*-28.56*	
		For >10, Deduct	*-57.08*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,460.92	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,422.26	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	5,248.23	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	8,323.99	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	4,286.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	1,460.92	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,479.47	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	4,286.89	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	1,539.65	80.11
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,646.89	
23 09 23 53-0121		**EMCS Central Equipment And Controllers** *(23 09 23 53-0109)*		
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	5,456.16	320.45
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	4,164.29	320.45
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,088.40	320.45
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	3,088.40	320.45
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,088.40	320.45
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	2,891.65	320.45
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	998.18	160.23
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	911.39	160.23
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	968.97	160.23
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	911.39	160.23
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,093.00	200.28
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	532.09	80.11
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	568.69	80.11
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	663.60	80.11
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	173.04	25.63
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	233.58	28.84
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	453.27	12.02
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)* Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	7,485.56	390.54
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	5,177.05	390.54
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	4,006.77	390.54
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	4,938.04	390.54
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	3,974.71	390.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	3,974.71	390.54
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,296.79	390.54
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,634.90	390.54
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,296.79	390.54
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,634.90	390.54
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,637.82	390.54
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,975.93	390.54
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,637.82	390.54
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,975.93	390.54
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	4,922.01	390.54
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	6,051.49	390.54
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,399.80	390.54
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,529.28	390.54
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	6,415.83	390.54
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	8,568.40	390.54
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,066.11	108.16
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	909.44	72.10
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,163.52	135.22
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	1,769.06	195.32
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	925.23	195.32
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	69.15	24.04
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,736.37	558.78
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,435.95	330.86
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,862.54	558.78
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,562.13	363.70
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,054.00	621.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,828.65	466.26
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,495.58	621.91
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,180.18	475.87
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,544.26	621.91
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,243.84	367.71
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,709.53	621.91
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,409.03	414.18
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,041.18	621.91
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,734.76	366.92
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,206.46	621.91
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,899.94	413.37
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,562.90	621.91
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,289.56	397.36
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,893.45	621.91
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,620.02	465.45

23 09 23 53-0191 DDC Programmable Controller Assemblies *(23 09 23 53-0141)*

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.

23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	1,774.82	477.70
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,051.15	477.70
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,734.28	561.82
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,010.62	561.82
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	4,944.20	657.96
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	5,263.64	657.96

23 09 23 53-0198 EMCS Optional DDC Controller Hardware *(23 09 23 53-0141)*

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	332.28	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	384.02	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	402.24	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	379.65	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	385.48	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	376.74	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	324.27	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	282.00	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	413.17	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	369.45	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	408.07	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	866.42	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,077.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	538.51	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	530.49	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	260.14	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	295.85	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	546.52	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	584.41	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	365.80	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	365.80	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	365.80	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	365.80	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	64.85	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	122.42	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	120.23	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	367.99	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	54.65	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	367.99	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	338.84	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	338.84	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	357.06	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	357.06	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	513.73	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	606.27	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,288.33	

23 09 23 53-0235 EMCS Software *(23 09 23 53-0140)*

23 09 23 53-0236 Software Packages And License *(23 09 23 53-0235)*

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	410.98	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	1,579.84	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	4,590.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,732.61	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	3,110.10	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	2,186.44	
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	3,895.23	
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	510.44	
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	339.20	
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	21,095.35	
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	19,246.49	
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	7,320.47	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	5,462.30	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,579.08	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,579.08	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	10,930.42	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,457.39	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,579.08	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	4,129.51	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,579.08	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	26,476.40	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	48,579.91	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	85,014.66	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	4,372.17	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	2,186.08	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	1,737.57	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	1,907.75	
23 09 23 53-0264		**Initial Database Generation** *(23 09 23 53-0235)*		
23 09 23 53-0265	PNT	Database Generation For Central Plant	53.76	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	53.76	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	53.76	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	37.41	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	37.41	
23 09 23 53-0270		**Application Software Programs** *(23 09 23 53-0235)*		
23 09 23 53-0271	EA	Basic Application Program Package Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,243.13	
23 09 23 53-0272	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	74.98	
23 09 23 53-0273	EA	Duty Cycling Program	35.41	
23 09 23 53-0274	EA	Hot Deck/Cold Deck Reset Application Program	3,853.62	
23 09 23 53-0275	EA	Boiler Optimization Program	5,049.94	
23 09 23 53-0276	EA	Chiller Optimization Program	6,840.65	
23 09 23 53-0277	EA	Lighting Control Program	3,301.03	
23 09 23 53-0278	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	65.77	
23 09 23 53-0279	EA	Email Alarm Server Configuration	2,546.61	
23 09 23 53-0280		**Color Graphics Generation** *(23 09 23 53-0235)* Note: Priced per page.		
23 09 23 53-0281	EA	Single Site Home Page Graphics Page With HTML Navigation Code	1,344.12	
23 09 23 53-0282	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	2,386.45	
23 09 23 53-0283	EA	Color Graphics Page For Central Plant	610.70	
23 09 23 53-0284	EA	Color Graphics Page For Building Floor Plan	563.91	
23 09 23 53-0285	EA	Replication Of Color Graphics Page For Central Plant	306.35	
23 09 23 53-0286	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	687.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0287	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	146.92	
23 09 23 53-0288	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	635.45	
23 09 23 53-0289	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	63.53	
23 09 23 53-0290		**Sensors, Actuators And Control Devices** *(23 09 23 53-0140)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291		**Special Sensors** *(23 09 23 53-0290)*		
23 09 23 53-0292	EA	Dewpoint Sensor (Honeywell C7232B1014)	1,308.25	49.59
23 09 23 53-0293	EA	Enthalpy Sensor -25 To 125 F	1,364.56	49.59
23 09 23 53-0294	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	633.45	99.18
23 09 23 53-0295	EA	Freezestat (Honeywell L482A1004)	439.83	165.28
23 09 23 53-0296	EA	Wall Mounted Occupancy Sensor	311.70	49.59
23 09 23 53-0297	EA	Ceiling Mounted Occupancy Sensor	249.62	49.59
23 09 23 53-0298	EA	I/P Positioner With Gauge	293.71	49.59
23 09 23 53-0299	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube	351.83	49.59
23 09 23 53-0300	EA	EP Transducer	293.71	33.08
23 09 23 53-0301	EA	Electric Heat Sequencer	467.96	66.10
23 09 23 53-0302		**Meters** *(23 09 23 53-0290)*		
23 09 23 53-0303	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	2,993.82	396.56
23 09 23 53-0304	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	4,355.80	462.64
23 09 23 53-0305	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,053.66	165.28
23 09 23 53-0306	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,198.74	165.28
23 09 23 53-0307	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	1,476.97	165.28
23 09 23 53-0308		**Direct Coupled Actuators** *(23 09 23 53-0290)*		
23 09 23 53-0309	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	392.66	61.26
23 09 23 53-0310	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	433.54	61.26
23 09 23 53-0311	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	503.81	61.26
23 09 23 53-0312	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	368.75	61.26
23 09 23 53-0313	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	412.70	61.26
23 09 23 53-0314	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	456.23	61.26
23 09 23 53-0315	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	415.11	61.26
23 09 23 53-0316	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	477.78	61.26
23 09 23 53-0317	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	545.43	61.26
23 09 23 53-0318	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	336.14	61.26
23 09 23 53-0319	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	369.51	61.26
23 09 23 53-0320	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	436.56	61.26
23 09 23 53-0321	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	468.12	61.26
23 09 23 53-0322	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	467.73	61.26
23 09 23 53-0323	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	554.27	61.26
23 09 23 53-0324	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	349.82	61.26
23 09 23 53-0325	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	614.52	61.26
23 09 23 53-0326	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	262.77	61.26
23 09 23 53-0327	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	401.27	61.26
23 09 23 53-0328		**Thermostats** *(23 09 23 53-0140)*		
23 09 23 53-0329		**Electric And Electronic Thermostats** *(23 09 23 53-0328)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0330	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	138.74	12.02
23 09 23 53-0331	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	149.10	12.02
23 09 23 53-0332	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	137.59	12.02
23 09 23 53-0333	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	153.36	12.02
23 09 23 53-0334	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	165.21	12.02
23 09 23 53-0335	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	241.16	12.02
23 09 23 53-0336	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	349.34	12.02
23 09 23 53-0337	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	563.23	12.02
23 09 23 53-0338	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	600.40	12.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0339		**Pneumatic Thermostats** *(23 09 23 53-0328)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340	EA	Pneumatic Thermostat (Honeywell TP970B2182)	189.50	12.02
23 09 23 53-0341		**Thermostats Guards** *(23 09 23 53-0328)*		
23 09 23 53-0342	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	46.42	12.02
23 09 23 53-0343	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	55.05	12.02
23 09 23 53-0344	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	51.95	12.02
23 09 23 53-0345		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0346		**Software** *(23 09 23 53-0345)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	11,726.53	
23 09 23 53-0348	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	13,864.98	
23 09 23 53-0349	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	701.92	
23 09 23 53-0350	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,054.34	
23 09 23 53-0351	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	1,853.81	
23 09 23 53-0352	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	707.89	
23 09 23 53-0353	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	704.33	
23 09 23 53-0354	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	268.00	
23 09 23 53-0355		**Supervisory Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0356	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	5,322.24	320.45
23 09 23 53-0357	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	8,142.47	320.45
23 09 23 53-0358	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	10,968.96	320.45
23 09 23 53-0359	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	4,235.89	320.45
23 09 23 53-0360		**Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0361	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	620.14	80.11
23 09 23 53-0362	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	808.20	160.23
23 09 23 53-0363	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,072.47	160.23
23 09 23 53-0364	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,260.52	160.23
23 09 23 53-0365	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	512.26	80.11
23 09 23 53-0366	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	560.21	80.11
23 09 23 53-0367	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	632.14	80.11
23 09 23 53-0368	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	641.72	80.11
23 09 23 53-0369	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,309.45	160.23
23 09 23 53-0370	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	629.58	80.11
23 09 23 53-0371	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	903.68	80.11
23 09 23 53-0372		**Master FX Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,640.27	160.23
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	1,754.01	160.23
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	1,810.53	160.23
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	1,776.18	160.23
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	1,722.50	160.23
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	1,731.10	160.23
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	1,722.50	160.23
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	1,754.13	160.23
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	1,852.36	160.23
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	1,917.84	160.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	1,885.10	160.23
23 09 23 53-0384	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	1,818.07	160.23
23 09 23 53-0385	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	1,754.13	160.23
23 09 23 53-0386	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	1,852.36	160.23
23 09 23 53-0387	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	1,917.84	160.23
23 09 23 53-0388	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	1,885.10	160.23
23 09 23 53-0389	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	1,818.07	160.23
23 09 23 53-0390	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	196.13	40.05
23 09 23 53-0391	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	276.71	40.05
23 09 23 53-0392	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	218.75	40.05
23 09 23 53-0393	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	196.13	40.05
23 09 23 53-0394	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	541.09	40.05
23 09 23 53-0395	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	499.64	40.05
23 09 23 53-0396	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	509.34	40.05
23 09 23 53-0397	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	509.34	40.05
23 09 23 53-0398	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	557.82	40.05
23 09 23 53-0399	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	557.82	40.05
23 09 23 53-0400	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	697.21	40.05
23 09 23 53-0401	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	697.21	40.05
23 09 23 53-0402	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	775.99	40.05
23 09 23 53-0403	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	775.99	40.05
23 09 23 53-0404		**VAV, Network And Special Sensors** *(23 09 23 53-0345)*		
23 09 23 53-0405	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	362.93	25.63
23 09 23 53-0406	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	125.14	25.63
23 09 23 53-0407	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	282.14	25.63
23 09 23 53-0408	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	419.26	25.63
23 09 23 53-0409	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	142.95	25.63
23 09 23 53-0410	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	380.60	25.63
23 09 23 53-0411		**Sensors - Hard Wired Type** *(23 09 23 53-0345)*		
23 09 23 53-0412	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	126.10	46.15
23 09 23 53-0413	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	104.78	25.63
23 09 23 53-0414	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	283.72	12.02
23 09 23 53-0415	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	382.13	12.02
23 09 23 53-0416	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	284.26	12.02
23 09 23 53-0417	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	371.82	25.63
23 09 23 53-0418	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	456.98	25.63
23 09 23 53-0419		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0420	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	274.03	12.02
23 09 23 53-0421	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	195.10	12.02
23 09 23 53-0422	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	207.51	54.13
23 09 23 53-0423	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	308.28	54.13
23 09 23 53-0424	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	46.13	8.01
23 09 23 53-0425	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	154.80	80.11
23 09 23 53-0426	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	249.18	13.30
23 09 23 53-0427	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	439.60	24.15
23 09 23 53-0428	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	882.24	24.15
23 09 23 53-0429	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	747.33	30.59
23 09 23 53-0430	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	205.96	46.15
23 09 23 53-0431	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	170.09	25.63
23 09 23 53-0432	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	912.92	128.18
23 09 23 53-0433	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	66.73	4.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0434	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,044.92	128.18
23 09 23 53-0435	EA	MMI Extension Cable (Siemens 545-712)	167.06	4.01
23 09 23 53-0436	EA	Remote Pressure Transmitter (Siemens 547-003)	867.16	25.63
23 09 23 53-0437	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	577.06	64.09
23 09 23 53-0438	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	470.88	64.09
23 09 23 53-0439	EA	Door Lock And Key Assembly (Siemens 567-225)	26.85	16.02
23 09 23 53-0440	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	8,750.25	
23 09 23 53-0441	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	334.78	
23 09 23 53-0442	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	1,948.43	
23 09 23 53-0443	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	292.74	8.03
23 09 23 53-0444	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	615.38	13.92
23 09 23 53-0445	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	8,220.64	320.45
23 09 23 53-0446	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	9,241.54	320.45
23 09 23 53-0447	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	107.49	12.02
23 09 23 53-0448	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	394.32	61.26
23 09 23 53-0449	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	412.04	61.26
23 09 23 53-0450	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	2,536.69	
23 09 23 53-0451	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	512.22	
23 09 23 53-0452	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	1,648.55	
23 09 23 53-0453	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	1,180.13	
23 09 23 53-0454	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,014.50	
23 09 23 53-0455	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	2,999.32	
23 09 23 53-0456	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	478.77	1.61
23 09 23 53-0457	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	534.12	6.41
23 09 23 53-0458	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	271.52	1.61
23 09 23 53-0459	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	307.19	16.02
23 09 23 53-0460	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	506.11	16.02
23 09 23 53-0461	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	680.80	16.02
23 09 23 53-0462	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	25.61	8.01
23 09 23 53-0463	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	634.77	40.05
23 09 23 53-0464	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	919.42	40.05
23 09 23 53-0465	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	739.64	40.05
23 09 23 53-0466	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,039.29	40.05
23 09 23 53-0467	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,731.65	448.63
23 09 23 53-0468	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	3,880.85	128.18
23 09 23 53-0469	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,264.87	512.71
23 09 23 53-0470	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,167.36	240.34
23 09 23 53-0471	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,370.57	240.34
23 09 23 53-0472	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,235.93	240.34
23 09 23 53-0473	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,723.12	256.36
23 09 23 53-0474	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,863.44	256.36
23 09 23 53-0475	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,828.63	256.36
23 09 23 53-0476	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	2,954.34	256.36
23 09 23 53-0477	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,825.46	256.36
23 09 23 53-0478	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	2,953.49	256.36
23 09 23 53-0479	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,418.84	448.63
23 09 23 53-0480	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	6,977.14	512.71
23 09 23 53-0481	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	761.03	
23 09 23 53-0482	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	427.30	32.05
23 09 23 53-0483	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	505.35	64.09
23 09 23 53-0484	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	511.34	16.02
23 09 23 53-0485	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	250.03	46.15
23 09 23 53-0486	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	173.11	25.63
23 09 23 53-0487	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	111.10	25.63
23 09 23 53-0488	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	141.36	46.15
23 09 23 53-0489	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	225.98	46.15
23 09 23 53-0490	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	178.19	46.15
23 09 23 53-0491	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	2,089.08	258.12
23 09 23 53-0492	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	23.46	8.01
23 09 23 53-0493	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.50	
23 09 23 53-0494	EA	16 Digital Input Module (Siemens TXM1.16D)	399.32	8.01
23 09 23 53-0495	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	593.21	8.01
23 09 23 53-0496	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	939.20	16.02
23 09 23 53-0497	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	335.36	25.63

23 09 23 53-0498 Trane Controls *(23 09 23 53)*

23 09 23 53-0499 Software *(23 09 23 53-0498)*
Note: Excludes programming, set-up and commissioning of application.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0500	EA	Summit + Building Management Package (Trane 40201152)	4,363.39	
23 09 23 53-0501	EA	Summit Current Version Software (Trane 40201111)	2,474.53	
23 09 23 53-0502	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	591.45	
23 09 23 53-0503	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	2,460.80	
23 09 23 53-0504	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	6,751.52	
23 09 23 53-0505		**EMCS Central Equipment And Controllers** *(23 09 23 53-0498)*		
23 09 23 53-0506	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	4,018.09	320.45
23 09 23 53-0507	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	8,818.20	320.45
23 09 23 53-0508	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	8,818.20	320.45
23 09 23 53-0509	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	7,775.92	320.45
23 09 23 53-0510	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	8,987.76	320.45
23 09 23 53-0511	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	140.44	20.03
23 09 23 53-0512	EA	Summit Comm5 Repeater (Trane 49500457)	1,085.69	160.23
23 09 23 53-0513	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	1,817.22	200.28
23 09 23 53-0514	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,325.31	240.34
23 09 23 53-0515	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	1,843.69	240.34
23 09 23 53-0516	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	1,571.96	240.34
23 09 23 53-0517	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,569.87	240.34
23 09 23 53-0518	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	697.75	80.11
23 09 23 53-0519	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	637.88	80.11
23 09 23 53-0520	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,156.07	160.23
23 09 23 53-0521	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,106.43	160.23
23 09 23 53-0522	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	615.95	80.11
23 09 23 53-0523	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	543.86	80.11
23 09 23 53-0524	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	793.33	80.11
23 09 23 53-0525	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	721.64	80.11
23 09 23 53-0526	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	622.37	80.11
23 09 23 53-0527	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	594.57	80.11
23 09 23 53-0528	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	679.37	80.11
23 09 23 53-0529	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	622.37	80.11
23 09 23 53-0530	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	884.80	160.23
23 09 23 53-0531	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	955.70	160.23
23 09 23 53-0532		**Network, VAV And Special Sensors** *(23 09 23 53-0498)*		
23 09 23 53-0533	EA	Digital Display Zone Sensor (Trane X13790464010)	145.81	25.63
23 09 23 53-0534	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	99.35	25.63
23 09 23 53-0535	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	91.52	25.63
23 09 23 53-0536	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	179.01	28.84
23 09 23 53-0537	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	110.04	25.63
23 09 23 53-0538	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	110.04	25.63
23 09 23 53-0539	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	373.40	46.15
23 09 23 53-0540	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	337.81	25.63
23 09 23 53-0541	EA	Transformer 120/24 40 VA (Trane X13550284010)	87.60	25.63
23 09 23 53-0542	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	84.80	25.63
23 09 23 53-0543	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	80.32	25.63
23 09 23 53-0544	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	984.27	160.23
23 09 23 53-0545	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	946.02	160.23
23 09 23 53-0546	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	866.31	160.23
23 09 23 53-0547	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,527.17	240.34
23 09 23 53-0548	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	866.31	160.23
23 09 23 53-0549	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	906.69	160.23
23 09 23 53-0550	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	909.97	160.23
23 09 23 53-0551	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	338.51	159.54
23 09 23 53-0552	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	473.33	159.54
23 09 23 53-0553	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,696.77	240.34
23 09 23 53-0554	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,635.20	240.34
23 09 23 53-0555	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	101.59	31.93
23 09 23 53-0556	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	354.13	31.93
23 09 23 53-0557	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,734.83	240.34
23 09 23 53-0558	EA	BACnet Term (2 Pack) (Trane X1365152401)	162.70	57.44
23 09 23 53-0559	EA	Tracer ES Add License (Trane X40250125010)	2,095.67	
23 09 23 53-0560	EA	Kit - Tracer TU For Controls (Trane X4509151201)	3,131.20	320.45
23 09 23 53-0561	EA	Kit - Tracer TU Complete (Trane X4509151301)	4,069.35	320.45
23 09 23 53-0562	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	400.03	57.44
23 09 23 53-0563	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	234.91	57.44
23 09 23 53-0564	EA	Sensor Wireless Display Sensor (Trane X13790822010)	264.01	57.44
23 09 23 53-0565	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	237.70	57.44
23 09 23 53-0566	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	318.13	57.44
23 09 23 53-0567	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	345.54	57.44
23 09 23 53-0568		**Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators** *(23 09 23 53)*		
23 09 23 53-0569		**Current Switches And Current Sensors** *(23 09 23 53-0568)*		
23 09 23 53-0570	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	93.20	25.63
23 09 23 53-0571	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	96.56	25.63
23 09 23 53-0572	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	145.81	25.63
23 09 23 53-0573	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	88.72	25.63
23 09 23 53-0574	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	260.00	25.63
23 09 23 53-0575	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	168.01	25.63
23 09 23 53-0576	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	129.68	25.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0577	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	129.68	25.63
23 09 23 53-0578	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	3,343.24	128.18
23 09 23 53-0579	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	848.52	25.63
23 09 23 53-0580	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	1,286.58	25.63
23 09 23 53-0581	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	138.69	25.63
23 09 23 53-0582	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	214.43	68.09
23 09 23 53-0583	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	214.70	68.09
23 09 23 53-0584	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	228.13	68.09
23 09 23 53-0585	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	231.49	68.09
23 09 23 53-0586	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	250.52	68.09
23 09 23 53-0587	EA	Toggle Switch	88.62	32.05
23 09 23 53-0588	EA	Maintained Pushbutton Switch	94.10	32.05
23 09 23 53-0589	EA	Manual Time Switch	145.78	32.05
23 09 23 53-0590	EA	Emergency Stop Switch	238.19	32.05
23 09 23 53-0591	EA	Float Switch	238.06	32.05
23 09 23 53-0592	EA	Break Glass Switch	751.13	32.05
23 09 23 53-0593	EA	Boiler E-Stop Switch	478.53	32.05

23 09 23 53-0594 Relays *(23 09 23 53-0568)*

23 09 23 53-0595	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	78.08	25.63
23 09 23 53-0596	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	84.97	25.63
23 09 23 53-0597	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	119.14	32.05
23 09 23 53-0598	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	146.73	25.63
23 09 23 53-0599	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	73.09	25.63
23 09 23 53-0600	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	72.08	25.63
23 09 23 53-0601	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	78.08	25.63
23 09 23 53-0602	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	81.23	25.63
23 09 23 53-0603	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	82.09	25.63
23 09 23 53-0604	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	90.13	32.05
23 09 23 53-0605	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	118.23	32.05
23 09 23 53-0606	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	204.89	32.05
23 09 23 53-0607	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	203.65	32.05

23 09 23 53-0608 Surge Protectors *(23 09 23 53-0568)*

23 09 23 53-0609	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	205.53	6.41
23 09 23 53-0610	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	155.53	6.41
23 09 23 53-0611	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	241.57	6.41
23 09 23 53-0612	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	131.11	6.41
23 09 23 53-0613	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	131.11	6.41
23 09 23 53-0614	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	131.11	6.41
23 09 23 53-0615	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	189.26	6.41
23 09 23 53-0616	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	117.16	6.41

23 09 23 53-0617 Transformers *(23 09 23 53-0568)*

23 09 23 53-0618	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	92.46	25.63
23 09 23 53-0619	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	100.27	25.63
23 09 23 53-0620	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	100.27	25.63
23 09 23 53-0621	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	107.35	25.63
23 09 23 53-0622	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	111.70	25.63

23 09 23 53-0623 Power Supplies *(23 09 23 53-0568)*

23 09 23 53-0624	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	136.42	25.63
23 09 23 53-0625	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	158.11	25.63
23 09 23 53-0626	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	148.33	25.63
23 09 23 53-0627	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	152.96	25.63
23 09 23 53-0628	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	148.84	25.63
23 09 23 53-0629	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	155.73	25.63
23 09 23 53-0630	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	117.78	25.63

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	1.59	0.63
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	1.98	0.65
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.55	0.66
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.21	0.68

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.43	0.63
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.53	0.65
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.74	0.66
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.14	0.68

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0012		**Nylon Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	1.66	0.61
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.17	0.63
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.22	0.66
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	4.10	0.68
23 09 43 00-0017		**Flexible Vinyl Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.63	0.63
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.57	0.66
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.08	0.68
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.72	0.71
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.19	0.73
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.69	0.75
23 09 43 00-0024		**Braided Vinyl Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.18	0.71
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	2.51	0.73
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	3.11	0.75
23 09 43 00-0028		**Copper Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	3.26	1.37
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	3.92	1.57
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	4.53	1.80
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	5.51	2.07
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	6.28	2.39
23 09 43 00-0034		**Brass Couplings** *(23 09 43 00-0001)*		
23 09 43 00-0035		**Straight Brass Couplings** *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	7.40	3.44
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	7.48	3.44
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	7.57	3.44
23 09 43 00-0039		**Elbow Brass Couplings** *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	7.87	3.44
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	8.15	3.44
23 09 43 00-0042		**Tee Brass Couplings** *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	12.02	5.35
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	13.80	5.73
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	13.50	5.73

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0001		**Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** *(23 11 23)*		
23 11 23 00-0002		**Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)*		
		Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	4.57	1.35
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.03	1.45
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.07	1.57
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.78	1.66
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.22	1.74
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	14.29	1.81
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.54	1.93
23 11 23 00-0010		**Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)*		
23 11 23 00-0011		**Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.57	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.57	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.14	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.14	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.15	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.54	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.87	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.23	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	209.31	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.81	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.14	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.14	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.15	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.15	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.69	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.69	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.60	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.37	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.75	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.11	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.02	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	61.19	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	116.73	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	230.38	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	384.35	
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.96	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.79	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.26	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	190.46	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	204.92	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	235.72	
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.48	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.31	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.77	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.77	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.40	
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.41	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.12	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.73	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44	
23 11 23 00-0060		Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.54	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.99	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.41	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.51	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	120.47	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	151.40	

23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.39	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.44	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.85	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.82	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	104.10	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.66	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	185.52	

23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.72	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.99	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.97	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.80	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	146.26	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	234.69	

23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

Note: Includes mounting plate.

23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.84	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.06	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.87	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.96	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.92	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.98	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.49	

23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.

23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.19	14.09
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.56	14.79

23 11 23 00-0094 Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.88	12.32
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.55	14.65
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.36	17.61
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	84.84	23.53

23 11 23 00-0099 Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

Note: Includes mounting hardware.

23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.02	14.65
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.54	17.61
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.71	14.65
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.58	17.61
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	127.80	44.02

23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.81	14.65
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.81	14.65
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.85	14.65
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.72	17.61
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.72	17.61
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	108.46	23.53
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	166.28	26.41

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23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	85.89	14.65
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	223.70	17.61
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	551.67	26.41
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	37.30	10.56
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	41.89	11.27
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	46.26	11.27
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	48.84	11.97
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	52.24	11.97
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	60.55	12.68
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	68.04	12.68
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	75.44	13.38
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	37.30	10.56
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	41.89	11.27
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	46.26	11.27
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	48.84	11.97
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	52.24	11.97
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	60.55	12.68
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	68.04	12.68
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	75.44	13.38
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	37.30	10.56
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	41.89	11.27
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	46.26	11.27
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	48.84	11.97
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	52.24	11.97
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	60.55	12.68
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	68.04	12.68
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	75.44	13.38
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	37.30	10.56
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	41.89	11.27
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	58.54	11.27
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	48.84	11.97
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	52.24	11.97
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	60.55	12.68

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23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	68.04	12.68
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	75.44	13.38
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	42.03	10.56
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	47.77	11.27
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	46.26	11.27
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	56.34	11.97
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	52.24	11.97
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	60.55	12.68
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	68.04	12.68
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	75.44	13.38
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	37.30	10.56
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	53.21	11.27
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	48.84	11.97
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	52.24	11.97
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	60.55	12.68
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	80.55	12.68
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	75.44	13.38
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	37.30	10.56
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	41.89	11.27
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	46.26	11.27
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	48.84	11.97
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	52.24	11.97
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	60.55	12.68
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	68.04	12.68
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	75.44	13.38
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	37.30	10.56
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	41.89	11.27
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	46.26	11.27
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	48.84	11.97
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	52.24	11.97
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	60.55	12.68
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	68.04	12.68
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	75.44	13.38
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		

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23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	47.77	11.27
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	46.26	11.27
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	56.34	11.97
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	60.54	11.97
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	71.09	12.68
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	37.30	10.56
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	41.89	11.27
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	41.35	11.27
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	48.84	11.97
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	46.36	11.97
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	62.34	12.68
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	68.04	12.68
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	75.44	13.38
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	37.30	10.56
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	37.88	11.27
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	38.64	11.27
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	48.84	11.97
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	52.24	11.97
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	52.88	12.68
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	68.04	12.68
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	75.44	13.38
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	37.30	10.56
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	41.89	11.27
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	46.26	11.27
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	48.84	11.97
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	42.28	11.97
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	60.55	12.68
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	68.04	12.68
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	75.44	13.38
23 11 23 00-0221		**3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	54.16	10.56
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	58.72	11.27
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	63.09	11.27
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	65.65	11.97
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	69.20	11.97
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	76.99	12.68

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23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	85.15	12.68
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	92.58	13.38
23 11 23 00-0230		**3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	61.21	14.09
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	65.76	14.79
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	70.14	14.79
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	72.69	15.50
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	76.25	15.50
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	84.03	16.20
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	92.20	16.20
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	99.62	16.90
23 11 23 00-0239		**3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	61.21	14.09
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	65.76	14.79
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	70.14	14.79
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	72.69	15.50
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	76.25	15.50
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	84.03	16.20
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	92.20	16.20
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	99.62	16.90
23 11 23 00-0248		**3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	74.91	14.09
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	79.46	14.79
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	83.84	14.79
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	86.39	15.50
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	89.98	15.50
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	97.74	16.20
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	105.92	16.20
23 11 23 00-0256		**3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	74.91	14.09
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	79.46	14.79
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	83.84	14.79
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	89.98	15.50
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	97.74	16.20
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	105.92	16.20
23 11 23 00-0263		**1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	74.91	14.09
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	79.46	14.79

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23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	83.84	14.79
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	86.39	15.50
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	89.98	15.50
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	97.74	16.20
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	105.92	16.20
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	113.32	16.90
23 11 23 00-0272		**1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	57.59	14.09
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	62.16	14.79
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	66.57	14.79
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	69.08	15.50
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	72.66	15.50
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	80.41	16.20
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	95.97	16.90
23 11 23 00-0280		**1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	71.91	14.79
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	77.39	14.79
23 11 23 00-0283		**Quarter-Turn, Gas Ball Valve** *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	31.57	7.49
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	30.73	7.64
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	45.80	8.41
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	31.16	7.49
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	32.70	7.64
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	38.50	7.64
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	40.35	8.03
23 11 23 00-0291	EA	5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	43.30	8.03
23 11 23 00-0292	EA	5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	43.30	8.03
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	33.36	7.49
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	34.90	7.64
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	44.86	8.03
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	35.19	7.64
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	47.47	8.41
23 11 23 00-0298	EA	3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	33.25	7.49
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	30.87	7.49
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	30.72	7.64
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	42.62	8.41
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	60.60	9.56
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	91.52	9.94
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	110.12	11.47
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	138.04	13.76
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	31.99	7.64
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	42.23	8.41
23 11 23 00-0308		**Gas Stops** *(23 11 23)*		
23 11 23 00-0309		**Brass/Bronze Gas Stops** *(23 11 23 00-0308)*		
		Note: Flat or square head		
23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	35.33	7.64
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	35.32	7.64
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	46.31	8.41
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	65.41	9.56
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	87.14	10.17
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	110.05	11.77
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	153.18	13.91
23 11 23 00-0317		**Iron Body Gas Stops** *(23 11 23 00-0308)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	48.00	7.64
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	58.79	8.41
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	72.94	9.56
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	94.45	10.17
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	119.23	11.77
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	155.27	13.91
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	303.19	18.80
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	407.74	21.84

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	124.80	7.64
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	145.57	7.64
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	185.28	8.41
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	278.38	9.56
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	498.45	11.77
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	849.79	13.91
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,052.48	18.80
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	1,587.41	21.84

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	14.05	5.07
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-5.69*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	16.84	6.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-6.82*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	22.28	8.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.04*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	26.18	10.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.31*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	30.55	11.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.94*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	42.36	14.08
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.82*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	56.18	16.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.86*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	78.52	21.08
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.72*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	107.94	50.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.81*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	127.38	60.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.17*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	152.52	70.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-79.19*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	190.70	83.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.84*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	229.58	93.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.02*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	328.26	116.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.28*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	421.45	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	595.92	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	108.19	50.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.81*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	127.46	60.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.17*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	152.75	70.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-79.25*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	191.54	83.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-92.45*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	229.50	93.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.02*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	328.26	116.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.28*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	458.47	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	595.92	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	165.08	75.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.20*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	202.33	91.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.62*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	231.70	105.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.88*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	285.78	125.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.73*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	339.21	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	424.71	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	625.89	210.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-237.16*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	816.47	256.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-288.30*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	199.93	75.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.20*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	252.04	91.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.49*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	295.04	105.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.87*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	339.73	125.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.73*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	383.75	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	495.16	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	714.74	210.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-237.16*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	913.32	256.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-288.30*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	119.36	50.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.81*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	151.04	60.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.17*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	168.65	70.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-79.25*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	196.05	83.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-92.45*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	222.60	93.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.02*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	290.14	116.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.28*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	364.02	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	483.37	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	103.79	50.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.81*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	121.29	60.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.17*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	138.93	70.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-79.25*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	166.94	83.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-92.45*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	194.12	93.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.02*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	211.67	116.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.28*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	263.43	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	375.84	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	16.83	6.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-6.82*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	33.62	12.11
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.60*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	47.79	9.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.46*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	57.48	13.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-14.72*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	51.30	9.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.51*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	64.02	14.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.75*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	77.89	15.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.33*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	91.77	16.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.92*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	57.28	19.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.05*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	79.15	28.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-31.49*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	85.56	19.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.42*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	128.37	29.83
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-33.57*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	97.69	20.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.12*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	131.04	30.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-34.67*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	82.85	50.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.81*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	99.55	60.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.17*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	115.41	70.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-79.25*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	136.74	83.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-92.45*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	157.24	93.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.02*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	200.28	116.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.28*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	249.23	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	306.72	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	83.74	50.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.81*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	100.73	60.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-68.17*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	118.15	69.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-78.63*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	140.37	83.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.90*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	162.40	93.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.02*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	197.96	111.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-125.67*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	257.26	140.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.10*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	338.84	174.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-196.05*	

23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*

23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*

23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	54.89	21.77
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	65.30	25.78
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	87.68	38.03
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	119.72	49.31
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	163.55	60.21
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	213.96	71.41
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	272.38	90.11

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	876.42	269.35
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,020.34	323.30
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,252.20	375.70
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,061.10	498.04
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,182.49	622.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	4,214.87	749.12
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,566.76	927.66

23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	877.45	269.35
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,018.54	323.30
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,250.79	375.70
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,052.77	498.04
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,170.43	622.66
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	4,198.81	749.47
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,547.53	929.77

23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,245.01	404.02
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,543.46	486.93
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,754.22	563.84
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,718.53	749.82
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,421.78	929.77
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,529.49	1,123.43
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,407.00	1,362.12

23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,677.71	404.02
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,161.87	486.36
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,540.91	563.84
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,271.60	749.82
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,296.44	929.77
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,632.72	1,123.43
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,609.58	1,362.12

23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*

23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	945.47	269.35
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,231.51	323.30
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,345.37	375.70
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,771.99	498.04
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,362.72	622.66
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,025.55	749.12
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,146.91	927.66

23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*

23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	752.09	269.35
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	862.20	323.30
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	976.42	375.70
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,418.35	498.04
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,388.35	622.66
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,776.60	749.12
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,811.77	927.66

23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	144.63	32.33
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	289.00	64.52
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	494.62	49.59
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	574.75	69.81
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	537.66	49.78
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	646.21	74.71
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	960.79	89.77
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	503.01	104.61
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	685.45	149.35
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	850.63	106.28
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,276.78	159.22
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	994.50	109.65
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,299.70	164.47
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	724.36	372.91
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,024.47	498.04
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,271.23	596.12
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,700.04	749.12
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,352.37	927.66

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	823.32	204.38
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	873.27	247.37
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	962.96	293.88

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	912.58	204.38
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	964.92	247.37
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,017.14	293.88

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	629.50	114.52
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	736.46	128.27
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	807.24	143.77
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	883.66	162.10
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,215.77	180.42
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,476.26	201.91
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,637.41	226.22
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	1,983.44	253.01
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	2,329.69	283.67
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	2,608.73	318.20
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	2,924.77	356.68

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	720.45	105.71
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	853.61	118.05
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	955.94	123.34
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,083.32	128.62
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,223.90	132.14

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,940.40	501.33
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,563.92	501.33
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	12,339.12	626.64
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,033.71	1,223.97
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,983.47	1,573.57
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	30,080.49	1,807.31
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	32,633.75	2,389.63
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	33,780.99	2,565.68
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	41,191.73	3,031.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	47,700.49	3,496.07
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	60,787.64	3,844.60
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,103.16	4,667.96
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,526.51	4,953.91
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	92,101.45	7,857.95
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	113,385.58	10,189.82
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	133,466.08	11,659.01
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	170,747.03	12,533.44
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	229,794.30	12,854.84

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,759.02	501.33
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,465.60	626.64
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,505.55	775.32
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,118.37	944.38
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,728.16	1,107.60
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,970.86	1,457.37
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,320.93	2,215.21
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,417.61	2,798.17
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,291.57	3,147.94
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,716.51	3,730.89
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	16,371.32	4,430.43
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,133.96	5,538.03
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	25,423.64	7,403.47
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	37,942.17	9,210.62
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	46,489.04	11,076.06
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	66,388.46	16,031.14
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	94,459.61	20,403.27

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,312.50	501.33
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	7,001.01	626.64
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,394.20	757.83
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	10,917.74	1,107.68
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,268.55	1,457.37
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,144.79	2,215.21
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	15,760.43	2,798.17
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	19,364.25	3,147.94
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,789.19	3,730.89
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	25,164.78	4,430.43
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	34,585.50	5,538.03
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	42,866.39	7,403.47
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	66,238.27	11,076.06

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	945.62	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	945.62	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	189.12	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	378.25	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	472.81	

23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks *(23 13 13 23)*

Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).

23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day Note: Includes inspection report and repair estimate.	1,300.00	
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair Note: 50 SF minimum.	61.75	
23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway	5,448.96	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway	8,102.51	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	75.10	
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.	160.21	
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,406.55	
		For Additional Flange Installation During The Same Day, Add	*142.00*	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,424.91	
		For Additional Flange Installation During The Same Day, Add	*153.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,463.30	
		For Additional Flange Installation During The Same Day, Add	*176.00*	
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,563.43	
		For Additional Flange Installation During The Same Day, Add	*236.00*	
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,600.15	
		For Additional Flange Installation During The Same Day, Add	*318.00*	
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,793.74	
		For Additional Flange Installation During The Same Day, Add	*374.00*	
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,581.79	
		For Additional Flange Installation During The Same Day, Add	*247.00*	
		For Blade Gusseted Outlet, Add	*387.27*	
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,608.49	
		For Additional Flange Installation During The Same Day, Add	*263.00*	
		For Blade Gusseted Outlet, Add	*391.27*	
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,688.60	
		For Additional Flange Installation During The Same Day, Add	*135.00*	
		For Blade Gusseted Outlet, Add	*403.29*	
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,855.49	
		For Additional Flange Installation During The Same Day, Add	*175.00*	
		For Blade Gusseted Outlet, Add	*428.32*	
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	2,958.96	
		For Additional Flange Installation During The Same Day, Add	*215.00*	
		For Blade Gusseted Outlet, Add	*443.84*	
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	3,227.65	
		For Additional Flange Installation During The Same Day, Add	*260.00*	
		For Blade Gusseted Outlet, Add	*484.15*	
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,814.78	
		For Blade Gusseted Outlet, Add	*722.22*	
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,328.12	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,328.12	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,328.12	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,328.12	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,328.12	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,328.12	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,411.56	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*435.00*	
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,411.56	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*435.00*	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	2,411.56	
		For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*435.00*	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0001		**Rectangle Double Wall Steel Fuel Day Tank** *(23 13 23 13)* Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,057.84	91.78
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,137.49	96.37
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,235.68	103.25
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,425.50	110.14
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,595.15	114.73
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,878.83	137.68
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,545.41	160.62
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,234.90	183.56
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,169.83	206.51
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,648.23	229.45
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,310.50	275.34
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,940.06	321.24
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,589.25	367.13
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,324.55	390.07
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,064.77	413.02
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,908.06	435.96
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,643.36	458.90
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,712.65	550.69
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,553.28	596.58
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,656.93	688.37
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,765.50	780.14
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,296.74	91.78
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,378.02	96.37
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,476.21	103.25
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,664.40	110.14
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,834.05	114.73
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,119.37	137.68
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,808.85	160.62
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,498.34	183.56
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,433.27	206.51
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,911.67	229.45
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,573.94	275.34
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,203.50	321.24
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,852.69	367.13
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,587.99	390.07
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,328.21	413.02
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,173.14	435.96
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,908.44	458.90
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,976.09	550.69
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,816.72	596.58
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,920.38	688.37
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,028.94	780.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,201.61	91.78
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,273.07	96.37
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,335.27	103.25
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,588.91	110.14
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,683.28	114.73
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,957.15	137.68
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,563.18	160.62
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,511.21	183.56
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,073.06	206.51
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,660.86	229.45
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,516.22	275.34
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,018.14	321.24
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,713.15	367.13
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,414.09	390.07
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,344.12	413.02
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,721.07	435.96
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,057.11	458.90
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,628.75	550.69
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,184.43	596.58
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,854.24	688.37
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,551.87	780.14
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,281.56	91.78
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,353.02	96.37
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,415.22	103.25
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,668.86	110.14
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,763.23	114.73
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,037.10	137.68
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,643.13	160.62
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,591.16	183.56
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,225.01	206.51
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,364.47	229.45
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,219.82	275.34
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,723.39	321.24
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,416.76	367.13
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,119.33	390.07
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,047.72	413.02
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,424.67	435.96
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,760.72	458.90
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,332.35	550.69
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,889.67	596.58
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,557.85	688.37
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,255.48	780.14
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,885.35	91.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,964.99	96.37
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,028.83	103.25
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,290.65	110.14
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,430.84	114.73
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,678.52	137.68
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,309.10	160.62
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,302.94	183.56
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,886.07	206.51
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,536.05	229.45
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,437.22	275.34
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,888.42	321.24
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,681.61	367.13
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,533.08	390.07
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,389.48	413.02
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,813.88	435.96
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,125.38	458.90
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,770.65	550.69
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,403.24	596.58
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,149.96	688.37
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,921.22	780.14
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,965.30	91.78
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,044.95	96.37
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,108.78	103.25
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,370.60	110.14
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,510.79	114.73
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,755.20	137.68
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,389.05	160.62
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,382.89	183.56
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,966.02	206.51
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,239.66	229.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,140.83	275.34
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,755.66	321.24
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,385.21	367.13
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,236.69	390.07
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,093.08	413.02
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,517.49	435.96
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,830.63	458.90
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,474.26	550.69
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,106.85	596.58
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,853.56	688.37
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,624.82	780.14
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,047.17	91.78
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,136.90	96.37
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,234.76	103.25
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,416.86	110.14
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	1,906.17	114.73
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	1,944.41	137.68
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,453.51	160.62
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,046.86	183.56
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,026.81	206.51
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,080.21	229.45
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,098.41	275.34
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,535.60	321.24
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	6,974.95	367.13
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	7,667.64	390.07
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	8,362.50	413.02
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	8,964.50	435.96
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	9,572.93	458.90
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	10,810.17	550.69
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	12,009.80	596.58
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	13,320.48	688.37
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	14,583.64	780.14
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,104.50	96.37
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,202.60	103.25
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,305.27	110.14
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,493.03	114.73
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,039.69	137.68
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,077.93	160.62
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,613.20	183.56
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,237.37	206.51
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,269.65	229.45
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,379.44	252.40
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,449.96	298.29
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,907.20	344.18
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,366.70	390.07
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,095.76	413.02
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	8,827.09	435.96
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,460.40	458.90
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,138.75	504.80
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,436.23	596.58
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	12,774.75	688.37
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,149.74	780.14
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	15,474.57	871.92
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,217.80	91.78
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,329.13	96.37
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,439.95	103.25
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,665.25	110.14
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,247.44	114.73
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,285.68	137.68
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,872.53	160.62
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,567.39	183.56
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	4,723.87	206.51
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,021.93	229.45
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,232.36	275.34
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	7,736.51	321.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,244.98	367.13
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,073.74	390.07
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	9,904.68	413.02
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	10,608.17	435.96
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	11,328.93	458.90
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	12,792.97	550.69
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	14,221.54	596.58
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	15,759.01	688.37
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	17,248.96	780.14
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,284.61	96.37
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,405.51	103.25
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,521.86	110.14
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,755.22	114.73
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,399.91	137.68
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,438.15	160.62
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,055.50	183.56
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,786.83	206.51
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,005.43	229.45
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,373.47	252.40
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,646.91	298.29
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,174.82	344.18
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,707.28	390.07
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,579.97	413.02
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,454.93	435.96
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,195.38	458.90
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	11,992.31	504.80
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,529.18	596.58
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,109.36	688.37
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	16,723.75	780.14
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,287.96	871.92

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,543.25	498.84
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,058.90	603.84
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,164.40	855.41
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,369.83	1,069.26
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,525.08	1,432.43
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,573.48	1,474.56
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,794.02	1,823.08
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	18,781.90	2,088.91
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	22,303.81	2,278.79
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	25,836.97	2,506.69
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	28,605.67	2,785.18
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	35,770.62	3,580.95
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	48,587.27	4,177.81

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,975.06	622.44
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,778.44	753.22
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,489.37	1,069.26
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,386.92	1,336.58
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,078.18	1,790.51
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	15,158.04	1,843.14
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,007.67	2,270.56
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	30,214.31	2,611.15
23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	35,999.55	2,848.53
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	41,781.12	3,133.32
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	46,252.55	3,481.54
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	57,779.41	4,476.20
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	78,888.39	5,222.23

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	3,425.75	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	4,139.74	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	9,032.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	9,890.48	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	14,050.44	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	15,741.25	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	20,777.98	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	24,385.21	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	27,704.01	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	33,734.60	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	43,184.12	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	19,060.61	1,084.21
		For Low Profile Tanks, Add	*7,019.11*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	23,999.66	1,223.97
		For Low Profile Tanks, Add	*8,916.72*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	42,549.36	1,457.37
		For Low Profile Tanks, Add	*16,206.32*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	67,455.47	3,205.53
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	77,055.44	3,500.96
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	86,717.63	3,780.78
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	96,363.65	4,102.66
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	106,004.56	4,367.08

23 13 23 26-0010 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

23 13 23 26-0011 Aboveground Concrete Vaulted Storage Tank *(23 13 23 26-0010)*

Note: Convault tank with 20 year warranty Includes vents, clock gauge, fill limited, 7 gallon overfills, slick port, and complete sign package.

23 13 23 26-0012	EA	500 Gallon Concrete Vaulted Tank	13,179.83	
23 13 23 26-0013	EA	1000 Gallon Concrete Vaulted Tank	17,542.98	
23 13 23 26-0014	EA	2000 Gallon Concrete Vaulted Tank	28,560.08	
23 13 23 26-0015	EA	Dual 500 Gallon Concrete Vaulted Tank	22,758.87	
23 13 23 26-0016	EA	Split 1,000 Gallon Concrete Vaulted Tank	22,758.87	
23 13 23 26-0017	EA	Dual 1,000 Gallon Concrete Vaulted Tank	31,748.61	
23 13 23 26-0018	EA	Split 2,000 Gallon Concrete Vaulted Tank	31,748.61	

23 13 23 26-0019 Accessories For Aboveground Concrete Vaulted Storage Tank *(23 13 23 26-0010)*

23 13 23 26-0020 Pumps *(23 13 23 26-0019)*

23 13 23 26-0021	EA	Astra 3/4 HP Suction Pump For Gas With Hose, Nozzle Swivel, Breakaway And Ball Valve	7,018.93	
23 13 23 26-0022	EA	Astra 3/4 HP Suction Pump For Diesel With Hose, Nozzle Swivel, Breakaway And Ball Valve	7,277.74	
23 13 23 26-0023	EA	Astra 3/4 HP Suction Pump For Vapor With Hose, Nozzle Swivel, Breakaway And Ball Valve	7,935.11	

23 13 23 26-0024 Monitor *(23 13 23 26-0019)*

23 13 23 26-0025	EA	Electronic High Level / Leak Monitoring System For Single Compartment Tank	2,170.55	
23 13 23 26-0026	EA	Electronic High Level / Leak Monitoring System For Dual/Split Compartment Tank	3,021.18	
23 13 23 26-0027	EA	Electronic Gauging Including High/Leak Monitoring For Single Compartment Tank	6,522.01	
23 13 23 26-0028	EA	Electronic Gauging Including High/Leak Monitoring For Dual/Split Compartment Tank	9,041.10	

23 13 23 26-0029 Heaters *(23 13 23 26-0019)*

23 13 23 26-0030	EA	Bung Heater For 500 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1	3,721.69	
23 13 23 26-0031	EA	Bung Heater For 1,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1	3,776.90	
23 13 23 26-0032	EA	Bung Heater For 2,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1	3,840.74	

23 13 23 26-0033 Fuel Management *(23 13 23 26-0019)*

23 13 23 26-0034	EA	TopKat Fuel Management Key System (50) Keys Direct Connection With Windows Software	11,215.10	
23 13 23 26-0035	EA	TopKat Fuel Management Key System (50) Keys Modem Connection With Windows Software	11,905.26	

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	597.24	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,293.62	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	1,962.77	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	1,869.60	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	88.65	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	236.79	
23 13 33 00-0008	EA	Manhole Spill Containment	889.90	178.46
23 13 33 00-0009	EA	Fill Adapter, 4"	206.10	119.00
23 13 33 00-0010	EA	Fill Cap, 4"	138.37	44.61
23 13 33 00-0011	EA	2" Vent Cap	84.44	29.77
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	261.02	44.61
23 13 33 00-0013	EA	Float Vent Valve	306.20	89.23
23 13 33 00-0014	EA	Vapor Hose Adapter	257.38	59.46
23 13 33 00-0015	EA	Dust Cap	114.03	32.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	387.44	50.97
23 13 33 00-0017	EA	10' Wood Gage Stick	32.54	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	90.56	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	120.87	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	59.61	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	81.57	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	130.24	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	525.05	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,112.47	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	1,315.79	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	1,434.23	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	1,572.22	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	2,248.07	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	2,775.59	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	3,072.99	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	3,776.00	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	4,469.52	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	5,003.12	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	5,778.19	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	33.81	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	37.82	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	41.59	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	50.54	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	52.06	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	69.07	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	110.86	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	196.18	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	39.66	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	43.65	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	47.65	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	59.96	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	63.95	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	79.85	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	125.22	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	216.59	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	40.99	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	47.48	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	53.72	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	69.78	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	91.96	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	144.75	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	228.72	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	48.41	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	57.35	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	70.99	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	86.88	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	88.40	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	127.63	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	230.90	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	414.96	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	42.08	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	54.77	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	56.30	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	57.82	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	81.63	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	103.75	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	189.67	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	216.83	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	266.93	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	308.00	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	355.00	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	447.58	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	581.73	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	642.82	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	193.59	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	193.62	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	283.32	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	289.06	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	390.89	

23 20 HVAC Piping And Pumps *(23)*

23 21 Hydronic Piping And Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	13.06	2.82
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.15*	
		For Work In Restricted Working Space, Add	*2.91*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	14.16	3.03
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.47*	
		For Work In Restricted Working Space, Add	*3.05*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	15.46	3.32
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.85*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	18.40	3.45
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.78*	
		For Work In Restricted Working Space, Add	*3.46*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	19.37	4.08
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.10*	
		For Work In Restricted Working Space, Add	*3.51*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.92	4.93
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.14*	
		For Work In Restricted Working Space, Add	*3.95*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.01	5.84
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*9.27*	
		For Work In Restricted Working Space, Add	*4.91*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.83	7.82
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*11.85*	
		For Work In Restricted Working Space, Add	*6.01*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	58.96	9.31
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*17.64*	
		For Work In Restricted Working Space, Add	*6.73*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	94.11	11.90
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*29.61*	
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	111.79	14.08
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*35.40*	
		For Work In Restricted Working Space, Add	*9.08*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0015		**Threaded And Coupled, Black Steel Piping** *(23 21 13 23-0014)*		
		Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	4.59	1.76
		For Schedule 80 Pipe, Add	*0.82*	
		For Work In Restricted Working Space, Add	*1.07*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	5.99	2.82
		For Schedule 80 Pipe, Add	*1.20*	
		For Work In Restricted Working Space, Add	*1.28*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	6.76	3.03
		For Schedule 80 Pipe, Add	*1.45*	
		For Work In Restricted Working Space, Add	*1.36*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	7.89	3.32
		For Schedule 80 Pipe, Add	*1.83*	
		For Work In Restricted Working Space, Add	*1.48*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.19	3.45
		For Schedule 80 Pipe, Add	*2.31*	
		For Work In Restricted Working Space, Add	*1.57*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.88	4.08
		For Schedule 80 Pipe, Add	*2.75*	
		For Work In Restricted Working Space, Add	*1.84*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	13.64	4.93
		For Schedule 80 Pipe, Add	*3.54*	
		For Work In Restricted Working Space, Add	*2.23*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	18.63	5.84
		For Schedule 80 Pipe, Add	*5.30*	
		For Work In Restricted Working Space, Add	*2.64*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	24.60	7.82
		For Schedule 80 Pipe, Add	*6.96*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	33.23	9.31
		For Schedule 80 Pipe, Add	*10.05*	
		For Work In Restricted Working Space, Add	*4.20*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	43.36	11.90
		For Schedule 80 Pipe, Add	*13.28*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	54.77	14.08
		For Schedule 80 Pipe, Add	*17.27*	
		For Work In Restricted Working Space, Add	*6.33*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	75.42	17.01
		For Schedule 80 Pipe, Add	*25.03*	
		For Work In Restricted Working Space, Add	*7.64*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	101.84	20.72
		For Schedule 80 Pipe, Add	*34.94*	
		For Work In Restricted Working Space, Add	*9.34*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	135.92	27.24
		For Schedule 80 Pipe, Add	*46.87*	
		For Work In Restricted Working Space, Add	*12.25*	
23 21 13 23-0031		**Black Malleable Iron 90 Degree Elbows** *(23 21 13 23-0014)*		
23 21 13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow	19.68	7.82
		For 300 LB Rating, Add	*10.61*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	21.57	12.54
		For 300 LB Rating, Add	*7.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow	24.39	14.02
		For 300 LB Rating, Add	*9.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*6.31*	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow	29.33	15.64
		For 300 LB Rating, Add	*15.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	36.22	17.75
		For 300 LB Rating, Add	*24.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	42.66	20.00
		For 300 LB Rating, Add	*32.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow	59.95	25.43
		For 300 LB Rating, Add	*54.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.35*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	105.09	37.61
		For 300 LB Rating, Add	*120.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.78*	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow	145.46	49.45
		For 300 LB Rating, Add	*175.62*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*22.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow	234.87	54.47
		For 300 LB Rating, Add	*372.53*	
		For Standard Weight Cast Iron Fittings, Add	*2.45*	
		For Work In Restricted Working Space, Add	*24.51*	
23 21 13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow	532.86	56.85
		For 300 LB Rating, Add	*1,079.40*	
		For Standard Weight Cast Iron Fittings, Add	*7.16*	
		For Work In Restricted Working Space, Add	*25.57*	
23 21 13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow	606.18	59.44
		For 300 LB Rating, Add	*1,246.31*	
		For Standard Weight Cast Iron Fittings, Add	*8.27*	
		For Work In Restricted Working Space, Add	*26.73*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	22.52	11.48
		For 300 LB Rating, Add	*13.78*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.16*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	25.37	13.24
		For 300 LB Rating, Add	*14.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	25.99	12.25
		For 300 LB Rating, Add	*19.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	29.28	14.86
		For 300 LB Rating, Add	*18.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	28.71	14.09
		For 300 LB Rating, Add	*19.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*6.34*	
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	34.49	13.03
		For 300 LB Rating, Add	*36.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	36.83	16.70
		For 300 LB Rating, Add	*29.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.19*	
		For Work In Restricted Working Space, Add	*7.51*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	36.98	15.85
		For 300 LB Rating, Add	*33.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*7.14*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	38.07	15.15
		For 300 LB Rating, Add	*38.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*6.80*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	44.94	18.87
		For 300 LB Rating, Add	*41.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*8.48*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	43.38	17.82
		For 300 LB Rating, Add	*41.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*8.02*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	44.57	16.97
		For 300 LB Rating, Add	*47.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.31*	
		For Work In Restricted Working Space, Add	*7.65*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	58.16	22.68
		For 300 LB Rating, Add	*59.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	59.76	21.56
		For 300 LB Rating, Add	*67.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.44*	
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	58.21	20.50
		For 300 LB Rating, Add	*67.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.44*	
		For Work In Restricted Working Space, Add	*9.23*	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	58.63	19.72
		For 300 LB Rating, Add	*71.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	113.45	31.48
		For 300 LB Rating, Add	*161.81*	
		For Standard Weight Cast Iron Fittings, Add	*1.06*	
		For Work In Restricted Working Space, Add	*14.16*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	113.30	28.81
		For 300 LB Rating, Add	*170.93*	
		For Standard Weight Cast Iron Fittings, Add	*1.12*	
		For Work In Restricted Working Space, Add	*12.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	189.21	43.53
		For 300 LB Rating, Add	*301.44*	
		For Standard Weight Cast Iron Fittings, Add	*1.98*	
		For Work In Restricted Working Space, Add	*19.57*	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	163.20	37.40
		For 300 LB Rating, Add	*260.38*	
		For Standard Weight Cast Iron Fittings, Add	*1.71*	
		For Work In Restricted Working Space, Add	*16.83*	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	289.58	51.81
		For 300 LB Rating, Add	*513.17*	
		For Standard Weight Cast Iron Fittings, Add	*3.39*	
		For Work In Restricted Working Space, Add	*23.31*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	21.72	7.82
		For 300 LB Rating, Add	*15.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	23.39	12.54
		For 300 LB Rating, Add	*12.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	26.72	14.02
		For 300 LB Rating, Add	*14.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*6.31*	
23 21 13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow	30.65	15.64
		For 300 LB Rating, Add	*18.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	39.28	17.75
		For 300 LB Rating, Add	*32.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	45.68	20.00
		For 300 LB Rating, Add	*39.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow	61.82	25.43
		For 300 LB Rating, Add	*59.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	125.07	37.61
		For 300 LB Rating, Add	*168.31*	
		For Standard Weight Cast Iron Fittings, Add	*1.10*	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow	163.40	49.45
		For 300 LB Rating, Add	*218.67*	
		For Standard Weight Cast Iron Fittings, Add	*1.43*	
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow	256.73	54.47
		For 300 LB Rating, Add	*425.00*	
		For Standard Weight Cast Iron Fittings, Add	*2.80*	
		For Work In Restricted Working Space, Add	*24.51*	
23 21 13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow	776.67	56.85
		For 300 LB Rating, Add	*1,664.55*	
		For Standard Weight Cast Iron Fittings, Add	*11.06*	
		For Work In Restricted Working Space, Add	*25.57*	
23 21 13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow	796.52	59.44
		For 300 LB Rating, Add	*1,703.13*	
		For Standard Weight Cast Iron Fittings, Add	*11.32*	
		For Work In Restricted Working Space, Add	*26.73*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee	25.42	9.80
		For 300 LB Rating, Add	*15.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee	27.21	15.64
		For 300 LB Rating, Add	*10.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee	32.44	18.10
		For 300 LB Rating, Add	*14.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee	41.19	21.34
		For 300 LB Rating, Add	*23.93*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee	52.92	25.43
		For 300 LB Rating, Add	*37.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee	63.91	30.29
		For 300 LB Rating, Add	*47.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*13.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee	87.83	37.61
		For 300 LB Rating, Add	*78.93*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee	142.00	49.45
		For 300 LB Rating, Add	*167.31*	
		For Standard Weight Cast Iron Fittings, Add	*1.09*	
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee	188.01	58.74
		For 300 LB Rating, Add	*245.19*	
		For Standard Weight Cast Iron Fittings, Add	*1.60*	
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee	344.80	68.83
		For 300 LB Rating, Add	*586.06*	
		For Standard Weight Cast Iron Fittings, Add	*3.87*	
		For Work In Restricted Working Space, Add	*30.96*	
23 21 13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee	854.69	81.71
		For 300 LB Rating, Add	*1,764.54*	
		For Standard Weight Cast Iron Fittings, Add	*11.71*	
		For Work In Restricted Working Space, Add	*36.76*	
23 21 13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee	925.77	93.41
		For 300 LB Rating, Add	*1,894.18*	
		For Standard Weight Cast Iron Fittings, Add	*12.57*	
		For Work In Restricted Working Space, Add	*42.01*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee	29.83	15.64
		For 300 LB Rating, Add	*16.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee	35.37	18.10
		For 300 LB Rating, Add	*21.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee	42.47	21.34
		For 300 LB Rating, Add	*27.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee	58.61	25.43
		For 300 LB Rating, Add	*51.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee	68.20	30.29
		For 300 LB Rating, Add	*57.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee	89.39	37.61
		For 300 LB Rating, Add	*82.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.53*	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee	177.08	49.45
		For 300 LB Rating, Add	*251.50*	
		For Standard Weight Cast Iron Fittings, Add	*1.65*	
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee	205.96	58.74
		For 300 LB Rating, Add	*288.27*	
		For Standard Weight Cast Iron Fittings, Add	*1.89*	
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee	389.14	68.83
		For 300 LB Rating, Add	*692.47*	
		For Standard Weight Cast Iron Fittings, Add	*4.58*	
		For Work In Restricted Working Space, Add	*30.96*	
23 21 13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee	785.79	81.71
		For 300 LB Rating, Add	*1,599.18*	
		For Standard Weight Cast Iron Fittings, Add	*10.61*	
		For Work In Restricted Working Space, Add	*36.76*	
23 21 13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee	892.33	93.41
		For 300 LB Rating, Add	*1,813.92*	
		For Standard Weight Cast Iron Fittings, Add	*12.04*	
		For Work In Restricted Working Space, Add	*42.01*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling	20.66	7.82
		For 300 LB Rating, Add	*12.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling	22.64	12.54
		For 300 LB Rating, Add	*10.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling	25.54	14.02
		For 300 LB Rating, Add	*12.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*6.31*	
23 21 13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling	30.25	15.64
		For 300 LB Rating, Add	*17.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling	35.34	17.75
		For 300 LB Rating, Add	*22.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling	41.81	20.00
		For 300 LB Rating, Add	*30.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.19*	
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling	55.62	25.43
		For 300 LB Rating, Add	*44.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling	104.77	37.61
		For 300 LB Rating, Add	*119.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.77*	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling	139.61	49.45
		For 300 LB Rating, Add	*161.58*	
		For Standard Weight Cast Iron Fittings, Add	*1.05*	
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling	213.54	54.47
		For 300 LB Rating, Add	*321.34*	
		For Standard Weight Cast Iron Fittings, Add	*2.11*	
		For Work In Restricted Working Space, Add	*24.51*	
23 21 13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling	456.50	56.85
		For 300 LB Rating, Add	*896.14*	
		For Standard Weight Cast Iron Fittings, Add	*5.94*	
		For Work In Restricted Working Space, Add	*25.57*	
23 21 13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling	512.07	59.44
		For 300 LB Rating, Add	*1,020.45*	
		For Standard Weight Cast Iron Fittings, Add	*6.77*	
		For Work In Restricted Working Space, Add	*26.73*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling	23.57	12.54
		For 300 LB Rating, Add	*12.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling	26.09	14.02
		For 300 LB Rating, Add	*13.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*6.31*	
23 21 13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling	31.38	15.64
		For 300 LB Rating, Add	*20.37*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling	36.74	17.75
		For 300 LB Rating, Add	*25.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling	42.80	20.00
		For 300 LB Rating, Add	*32.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling	56.67	25.43
		For 300 LB Rating, Add	*46.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling	111.31	37.61
		For 300 LB Rating, Add	*135.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.88*	
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling	140.95	49.45
		For 300 LB Rating, Add	*164.79*	
		For Standard Weight Cast Iron Fittings, Add	*1.07*	
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling	215.60	54.47
		For 300 LB Rating, Add	*326.29*	
		For Standard Weight Cast Iron Fittings, Add	*2.14*	
		For Work In Restricted Working Space, Add	*24.51*	
23 21 13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling	386.22	56.85
		For 300 LB Rating, Add	*727.47*	
		For Standard Weight Cast Iron Fittings, Add	*4.82*	
		For Work In Restricted Working Space, Add	*25.57*	
23 21 13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling	475.70	59.44
		For 300 LB Rating, Add	*933.16*	
		For Standard Weight Cast Iron Fittings, Add	*6.19*	
		For Work In Restricted Working Space, Add	*26.73*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap	11.63	5.84
		For 300 LB Rating, Add	*7.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*2.64*	
23 21 13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap	13.21	6.27
		For 300 LB Rating, Add	*9.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap	15.45	7.26
		For 300 LB Rating, Add	*11.74*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap	17.83	7.82
		For 300 LB Rating, Add	*15.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap	20.11	7.82
		For 300 LB Rating, Add	*20.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap	27.37	10.08
		For 300 LB Rating, Add	*30.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap	46.81	12.54
		For 300 LB Rating, Add	*68.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.45*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap	64.05	15.15
		For 300 LB Rating, Add	*100.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.66*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap	98.88	18.70
		For 300 LB Rating, Add	*171.79*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap	203.93	23.38
		For 300 LB Rating, Add	*407.51*	
		For Standard Weight Cast Iron Fittings, Add	*2.70*	
		For Work In Restricted Working Space, Add	*10.50*	
23 21 13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap	351.36	27.80
		For 300 LB Rating, Add	*745.66*	
		For Standard Weight Cast Iron Fittings, Add	*4.95*	
		For Work In Restricted Working Space, Add	*12.51*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union	29.18	7.82
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union	35.73	15.64
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union	41.17	18.10
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-0145	EA	1", 150 LB, Black Malleable Iron Union	50.37	21.34
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0146	EA	1-1/4", 150 LB, Black Malleable Iron Union	64.39	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0147	EA	1-1/2", 150 LB, Black Malleable Iron Union	78.26	30.29
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-0148	EA	2", 150 LB, Black Malleable Iron Union	94.51	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0149	EA	2-1/2", 150 LB, Black Malleable Iron Union	196.87	55.44
		For Work In Restricted Working Space, Add	*24.95*	
23 21 13 23-0150	EA	3", 150 LB, Black Malleable Iron Union	246.32	72.90
		For Work In Restricted Working Space, Add	*32.84*	
23 21 13 23-0151	EA	3/8", 250 LB, Black Malleable Iron Union	33.53	7.82
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-0152	EA	1/2", 250 LB, Black Malleable Iron Union	44.00	15.64
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0153	EA	3/4", 250 LB, Black Malleable Iron Union	47.27	18.10
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-0154	EA	1", 250 LB, Black Malleable Iron Union	56.79	21.34
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0155	EA	1-1/4", 250 LB, Black Malleable Iron Union	79.62	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0156	EA	1-1/2", 250 LB, Black Malleable Iron Union	93.29	30.29
		For Work In Restricted Working Space, Add	*13.64*	
23 21 13 23-0157	EA	2", 250 LB, Black Malleable Iron Union	117.72	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0158	EA	2-1/2", 250 LB, Black Malleable Iron Union	275.55	55.44
		For Work In Restricted Working Space, Add	*24.96*	
23 21 13 23-0159	EA	3", 250 LB, Black Malleable Iron Union	334.58	72.90
		For Work In Restricted Working Space, Add	*32.84*	
23 21 13 23-0160	EA	4", 250 LB, Black Malleable Iron Union	519.62	80.38
		For Work In Restricted Working Space, Add	*36.17*	
23 21 13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union	44.67	7.82
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union	46.96	15.64
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union	53.09	18.10
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-0164	EA	1", 300 LB, Black Malleable Iron Union	65.97	21.34
		For Work In Restricted Working Space, Add	*9.61*	
23 21 13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union	93.44	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union	103.43	30.29
		For Work In Restricted Working Space, Add	*13.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0167	EA	2", 300 LB, Black Malleable Iron Union	128.17	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union	314.74	55.44
		For Work In Restricted Working Space, Add	*24.96*	
23 21 13 23-0169	EA	3", 300 LB, Black Malleable Iron Union	409.00	72.90
		For Work In Restricted Working Space, Add	*32.84*	
23 21 13 23-0170	EA	4", 300 LB, Black Malleable Iron Union	1,071.33	80.38
		For Work In Restricted Working Space, Add	*36.17*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	11.36	6.69
		For Schedule 80 Nipples, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	11.16	6.69
		For Schedule 80 Nipples, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	11.32	6.69
		For Schedule 80 Nipples, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	12.65	7.26
		For Schedule 80 Nipples, Add	*0.91*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	14.04	7.82
		For Schedule 80 Nipples, Add	*1.15*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	14.61	7.82
		For Schedule 80 Nipples, Add	*1.44*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	19.06	10.08
		For Schedule 80 Nipples, Add	*1.96*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	31.01	12.54
		For Schedule 80 Nipples, Add	*6.12*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	37.25	15.15
		For Schedule 80 Nipples, Add	*7.27*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	49.88	18.70
		For Schedule 80 Nipples, Add	*10.94*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	11.54	6.69
		For Schedule 80 Nipples, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	11.16	6.69
		For Schedule 80 Nipples, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	11.42	6.69
		For Schedule 80 Nipples, Add	*0.68*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	11.54	6.69
		For Schedule 80 Nipples, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	11.16	6.69
		For Schedule 80 Nipples, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	11.42	6.69
		For Schedule 80 Nipples, Add	*0.68*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	12.82	7.26
		For Schedule 80 Nipples, Add	*1.00*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	14.35	7.82
		For Schedule 80 Nipples, Add	*1.31*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	14.84	7.82
		For Schedule 80 Nipples, Add	*1.55*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.96	6.69
		For Schedule 80 Nipples, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.36	6.69
		For Schedule 80 Nipples, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.59	6.69
		For Schedule 80 Nipples, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	12.94	7.26
		For Schedule 80 Nipples, Add	*1.06*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	14.51	7.82
		For Schedule 80 Nipples, Add	*1.39*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	15.20	7.82
		For Schedule 80 Nipples, Add	*1.73*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.63	10.08
		For Schedule 80 Nipples, Add	*2.24*	
		For Work In Restricted Working Space, Add	*4.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	11.96	6.69
		For Schedule 80 Nipples, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	11.36	6.69
		For Schedule 80 Nipples, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	11.59	6.69
		For Schedule 80 Nipples, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	12.94	7.26
		For Schedule 80 Nipples, Add	*1.06*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	14.51	7.82
		For Schedule 80 Nipples, Add	*1.39*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	15.20	7.82
		For Schedule 80 Nipples, Add	*1.73*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	19.63	10.08
		For Schedule 80 Nipples, Add	*2.24*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	31.33	12.54
		For Schedule 80 Nipples, Add	*6.28*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	38.52	15.15
		For Schedule 80 Nipples, Add	*7.90*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	12.29	6.69
		For Schedule 80 Nipples, Add	*1.11*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.62	6.69
		For Schedule 80 Nipples, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.96	6.69
		For Schedule 80 Nipples, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	13.44	7.26
		For Schedule 80 Nipples, Add	*1.31*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.03	7.82
		For Schedule 80 Nipples, Add	*1.65*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.62	7.82
		For Schedule 80 Nipples, Add	*1.94*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	20.58	10.08
		For Schedule 80 Nipples, Add	*2.72*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	33.54	12.54
		For Schedule 80 Nipples, Add	*7.38*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	41.43	15.15
		For Schedule 80 Nipples, Add	*9.36*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	12.29	6.69
		For Schedule 80 Nipples, Add	*1.11*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	11.62	6.69
		For Schedule 80 Nipples, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	11.96	6.69
		For Schedule 80 Nipples, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	13.44	7.26
		For Schedule 80 Nipples, Add	*1.31*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	15.03	7.82
		For Schedule 80 Nipples, Add	*1.65*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	15.62	7.82
		For Schedule 80 Nipples, Add	*1.94*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	20.58	10.08
		For Schedule 80 Nipples, Add	*2.72*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	33.54	12.54
		For Schedule 80 Nipples, Add	*7.38*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	41.43	15.15
		For Schedule 80 Nipples, Add	*9.36*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	53.32	18.70
		For Schedule 80 Nipples, Add	*12.66*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	13.28	6.69
		For Schedule 80 Nipples, Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	11.89	6.69
		For Schedule 80 Nipples, Add	*0.91*	
		For Work In Restricted Working Space, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	12.44	6.69
		For Schedule 80 Nipples, Add	*1.19*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	13.93	7.26
		For Schedule 80 Nipples, Add	*1.55*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	15.67	7.82
		For Schedule 80 Nipples, Add	*1.97*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	16.48	7.82
		For Schedule 80 Nipples, Add	*2.37*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.40	10.08
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	34.99	12.54
		For Schedule 80 Nipples, Add	*8.11*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	43.35	15.15
		For Schedule 80 Nipples, Add	*10.32*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	56.93	18.70
		For Schedule 80 Nipples, Add	*14.47*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	13.28	6.69
		For Schedule 80 Nipples, Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	11.89	6.69
		For Schedule 80 Nipples, Add	*0.91*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	12.44	6.69
		For Schedule 80 Nipples, Add	*1.19*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	13.93	7.26
		For Schedule 80 Nipples, Add	*1.55*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	15.67	7.82
		For Schedule 80 Nipples, Add	*1.97*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	16.48	7.82
		For Schedule 80 Nipples, Add	*2.37*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	21.40	10.08
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	34.99	12.54
		For Schedule 80 Nipples, Add	*8.11*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	43.35	15.15
		For Schedule 80 Nipples, Add	*10.32*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	56.93	18.70
		For Schedule 80 Nipples, Add	*14.47*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	13.64	6.69
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	12.10	6.69
		For Schedule 80 Nipples, Add	*1.02*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	12.76	6.69
		For Schedule 80 Nipples, Add	*1.35*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	14.49	7.26
		For Schedule 80 Nipples, Add	*1.83*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	16.40	7.82
		For Schedule 80 Nipples, Add	*2.33*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	17.18	7.82
		For Schedule 80 Nipples, Add	*2.72*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	22.48	10.08
		For Schedule 80 Nipples, Add	*3.67*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	35.68	12.54
		For Schedule 80 Nipples, Add	*8.45*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	45.14	15.15
		For Schedule 80 Nipples, Add	*11.21*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	58.92	18.70
		For Schedule 80 Nipples, Add	*15.46*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	16.33	6.69
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	13.73	6.69
		For Schedule 80 Nipples, Add	*1.83*	
		For Work In Restricted Working Space, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	14.55	6.69
		For Schedule 80 Nipples, Add	*2.24*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	16.82	7.26
		For Schedule 80 Nipples, Add	*3.00*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	19.27	7.82
		For Schedule 80 Nipples, Add	*3.77*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	20.37	7.82
		For Schedule 80 Nipples, Add	*4.32*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	27.43	10.08
		For Schedule 80 Nipples, Add	*6.14*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	40.29	12.54
		For Schedule 80 Nipples, Add	*10.76*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	52.97	15.15
		For Schedule 80 Nipples, Add	*15.13*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	63.69	18.70
		For Schedule 80 Nipples, Add	*17.85*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	17.10	6.69
		For Schedule 80 Nipples, Add	*3.52*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	14.47	6.69
		For Schedule 80 Nipples, Add	*2.20*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	15.28	6.69
		For Schedule 80 Nipples, Add	*2.61*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	17.83	7.26
		For Schedule 80 Nipples, Add	*3.50*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	20.76	7.82
		For Schedule 80 Nipples, Add	*4.51*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	21.84	7.82
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	29.59	10.08
		For Schedule 80 Nipples, Add	*7.22*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	42.94	12.54
		For Schedule 80 Nipples, Add	*12.08*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	56.70	15.15
		For Schedule 80 Nipples, Add	*16.99*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	68.64	18.70
		For Schedule 80 Nipples, Add	*20.32*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	18.07	6.69
		For Schedule 80 Nipples, Add	*4.00*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	15.30	6.69
		For Schedule 80 Nipples, Add	*2.62*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	15.86	6.69
		For Schedule 80 Nipples, Add	*2.90*	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	18.87	7.26
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	21.97	7.82
		For Schedule 80 Nipples, Add	*5.12*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	23.38	7.82
		For Schedule 80 Nipples, Add	*5.82*	
		For Work In Restricted Working Space, Add	*3.52*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	31.77	10.08
		For Schedule 80 Nipples, Add	*8.31*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	45.66	12.54
		For Schedule 80 Nipples, Add	*13.44*	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	60.43	15.15
		For Schedule 80 Nipples, Add	*18.86*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	75.65	18.70
		For Schedule 80 Nipples, Add	*23.83*	
		For Work In Restricted Working Space, Add	*8.40*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	21.50	11.48
		For Work In Restricted Working Space, Add	*5.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing	24.67	12.32
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing	26.08	13.24
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing	28.24	13.17
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing	27.50	14.09
		For Work In Restricted Working Space, Add	*6.34*	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing	28.62	14.86
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing	30.83	14.16
		For Work In Restricted Working Space, Add	*6.38*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing	31.81	15.15
		For Work In Restricted Working Space, Add	*6.80*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing	32.02	15.85
		For Work In Restricted Working Space, Add	*7.14*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing	33.24	16.70
		For Work In Restricted Working Space, Add	*7.51*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	35.58	15.36
		For Work In Restricted Working Space, Add	*6.89*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing	34.78	16.27
		For Work In Restricted Working Space, Add	*7.31*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	35.90	16.97
		For Work In Restricted Working Space, Add	*7.65*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing	35.85	17.82
		For Work In Restricted Working Space, Add	*8.02*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	38.71	18.87
		For Work In Restricted Working Space, Add	*8.48*	
23 21 13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing	44.83	18.03
		For Work In Restricted Working Space, Add	*8.11*	
23 21 13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing	44.13	18.95
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing	42.83	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing	43.23	20.50
		For Work In Restricted Working Space, Add	*9.23*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	44.78	21.56
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	47.87	22.68
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	61.30	25.78
		For Work In Restricted Working Space, Add	*11.61*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing	62.53	26.62
		For Work In Restricted Working Space, Add	*11.98*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	64.08	27.61
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	64.22	28.81
		For Work In Restricted Working Space, Add	*12.95*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing	68.11	31.48
		For Work In Restricted Working Space, Add	*14.16*	
23 21 13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing	78.86	31.69
		For Work In Restricted Working Space, Add	*14.28*	
23 21 13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing	80.08	32.54
		For Work In Restricted Working Space, Add	*14.64*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing	81.64	33.60
		For Work In Restricted Working Space, Add	*15.11*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing	82.72	34.73
		For Work In Restricted Working Space, Add	*15.62*	
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing	84.77	37.40
		For Work In Restricted Working Space, Add	*16.83*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing	94.32	43.53
		For Work In Restricted Working Space, Add	*19.57*	
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing	111.28	34.16
		For Work In Restricted Working Space, Add	*15.39*	
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing	112.50	35.01
		For Work In Restricted Working Space, Add	*15.76*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing	114.03	36.06
		For Work In Restricted Working Space, Add	*16.22*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing	115.72	37.18
		For Work In Restricted Working Space, Add	*16.72*	
23 21 13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing	116.53	39.84
		For Work In Restricted Working Space, Add	*17.93*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing	125.61	45.93
		For Work In Restricted Working Space, Add	*20.66*	
23 21 13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing	134.46	51.81
		For Work In Restricted Working Space, Add	*23.31*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug	9.53	4.15
		For Work In Restricted Working Space, Add	*1.88*	
23 21 13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug	11.01	5.00
		For Work In Restricted Working Space, Add	*2.26*	
23 21 13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug	11.90	5.63
		For Work In Restricted Working Space, Add	*2.52*	
23 21 13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug	13.78	6.27
		For Work In Restricted Working Space, Add	*2.82*	
23 21 13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug	16.16	7.11
		For Work In Restricted Working Space, Add	*3.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug	19.71	7.96
		For Work In Restricted Working Space, Add	*3.60*	
23 21 13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug	26.20	10.14
		For Work In Restricted Working Space, Add	*4.57*	
23 21 13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug	42.51	15.01
		For Work In Restricted Working Space, Add	*6.76*	
23 21 13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug	57.07	19.79
		For Work In Restricted Working Space, Add	*8.90*	
23 21 13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug	90.18	21.77
		For Work In Restricted Working Space, Add	*9.80*	
23 21 13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug	157.60	22.76
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug	188.63	23.74
		For Work In Restricted Working Space, Add	*10.70*	

23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

23 21 13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange	104.86	28.18
		For Work In Restricted Working Space, Add	*12.68*	
23 21 13 23-0341	EA	1", 125 LB, Black Cast Iron Flange	87.58	31.83
		For Work In Restricted Working Space, Add	*14.33*	
23 21 13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange	97.06	32.96
		For Work In Restricted Working Space, Add	*14.83*	
23 21 13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange	97.79	35.86
		For Work In Restricted Working Space, Add	*16.13*	
23 21 13 23-0344	EA	2", 125 LB, Black Cast Iron Flange	100.05	37.40
		For Work In Restricted Working Space, Add	*16.84*	
23 21 13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange	116.30	43.32
		For Work In Restricted Working Space, Add	*19.47*	
23 21 13 23-0346	EA	3", 125 LB, Black Cast Iron Flange	148.58	54.94
		For Work In Restricted Working Space, Add	*24.71*	
23 21 13 23-0347	EA	4", 125 LB, Black Cast Iron Flange	201.25	74.71
		For Work In Restricted Working Space, Add	*33.61*	
23 21 13 23-0348	EA	5", 125 LB, Black Cast Iron Flange	259.40	88.99
		For Work In Restricted Working Space, Add	*40.01*	
23 21 13 23-0349	EA	6", 125 LB, Black Cast Iron Flange	295.76	102.16
		For Work In Restricted Working Space, Add	*45.95*	

23 21 13 23-0350 150 LB, Black Malleable Iron Flanges *(23 21 13 23-0014)*

23 21 13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange	52.45	25.71
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange	57.18	28.18
		For Work In Restricted Working Space, Add	*12.68*	
23 21 13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange	67.14	31.83
		For Work In Restricted Working Space, Add	*14.33*	
23 21 13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange	70.15	32.96
		For Work In Restricted Working Space, Add	*14.83*	
23 21 13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange	76.38	35.86
		For Work In Restricted Working Space, Add	*16.13*	
23 21 13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange	85.60	37.40
		For Work In Restricted Working Space, Add	*16.83*	
23 21 13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange	111.16	43.32
		For Work In Restricted Working Space, Add	*19.47*	
23 21 13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange	140.81	54.94
		For Work In Restricted Working Space, Add	*24.71*	
23 21 13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange	211.29	74.71
		For Work In Restricted Working Space, Add	*33.60*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	22.93	
		For Work In Restricted Working Space, Add	*6.88*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	25.23	
		For Work In Restricted Working Space, Add	*7.57*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	27.53	
		For Work In Restricted Working Space, Add	*8.26*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	29.81	
		For Work In Restricted Working Space, Add	*8.94*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	31.34	
		For Work In Restricted Working Space, Add	*9.40*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	32.88	
		For Work In Restricted Working Space, Add	*9.86*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	34.41	
		For Work In Restricted Working Space, Add	*10.32*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	35.93	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	37.46	
		For Work In Restricted Working Space, Add	*11.24*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	40.52	
		For Work In Restricted Working Space, Add	*12.16*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	43.57	
		For Work In Restricted Working Space, Add	*13.07*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	47.40	
		For Work In Restricted Working Space, Add	*14.22*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	50.46	
		For Work In Restricted Working Space, Add	*15.14*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0374		Welded Black Steel Pipe *(23 21 13 23)*			
23 21 13 23-0375		Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*			
		Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		17.89	5.35
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*3.92*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		19.78	5.71
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*4.38*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		23.73	6.07
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*5.03*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		25.29	6.07
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*5.27*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		28.79	6.07
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*6.09*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		33.36	6.07
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*7.06*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		38.81	5.93
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*7.45*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		52.38	7.66
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*9.50*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		71.60	11.41
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*10.94*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		109.64	14.18
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*16.23*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		148.46	17.72
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*19.35*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		188.22	21.40
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*22.36*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		215.01	27.92
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*24.95*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		253.27	35.44
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*27.88*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		325.12	43.87
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*30.59*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		427.06	54.22
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*35.02*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly		530.31	61.45
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		*38.50*	
23 21 13 23-0393		Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*			
		Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.			
23 21 13 23-0394		Welded Plain End Black Steel Piping *(23 21 13 23-0393)*			
		Note: ASTM A-53			
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe		7.22	2.86
		For Schedule 80 Pipe, Add		*1.16*	
		For Schedule A-106 Pipe, Add		*0.18*	
		For Work In Restricted Working Space, Add		*1.71*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe		9.15	3.57
		For Schedule 80 Pipe, Add		*1.47*	
		For Schedule A-106 Pipe, Add		*0.24*	
		For Work In Restricted Working Space, Add		*2.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	11.51	4.28
		For Schedule 80 Pipe, Add	*1.87*	
		For Schedule A-106 Pipe, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.57*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	13.91	5.00
		For Schedule 80 Pipe, Add	*2.28*	
		For Schedule A-106 Pipe, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.00*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	16.53	5.93
		For Schedule 80 Pipe, Add	*2.71*	
		For Schedule A-106 Pipe, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.56*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	18.88	6.71
		For Schedule 80 Pipe, Add	*4.26*	
		For Schedule A-106 Pipe, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.03*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	23.09	7.21
		For Schedule 80 Pipe, Add	*5.56*	
		For Schedule A-106 Pipe, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.33*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	31.73	8.93
		For Schedule 80 Pipe, Add	*7.98*	
		For Schedule A-106 Pipe, Add	*1.67*	
		For Work In Restricted Working Space, Add	*5.36*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	45.40	14.46
		For Schedule 80 Pipe, Add	*12.02*	
		For Schedule A-106 Pipe, Add	*2.79*	
		For Work In Restricted Working Space, Add	*6.64*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	65.55	15.24
		For Schedule 80 Pipe, Add	*17.61*	
		For Schedule A-106 Pipe, Add	*4.21*	
		For Schedule 30 Pipe, Deduct	*-10.06*	
		For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	86.35	18.36
		For Schedule 80 Pipe, Add	*23.80*	
		For Schedule A-106 Pipe, Add	*5.96*	
		For Schedule 30 Pipe, Deduct	*-13.60*	
		For Work In Restricted Working Space, Add	*11.01*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	110.02	22.18
		For Schedule 80 Pipe, Add	*30.74*	
		For Schedule A-106 Pipe, Add	*7.88*	
		For Schedule 30 Pipe, Deduct	*-17.57*	
		For Work In Restricted Working Space, Add	*13.31*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	106.65	23.39
		For Schedule 80 Pipe, Add	*29.14*	
		For Schedule A-106 Pipe, Add	*7.18*	
		For Schedule 30 Pipe, Deduct	*-16.65*	
		For Schedule 20 Pipe, Deduct	*-30.31*	
		For Work In Restricted Working Space, Add	*14.03*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	117.24	25.17
		For Schedule 80 Pipe, Add	*32.23*	
		For Schedule A-106 Pipe, Add	*8.03*	
		For Schedule 30 Pipe, Deduct	*-18.42*	
		For Schedule 20 Pipe, Deduct	*-33.49*	
		For Work In Restricted Working Space, Add	*15.10*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	147.18	27.22
		For Schedule 80 Pipe, Add	*41.99*	
		For Schedule A-106 Pipe, Add	*11.13*	
		For Schedule 30 Pipe, Deduct	*-23.99*	
		For Schedule 20 Pipe, Deduct	*-43.35*	
		For Work In Restricted Working Space, Add	*16.33*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	174.10	32.60
		For Schedule 80 Pipe, Add	*49.52*	
		For Schedule A-106 Pipe, Add	*13.07*	
		For Work In Restricted Working Space, Add	*19.56*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	215.66	37.50
		For Schedule 80 Pipe, Add	*62.36*	
		For Schedule A-106 Pipe, Add	*16.88*	
		For Work In Restricted Working Space, Add	*22.50*	

23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	89.93	44.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*19.91*	
		For Work In Restricted Working Space, Add	*20.20*	
23 21 13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	93.45	47.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*20.59*	
		For Work In Restricted Working Space, Add	*21.26*	
23 21 13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	103.38	53.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*22.53*	
		For Work In Restricted Working Space, Add	*24.24*	
23 21 13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	109.76	58.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.78*	
		For Work In Restricted Working Space, Add	*26.15*	
23 21 13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	135.97	75.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.89*	
		For Work In Restricted Working Space, Add	*34.01*	
23 21 13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	171.84	94.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.67*	
		For Work In Restricted Working Space, Add	*42.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	180.72	96.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.02*	
		For Work In Restricted Working Space, Add	*43.42*	
23 21 13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	309.67	166.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*66.63*	
		For Work In Restricted Working Space, Add	*75.05*	
23 21 13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	559.21	275.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*124.41*	
		For Work In Restricted Working Space, Add	*123.86*	
23 21 13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	847.46	384.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*193.77*	
		For Work In Restricted Working Space, Add	*172.76*	
23 21 13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,156.79	439.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*277.93*	
		For Work In Restricted Working Space, Add	*197.44*	
23 21 13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,584.19	574.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*384.84*	
		For Work In Restricted Working Space, Add	*258.33*	
23 21 13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,996.57	678.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*492.09*	
		For Work In Restricted Working Space, Add	*305.37*	
23 21 13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,528.19	792.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*633.66*	
		For Work In Restricted Working Space, Add	*356.57*	
23 21 13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,049.49	884.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*775.68*	
		For Work In Restricted Working Space, Add	*397.61*	
23 21 13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,020.22	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,050.02*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,847.47	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,293.00*	
		For Work In Restricted Working Space, Add	*460.70*	

23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	495.45	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*122.32*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	887.04	272.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*223.26*	
		For Work In Restricted Working Space, Add	*122.44*	
23 21 13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	969.15	272.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*247.89*	
		For Work In Restricted Working Space, Add	*122.44*	
23 21 13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,586.09	384.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*415.36*	
		For Work In Restricted Working Space, Add	*172.76*	
23 21 13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,781.87	384.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*474.09*	
		For Work In Restricted Working Space, Add	*172.76*	
23 21 13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,272.89	439.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*612.76*	
		For Work In Restricted Working Space, Add	*197.44*	
23 21 13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,272.89	439.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*612.76*	
		For Work In Restricted Working Space, Add	*197.44*	
23 21 13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,875.55	585.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,070.53*	
		For Work In Restricted Working Space, Add	*263.26*	
23 21 13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,875.55	585.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,070.53*	
		For Work In Restricted Working Space, Add	*263.26*	
23 21 13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,408.10	585.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,230.29*	
		For Work In Restricted Working Space, Add	*263.26*	

23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	78.64	40.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*17.22*	
		For Work In Restricted Working Space, Add	*18.21*	
23 21 13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	80.79	41.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*17.64*	
		For Work In Restricted Working Space, Add	*18.86*	
23 21 13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	90.08	48.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*19.45*	
		For Work In Restricted Working Space, Add	*21.65*	
23 21 13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	95.79	51.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*20.56*	
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	118.65	67.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.02*	
		For Work In Restricted Working Space, Add	*30.22*	
23 21 13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	147.30	84.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.91*	
		For Work In Restricted Working Space, Add	*37.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	170.98	96.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.10*	
		For Work In Restricted Working Space, Add	*43.41*	
23 21 13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	293.54	166.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*61.80*	
		For Work In Restricted Working Space, Add	*75.03*	
23 21 13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	519.24	275.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*112.47*	
		For Work In Restricted Working Space, Add	*123.72*	
23 21 13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	774.17	384.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*171.78*	
		For Work In Restricted Working Space, Add	*172.76*	
23 21 13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,022.23	439.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*237.57*	
		For Work In Restricted Working Space, Add	*197.44*	
23 21 13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,387.47	573.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*325.99*	
		For Work In Restricted Working Space, Add	*257.85*	
23 21 13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,733.82	679.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*413.13*	
		For Work In Restricted Working Space, Add	*305.77*	
23 21 13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,165.49	791.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*524.97*	
		For Work In Restricted Working Space, Add	*356.21*	
23 21 13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,582.71	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*635.81*	
		For Work In Restricted Working Space, Add	*397.15*	
23 21 13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,336.38	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*844.87*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,953.77	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,024.89*	
		For Work In Restricted Working Space, Add	*460.70*	

23 21 13 23-0459 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	168.42	76.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.53*	
		For Work In Restricted Working Space, Add	*34.28*	
23 21 13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee	168.39	76.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.52*	
		For Work In Restricted Working Space, Add	*34.28*	
23 21 13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	192.35	84.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.36*	
		For Work In Restricted Working Space, Add	*38.13*	
23 21 13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	208.11	95.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.43*	
		For Work In Restricted Working Space, Add	*42.86*	
23 21 13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee	248.44	127.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.51*	
		For Work In Restricted Working Space, Add	*57.22*	
23 21 13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	286.00	142.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*63.30*	
		For Work In Restricted Working Space, Add	*64.29*	
23 21 13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee	339.37	173.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*74.51*	
		For Work In Restricted Working Space, Add	*78.00*	
23 21 13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee	486.35	250.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*106.43*	
		For Work In Restricted Working Space, Add	*112.78*	
23 21 13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee	822.10	414.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*181.41*	
		For Work In Restricted Working Space, Add	*186.33*	
23 21 13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,249.68	585.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*282.76*	
		For Work In Restricted Working Space, Add	*263.26*	
23 21 13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee	1,647.77	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*386.84*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,265.33	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*541.39*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,061.51	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*757.21*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee	3,687.46	1,229.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*912.75*	
		For Work In Restricted Working Space, Add	*552.84*	
23 21 13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,060.75	1,365.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,303.23*	
		For Work In Restricted Working Space, Add	*614.26*	
23 21 13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee	6,955.49	1,536.46
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,844.78*	
		For Work In Restricted Working Space, Add	*691.04*	
23 21 13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,154.87	1,654.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,185.99*	
		For Work In Restricted Working Space, Add	*744.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0477		**Welded Plain End Black Steel Reducing Tees** *(23 21 13 23-0393)*		
23 21 13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	164.85	73.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.83*	
		For Work In Restricted Working Space, Add	*33.21*	
23 21 13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	168.39	76.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.52*	
		For Work In Restricted Working Space, Add	*34.28*	
23 21 13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	188.88	84.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.32*	
		For Work In Restricted Working Space, Add	*38.13*	
23 21 13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	204.64	95.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.39*	
		For Work In Restricted Working Space, Add	*42.86*	
23 21 13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	256.18	127.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.82*	
		For Work In Restricted Working Space, Add	*57.23*	
23 21 13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	286.08	142.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*63.32*	
		For Work In Restricted Working Space, Add	*64.31*	
23 21 13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	339.74	173.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*74.62*	
		For Work In Restricted Working Space, Add	*78.00*	
23 21 13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	486.86	250.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*106.59*	
		For Work In Restricted Working Space, Add	*112.78*	
23 21 13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	822.97	414.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*181.68*	
		For Work In Restricted Working Space, Add	*186.33*	
23 21 13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,251.36	585.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*283.27*	
		For Work In Restricted Working Space, Add	*263.26*	
23 21 13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,650.61	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*387.69*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,269.63	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*542.68*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,068.44	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*759.29*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,695.85	1,229.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*915.26*	
		For Work In Restricted Working Space, Add	*552.84*	
23 21 13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,074.48	1,365.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,307.35*	
		For Work In Restricted Working Space, Add	*614.26*	
23 21 13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,088.83	1,536.46
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,884.78*	
		For Work In Restricted Working Space, Add	*691.04*	
23 21 13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,750.50	1,654.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,364.68*	
		For Work In Restricted Working Space, Add	*744.20*	
23 21 13 23-0495		**Welded Plain End Black Steel Eccentric Reducers** *(23 21 13 23-0393)*		
23 21 13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	139.24	46.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.46*	
		For Work In Restricted Working Space, Add	*20.89*	
23 21 13 23-0497	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	146.02	50.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.78*	
		For Work In Restricted Working Space, Add	*22.92*	
23 21 13 23-0498	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	144.24	49.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.44*	
		For Work In Restricted Working Space, Add	*22.39*	
23 21 13 23-0499	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	154.23	56.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.38*	
		For Work In Restricted Working Space, Add	*25.39*	
23 21 13 23-0500	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	149.24	53.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.41*	
		For Work In Restricted Working Space, Add	*23.89*	
23 21 13 23-0501	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	147.46	51.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.06*	
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	143.23	67.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.36*	
		For Work In Restricted Working Space, Add	*30.32*	
23 21 13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	166.13	65.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.57*	
		For Work In Restricted Working Space, Add	*29.35*	
23 21 13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	161.13	61.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.59*	
		For Work In Restricted Working Space, Add	*27.85*	
23 21 13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	177.45	85.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.74*	
		For Work In Restricted Working Space, Add	*38.56*	
23 21 13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	172.67	76.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.69*	
		For Work In Restricted Working Space, Add	*34.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	215.84	74.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.98*	
		For Work In Restricted Working Space, Add	*33.64*	
23 21 13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	197.84	96.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.20*	
		For Work In Restricted Working Space, Add	*43.29*	
23 21 13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	201.63	96.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.34*	
		For Work In Restricted Working Space, Add	*43.29*	
23 21 13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	209.64	96.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.74*	
		For Work In Restricted Working Space, Add	*43.29*	
23 21 13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	320.61	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*69.87*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	324.40	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*71.00*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	335.79	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*74.42*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	552.33	272.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*122.84*	
		For Work In Restricted Working Space, Add	*122.44*	
23 21 13 23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	634.12	272.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*147.38*	
		For Work In Restricted Working Space, Add	*122.44*	
23 21 13 23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	804.93	414.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*176.26*	
		For Work In Restricted Working Space, Add	*186.33*	
23 21 13 23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	957.12	414.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*221.92*	
		For Work In Restricted Working Space, Add	*186.33*	
23 21 13 23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	955.00	476.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*211.50*	
		For Work In Restricted Working Space, Add	*214.28*	
23 21 13 23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,137.98	476.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*266.40*	
		For Work In Restricted Working Space, Add	*214.28*	
23 21 13 23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,378.72	476.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*338.62*	
		For Concentric Reducers, Deduct	*-212.63*	
		For Work In Restricted Working Space, Add	*214.28*	
23 21 13 23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,251.49	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*283.48*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,465.25	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*347.61*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,826.57	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*456.01*	
		For Concentric Reducers, Deduct	*-304.23*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,245.43	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*281.67*	
		For Concentric Reducers, Deduct	*-118.27*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,683.15	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*397.45*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,795.72	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*431.22*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,917.99	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*767.90*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0528	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,160.21	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*527.13*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0529	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,491.61	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*626.55*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0530	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,620.61	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*665.25*	
		For Concentric Reducers, Deduct	*-470.04*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0531	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,073.89	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,101.23*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0532	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,797.06	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,318.19*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0533	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,132.96	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*801.68*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,642.03	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*354.40*	
		For Concentric Reducers, Deduct	*-104.24*	
		For Work In Restricted Working Space, Add	*394.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,307.10	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*853.92*	
		For Concentric Reducers, Deduct	*-637.06*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,563.85	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*930.95*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,734.47	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,582.13*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0538	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,767.84	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*974.31*	
		For Concentric Reducers, Deduct	*-730.15*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0539	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,761.95	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*972.54*	
		For Concentric Reducers, Deduct	*-728.27*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0540	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	6,633.51	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,834.01*	
		For Concentric Reducers, Deduct	*-1,647.17*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0541	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	7,785.32	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,179.55*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	9,513.10	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,697.89*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,527.37	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,196.97*	
		For Concentric Reducers, Deduct	*-957.35*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,875.49	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,301.40*	
		For Concentric Reducers, Deduct	*-1,068.75*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	6,492.89	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,786.62*	
		For Concentric Reducers, Deduct	*-1,586.32*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	9,502.74	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,689.58*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	11,759.57	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*3,366.63*	
		For Work In Restricted Working Space, Add	*460.70*	

23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	121.01	46.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.99*	
		For Work In Restricted Working Space, Add	*20.89*	
23 21 13 23-0550	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	127.79	50.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.31*	
		For Work In Restricted Working Space, Add	*22.92*	
23 21 13 23-0551	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	126.01	49.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.97*	
		For Work In Restricted Working Space, Add	*22.39*	
23 21 13 23-0552	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	136.00	56.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.91*	
		For Work In Restricted Working Space, Add	*25.39*	
23 21 13 23-0553	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	131.01	53.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.94*	
		For Work In Restricted Working Space, Add	*23.89*	
23 21 13 23-0554	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	129.23	51.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.59*	
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	133.94	67.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.57*	
		For Work In Restricted Working Space, Add	*30.32*	
23 21 13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	130.72	65.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.94*	
		For Work In Restricted Working Space, Add	*29.35*	
23 21 13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	138.37	61.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.76*	
		For Work In Restricted Working Space, Add	*27.85*	
23 21 13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	170.71	85.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.72*	
		For Work In Restricted Working Space, Add	*38.56*	
23 21 13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	168.88	76.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.55*	
		For Work In Restricted Working Space, Add	*34.60*	
23 21 13 23-0560	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	183.79	74.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.36*	
		For Work In Restricted Working Space, Add	*33.64*	
23 21 13 23-0561	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	178.44	96.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.38*	
		For Work In Restricted Working Space, Add	*43.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	180.97	96.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.14*	
		For Work In Restricted Working Space, Add	*43.29*	
23 21 13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	186.46	96.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.79*	
		For Work In Restricted Working Space, Add	*43.29*	
23 21 13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	294.47	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.03*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	304.17	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.94*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	304.17	167.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.94*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	500.07	272.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*107.17*	
		For Work In Restricted Working Space, Add	*122.44*	
23 21 13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	519.45	272.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*112.98*	
		For Work In Restricted Working Space, Add	*122.44*	
23 21 13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	741.68	414.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*157.29*	
		For Work In Restricted Working Space, Add	*186.33*	
23 21 13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	776.26	414.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*167.66*	
		For Work In Restricted Working Space, Add	*186.33*	
23 21 13 23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	948.26	476.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*209.48*	
		For Work In Restricted Working Space, Add	*214.28*	
23 21 13 23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	933.92	476.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*205.18*	
		For Work In Restricted Working Space, Add	*214.28*	
23 21 13 23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,114.37	476.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*259.31*	
		For Work In Restricted Working Space, Add	*214.28*	
23 21 13 23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,165.07	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*257.56*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,208.39	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*270.55*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,224.08	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*275.26*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,684.06	584.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*413.25*	
		For Work In Restricted Working Space, Add	*262.75*	
23 21 13 23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,458.86	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*330.16*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,619.49	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*378.35*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,759.04	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*420.22*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0581	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,298.37	682.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*582.02*	
		For Work In Restricted Working Space, Add	*307.13*	
23 21 13 23-0582	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,913.16	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*453.02*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0583	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,913.16	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*453.02*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0584	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,993.26	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*477.05*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0585	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,259.29	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*556.85*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0586	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,361.05	768.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*887.38*	
		For Work In Restricted Working Space, Add	*345.52*	
23 21 13 23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,148.10	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*506.22*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,353.43	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*567.82*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,439.43	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*593.62*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,673.41	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*663.81*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	5,362.33	877.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,470.49*	
		For Work In Restricted Working Space, Add	*394.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,913.66	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*718.06*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,913.66	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*718.06*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,972.27	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*735.64*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,319.26	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*839.74*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,922.98	991.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,020.85*	
		For Work In Restricted Working Space, Add	*445.83*	
23 21 13 23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,150.42	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*783.88*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,187.09	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*794.88*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,258.76	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*816.38*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,918.20	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,314.22*	
		For Work In Restricted Working Space, Add	*460.70*	
23 21 13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	5,245.79	1,024.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,412.49*	
		For Work In Restricted Working Space, Add	*460.70*	

23 21 13 23-0602 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap	47.19	23.86
		For Schedule 80 Fittings, Add	*9.69*	
		For Work In Restricted Working Space, Add	*10.72*	
23 21 13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	51.47	26.21
		For Schedule 80 Fittings, Add	*10.53*	
		For Work In Restricted Working Space, Add	*11.78*	
23 21 13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	53.62	27.14
		For Schedule 80 Fittings, Add	*11.00*	
		For Work In Restricted Working Space, Add	*12.21*	
23 21 13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap	65.06	34.79
		For Schedule 80 Fittings, Add	*13.00*	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	75.77	41.93
		For Schedule 80 Fittings, Add	*14.87*	
		For Work In Restricted Working Space, Add	*18.86*	
23 21 13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap	91.15	48.36
		For Schedule 80 Fittings, Add	*18.28*	
		For Work In Restricted Working Space, Add	*21.75*	
23 21 13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap	150.11	83.57
		For Schedule 80 Fittings, Add	*29.37*	
		For Work In Restricted Working Space, Add	*37.59*	
23 21 13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap	254.16	138.07
		For Schedule 80 Fittings, Add	*50.37*	
		For Work In Restricted Working Space, Add	*62.11*	
23 21 13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap	419.12	232.42
		For Schedule 80 Fittings, Add	*82.18*	
		For Work In Restricted Working Space, Add	*104.52*	
23 21 13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap	490.35	244.35
		For Schedule 80 Fittings, Add	*101.32*	
		For Work In Restricted Working Space, Add	*109.89*	
23 21 13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap	583.68	285.84
		For Schedule 80 Fittings, Add	*121.53*	
		For Work In Restricted Working Space, Add	*128.57*	
23 21 13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap	803.48	341.41
		For Schedule 80 Fittings, Add	*177.06*	
		For Work In Restricted Working Space, Add	*153.57*	
23 21 13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap	933.15	396.48
		For Schedule 80 Fittings, Add	*205.64*	
		For Work In Restricted Working Space, Add	*178.34*	
23 21 13 23-0616	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,047.68	439.01
		For Schedule 80 Fittings, Add	*232.04*	
		For Work In Restricted Working Space, Add	*197.44*	

23 21 13 23-0617 150 LB, Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: 150 LB.

23 21 13 23-0618	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	113.67	53.85
		For 300 LB Rating, Add	*31.53*	
		For Work In Restricted Working Space, Add	*24.22*	
23 21 13 23-0619	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	133.68	67.21
		For 300 LB Rating, Add	*33.63*	
		For Work In Restricted Working Space, Add	*30.23*	
23 21 13 23-0620	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange	148.16	76.86
		For 300 LB Rating, Add	*35.17*	
		For Work In Restricted Working Space, Add	*34.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0621	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange	193.97	101.35
		For 300 LB Rating, Add	*45.36*	
		For Work In Restricted Working Space, Add	*45.59*	
23 21 13 23-0622	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange	295.03	153.71
		For 300 LB Rating, Add	*69.43*	
		For Work In Restricted Working Space, Add	*69.12*	
23 21 13 23-0623	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange	350.23	166.13
		For 300 LB Rating, Add	*96.99*	
		For Work In Restricted Working Space, Add	*74.71*	
23 21 13 23-0624	EA	10" , 150 LB, Welded Plain End Black Steel Neck Flange	460.21	208.31
		For 300 LB Rating, Add	*136.30*	
		For Work In Restricted Working Space, Add	*93.70*	
23 21 13 23-0625	EA	12" , 150 LB, Welded Plain End Black Steel Neck Flange	569.98	236.38
		For 300 LB Rating, Add	*188.13*	
		For Work In Restricted Working Space, Add	*106.31*	
23 21 13 23-0626	EA	14" , 150 LB, Welded Plain End Black Steel Neck Flange	755.86	285.84
		For 300 LB Rating, Add	*274.11*	
		For Work In Restricted Working Space, Add	*128.57*	
23 21 13 23-0627	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange	1,009.41	332.20
		For 300 LB Rating, Add	*410.25*	
		For Work In Restricted Working Space, Add	*149.42*	
23 21 13 23-0628	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange	1,268.33	372.46
		For 300 LB Rating, Add	*555.57*	
		For Work In Restricted Working Space, Add	*167.53*	
23 21 13 23-0629	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange	1,607.90	472.74
		For 300 LB Rating, Add	*703.82*	
		For Work In Restricted Working Space, Add	*212.63*	
23 21 13 23-0630	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange	1,835.54	512.16
		For 300 LB Rating, Add	*828.02*	
		For Work In Restricted Working Space, Add	*230.35*	

23 21 13 23-0631 150 LB, Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

23 21 13 23-0632	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	80.30	53.85
		For 300 LB Rating, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.29*	
23 21 13 23-0633	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	99.12	67.21
		For 300 LB Rating, Add	*26.74*	
		For Work In Restricted Working Space, Add	*23.57*	
23 21 13 23-0634	EA	3", 150 LB, Welded Black Steel Slip-On Flange	117.04	76.86
		For 300 LB Rating, Add	*31.52*	
		For Work In Restricted Working Space, Add	*27.86*	
23 21 13 23-0635	EA	4", 150 LB, Welded Black Steel Slip-On Flange	154.42	101.35
		For 300 LB Rating, Add	*42.45*	
		For Work In Restricted Working Space, Add	*36.43*	
23 21 13 23-0636	EA	6", 150 LB, Welded Black Steel Slip-On Flange	229.35	153.71
		For 300 LB Rating, Add	*64.45*	
		For Work In Restricted Working Space, Add	*53.57*	
23 21 13 23-0637	EA	8", 150 LB, Welded Black Steel Slip-On Flange	304.06	166.13
		For 300 LB Rating, Add	*93.35*	
		For Work In Restricted Working Space, Add	*68.04*	
23 21 13 23-0638	EA	10", 150 LB, Welded Black Steel Slip-On Flange	416.89	208.31
		For 300 LB Rating, Add	*149.81*	
		For Work In Restricted Working Space, Add	*85.05*	
23 21 13 23-0639	EA	12", 150 LB, Welded Black Steel Slip-On Flange	550.65	236.38
		For 300 LB Rating, Add	*225.12*	
		For Work In Restricted Working Space, Add	*102.06*	
23 21 13 23-0640	EA	14", 150 LB, Welded Black Steel Slip-On Flange	704.37	285.84
		For 300 LB Rating, Add	*318.40*	
		For Work In Restricted Working Space, Add	*119.07*	
23 21 13 23-0641	EA	16", 150 LB, Welded Black Steel Slip-On Flange	853.40	332.20
		For 300 LB Rating, Add	*418.71*	
		For Work In Restricted Working Space, Add	*131.83*	
23 21 13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange	946.11	372.46
		For 300 LB Rating, Add	*468.35*	
		For Work In Restricted Working Space, Add	*144.59*	
23 21 13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange	1,052.08	472.74
		For 300 LB Rating, Add	*529.90*	
		For Work In Restricted Working Space, Add	*157.35*	
23 21 13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange	1,202.34	512.16
		For 300 LB Rating, Add	*597.52*	
		For Work In Restricted Working Space, Add	*182.86*	

23 21 13 23-0645 150 LB, Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange	56.82	19.13
		For 300 LB Rating, Add	*18.88*	
		For 600 LB Rating, Add	*50.33*	
		For Work In Restricted Working Space, Add	*11.47*	
23 21 13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange	76.02	22.94
		For 300 LB Rating, Add	*28.92*	
		For 600 LB Rating, Add	*79.20*	
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange	92.35	30.59
		For 300 LB Rating, Add	*31.36*	
		For 600 LB Rating, Add	*83.99*	
		For Work In Restricted Working Space, Add	*18.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange	119.44	38.24
		For 300 LB Rating, Add	*42.40*	
		For 600 LB Rating, Add	*114.58*	
		For Work In Restricted Working Space, Add	*22.94*	
23 21 13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange	164.53	49.72
		For 300 LB Rating, Add	*62.52*	
		For 600 LB Rating, Add	*171.15*	
		For Work In Restricted Working Space, Add	*29.83*	
23 21 13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange	217.99	57.37
		For 300 LB Rating, Add	*94.65*	
		For 600 LB Rating, Add	*265.03*	
		For Work In Restricted Working Space, Add	*34.42*	
23 21 13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange	339.33	68.83
		For 300 LB Rating, Add	*175.78*	
		For 600 LB Rating, Add	*504.61*	
		For Work In Restricted Working Space, Add	*41.30*	
23 21 13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange	446.04	80.31
		For 300 LB Rating, Add	*245.20*	
		For 600 LB Rating, Add	*709.10*	
		For Work In Restricted Working Space, Add	*48.19*	
23 21 13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange	771.22	91.78
		For 300 LB Rating, Add	*489.40*	
		For Work In Restricted Working Space, Add	*55.07*	
23 21 13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange	825.94	103.25
		For 300 LB Rating, Add	*517.23*	
		For Work In Restricted Working Space, Add	*61.95*	
23 21 13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange	925.18	126.20
		For 300 LB Rating, Add	*564.73*	
		For Work In Restricted Working Space, Add	*75.72*	
23 21 13 23-0657	EA	20", 150 LB, Forged Steel Blind Flange	1,196.49	137.68
		For 300 LB Rating, Add	*765.83*	
		For Work In Restricted Working Space, Add	*82.60*	
23 21 13 23-0658	EA	24", 150 LB, Forged Steel Blind Flange	1,640.02	160.62
		For 300 LB Rating, Add	*1,088.75*	
		For Work In Restricted Working Space, Add	*96.37*	

23 21 13 23-0659 3,000 LB, Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0660	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let	53.42	
		For Weld-O-Lets, Add	*4.22*	
		For Sock-O-Lets, Add	*20.72*	
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-0661	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let	57.04	
		For Weld-O-Lets, Add	*4.95*	
		For Sock-O-Lets, Add	*22.17*	
		For Work In Restricted Working Space, Add	*14.14*	
23 21 13 23-0662	EA	1", 3,000 LB, Forge Steel Thread-O-Let	61.10	
		For Weld-O-Lets, Add	*5.55*	
		For Sock-O-Lets, Add	*23.77*	
		For Work In Restricted Working Space, Add	*15.00*	
23 21 13 23-0663	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let	69.31	
		For Weld-O-Lets, Add	*7.87*	
		For Sock-O-Lets, Add	*27.12*	
		For Work In Restricted Working Space, Add	*16.07*	
23 21 13 23-0664	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let	76.45	
		For Weld-O-Lets, Add	*7.87*	
		For Sock-O-Lets, Add	*29.84*	
		For Work In Restricted Working Space, Add	*18.21*	
23 21 13 23-0665	EA	2", 3,000 LB, Forge Steel Thread-O-Let	99.05	
		For Weld-O-Lets, Add	*9.85*	
		For Sock-O-Lets, Add	*38.62*	
		For Work In Restricted Working Space, Add	*23.81*	
23 21 13 23-0666	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	173.47	
		For Weld-O-Lets, Add	*35.72*	
		For Sock-O-Lets, Add	*69.49*	
		For Work In Restricted Working Space, Add	*30.61*	
23 21 13 23-0667	EA	3", 3,000 LB, Forge Steel Thread-O-Let	214.71	
		For Weld-O-Lets, Add	*35.93*	
		For Sock-O-Lets, Add	*85.18*	
		For Work In Restricted Working Space, Add	*42.86*	
23 21 13 23-0668	EA	4", 3,000 LB, Forge Steel Thread-O-Let	319.23	
		For Weld-O-Lets, Add	*70.33*	
		For Sock-O-Lets, Add	*128.34*	
		For Work In Restricted Working Space, Add	*53.57*	

23 21 13 23-0669 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0670	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	12.95	
		For Zinc Plated, Add	*3.63*	
		For Hot Dip Galvanized, Add	*5.18*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.07*	
23 21 13 23-0671	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	16.51	
		For Zinc Plated, Add	*4.62*	
		For Hot Dip Galvanized, Add	*6.60*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0672	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	16.67	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.67*	
		For Hot Dip Galvanized, Add	*6.67*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.67*	
23 21 13 23-0673	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	16.73	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.68*	
		For Hot Dip Galvanized, Add	*6.69*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.71*	
23 21 13 23-0674	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	37.87	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*10.60*	
		For Hot Dip Galvanized, Add	*15.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*26.51*	
23 21 13 23-0675	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	54.13	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*15.16*	
		For Hot Dip Galvanized, Add	*21.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*37.89*	
23 21 13 23-0676	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	58.47	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*16.37*	
		For Hot Dip Galvanized, Add	*23.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*40.93*	
23 21 13 23-0677	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	63.91	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*17.89*	
		For Hot Dip Galvanized, Add	*25.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.74*	
23 21 13 23-0678	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	141.95	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*39.75*	
		For Hot Dip Galvanized, Add	*56.78*	
		For Advanced Fluoropolymer (Blue Coating), Add	*99.37*	
23 21 13 23-0679	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	144.25	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*40.39*	
		For Hot Dip Galvanized, Add	*57.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*100.98*	
23 21 13 23-0680	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	161.74	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*45.29*	
		For Hot Dip Galvanized, Add	*64.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*113.22*	
23 21 13 23-0681	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	269.60	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*75.49*	
		For Hot Dip Galvanized, Add	*107.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*188.72*	
23 21 13 23-0682	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	389.57	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*109.08*	
		For Hot Dip Galvanized, Add	*155.83*	
		For Advanced Fluoropolymer (Blue Coating), Add	*272.70*	
23 21 13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	492.10	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*137.79*	
		For Hot Dip Galvanized, Add	*196.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*344.47*	
23 21 13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	702.14	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*196.60*	
		For Hot Dip Galvanized, Add	*280.86*	
		For Advanced Fluoropolymer (Blue Coating), Add	*491.50*	
23 21 13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,108.75	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*310.45*	
		For Hot Dip Galvanized, Add	*443.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*776.13*	
23 21 13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,578.93	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*442.10*	
		For Hot Dip Galvanized, Add	*631.57*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,105.25*	

23 21 13 23-0687 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	20.22	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.66*	
		For Hot Dip Galvanized, Add	*8.09*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.15*	
23 21 13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	37.96	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*10.63*	
		For Hot Dip Galvanized, Add	*15.18*	
		For Advanced Fluoropolymer (Blue Coating), Add	*26.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	59.64	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*16.70*	
		For Hot Dip Galvanized, Add	*23.86*	
		For Advanced Fluoropolymer (Blue Coating), Add	*41.75*	
23 21 13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	64.79	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*18.14*	
		For Hot Dip Galvanized, Add	*25.92*	
		For Advanced Fluoropolymer (Blue Coating), Add	*45.35*	
23 21 13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	66.09	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*18.51*	
		For Hot Dip Galvanized, Add	*26.44*	
		For Advanced Fluoropolymer (Blue Coating), Add	*46.26*	
23 21 13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	70.02	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.61*	
		For Hot Dip Galvanized, Add	*28.01*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.01*	
23 21 13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	101.90	
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*28.53*	
		For Hot Dip Galvanized, Add	*40.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*71.33*	
23 21 13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	158.41	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*44.35*	
		For Hot Dip Galvanized, Add	*63.36*	
		For Advanced Fluoropolymer (Blue Coating), Add	*110.89*	
23 21 13 23-0696	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	291.75	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*81.69*	
		For Hot Dip Galvanized, Add	*116.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*204.23*	
23 21 13 23-0697	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	421.93	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*118.14*	
		For Hot Dip Galvanized, Add	*168.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*295.35*	
23 21 13 23-0698	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	578.06	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*161.86*	
		For Hot Dip Galvanized, Add	*231.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*404.64*	
23 21 13 23-0699	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	799.24	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*223.79*	
		For Hot Dip Galvanized, Add	*319.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*559.47*	
23 21 13 23-0700	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,025.73	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*287.20*	
		For Hot Dip Galvanized, Add	*410.29*	
		For Advanced Fluoropolymer (Blue Coating), Add	*718.01*	
23 21 13 23-0701	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,087.97	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*304.63*	
		For Hot Dip Galvanized, Add	*435.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*761.58*	
23 21 13 23-0702	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,377.88	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*385.81*	
		For Hot Dip Galvanized, Add	*551.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*964.52*	
23 21 13 23-0703	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	2,160.78	
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*605.02*	
		For Hot Dip Galvanized, Add	*864.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,512.55*	
23 21 13 23-0704	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	3,288.28	
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*920.72*	
		For Hot Dip Galvanized, Add	*1,315.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,301.80*	

23 21 13 23-0705 150 LB, Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.

23 21 13 23-0706	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	21.46	
		For 300 LB Rating Gasket Set, Add	*0.11*	
		For 150 LB Rating Teflon Gasket Set, Add	*2.47*	
		For 300 LB Rating Teflon Gasket Set, Add	*2.85*	
		For Work In Restricted Working Space, Add	*6.34*	
23 21 13 23-0707	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	22.99	
		For 300 LB Rating Gasket Set, Add	*0.15*	
		For 150 LB Rating Teflon Gasket Set, Add	*3.32*	
		For 300 LB Rating Teflon Gasket Set, Add	*3.83*	
		For Work In Restricted Working Space, Add	*6.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0708	EA	1", 150 LB, Rubber Flange Gasket Replacement	25.41	
		For 300 LB Rating Gasket Set, Add	*0.26*	
		For 150 LB Rating Teflon Gasket Set, Add	*5.80*	
		For 300 LB Rating Teflon Gasket Set, Add	*6.68*	
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-0709	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	27.64	
		For 300 LB Rating Gasket Set, Add	*0.30*	
		For 150 LB Rating Teflon Gasket Set, Add	*6.65*	
		For 300 LB Rating Teflon Gasket Set, Add	*7.65*	
		For Work In Restricted Working Space, Add	*8.03*	
23 21 13 23-0710	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	30.68	
		For 300 LB Rating Gasket Set, Add	*0.38*	
		For 150 LB Rating Teflon Gasket Set, Add	*8.35*	
		For 300 LB Rating Teflon Gasket Set, Add	*9.61*	
		For Work In Restricted Working Space, Add	*8.88*	
23 21 13 23-0711	EA	2", 150 LB, Rubber Flange Gasket Replacement	33.93	
		For 300 LB Rating Gasket Set, Add	*0.53*	
		For 150 LB Rating Teflon Gasket Set, Add	*11.67*	
		For 300 LB Rating Teflon Gasket Set, Add	*13.44*	
		For Work In Restricted Working Space, Add	*9.73*	
23 21 13 23-0712	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	40.10	
		For 300 LB Rating Gasket Set, Add	*0.72*	
		For 150 LB Rating Teflon Gasket Set, Add	*15.85*	
		For 300 LB Rating Teflon Gasket Set, Add	*18.25*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0713	EA	3", 150 LB, Rubber Flange Gasket Replacement	42.54	
		For 300 LB Rating Gasket Set, Add	*0.83*	
		For 150 LB Rating Teflon Gasket Set, Add	*18.32*	
		For 300 LB Rating Teflon Gasket Set, Add	*21.09*	
		For Work In Restricted Working Space, Add	*12.05*	
23 21 13 23-0714	EA	4", 150 LB, Rubber Flange Gasket Replacement	56.74	
		For 300 LB Rating Gasket Set, Add	*1.36*	
		For 150 LB Rating Teflon Gasket Set, Add	*29.99*	
		For 300 LB Rating Teflon Gasket Set, Add	*34.53*	
		For Work In Restricted Working Space, Add	*15.86*	
23 21 13 23-0715	EA	5", 150 LB, Rubber Flange Gasket Replacement	65.63	
		For 300 LB Rating Gasket Set, Add	*1.51*	
		For 150 LB Rating Teflon Gasket Set, Add	*33.32*	
		For 300 LB Rating Teflon Gasket Set, Add	*38.36*	
		For Work In Restricted Working Space, Add	*18.40*	
23 21 13 23-0716	EA	6", 150 LB, Rubber Flange Gasket Replacement	75.37	
		For 300 LB Rating Gasket Set, Add	*1.96*	
		For 150 LB Rating Teflon Gasket Set, Add	*43.29*	
		For 300 LB Rating Teflon Gasket Set, Add	*49.84*	
		For Work In Restricted Working Space, Add	*20.93*	
23 21 13 23-0717	EA	8", 150 LB, Rubber Flange Gasket Replacement	92.77	
		For 300 LB Rating Gasket Set, Add	*2.87*	
		For 150 LB Rating Teflon Gasket Set, Add	*63.31*	
		For 300 LB Rating Teflon Gasket Set, Add	*72.89*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0718	EA	10", 150 LB, Rubber Flange Gasket Replacement	101.85	
		For 300 LB Rating Gasket Set, Add	*4.07*	
		For 150 LB Rating Teflon Gasket Set, Add	*89.98*	
		For 300 LB Rating Teflon Gasket Set, Add	*103.60*	
		For Work In Restricted Working Space, Add	*27.06*	
23 21 13 23-0719	EA	12", 150 LB, Rubber Flange Gasket Replacement	117.06	
		For 300 LB Rating Gasket Set, Add	*5.20*	
		For 150 LB Rating Teflon Gasket Set, Add	*114.95*	
		For 300 LB Rating Teflon Gasket Set, Add	*132.34*	
		For Work In Restricted Working Space, Add	*30.66*	
23 21 13 23-0720	EA	14", 150 LB, Rubber Flange Gasket Replacement	123.50	
		For 300 LB Rating Gasket Set, Add	*6.22*	
		For 150 LB Rating Teflon Gasket Set, Add	*137.44*	
		For 300 LB Rating Teflon Gasket Set, Add	*158.24*	
		For Work In Restricted Working Space, Add	*31.72*	
23 21 13 23-0721	EA	16", 150 LB, Rubber Flange Gasket Replacement	160.78	
		For 300 LB Rating Gasket Set, Add	*6.94*	
		For 150 LB Rating Teflon Gasket Set, Add	*153.29*	
		For 300 LB Rating Teflon Gasket Set, Add	*176.49*	
		For Work In Restricted Working Space, Add	*42.29*	
23 21 13 23-0722	EA	18", 150 LB, Rubber Flange Gasket Replacement	175.02	
		For 300 LB Rating Gasket Set, Add	*7.24*	
		For 150 LB Rating Teflon Gasket Set, Add	*159.93*	
		For 300 LB Rating Teflon Gasket Set, Add	*184.14*	
		For Work In Restricted Working Space, Add	*46.30*	
23 21 13 23-0723	EA	20", 150 LB, Rubber Flange Gasket Replacement	210.36	
		For 300 LB Rating Gasket Set, Add	*7.77*	
		For 150 LB Rating Teflon Gasket Set, Add	*171.61*	
		For 300 LB Rating Teflon Gasket Set, Add	*197.58*	
		For Work In Restricted Working Space, Add	*56.45*	

23 21 13 23-0724 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0725	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	15.29	
		For Work In Restricted Working Space, Add	*4.59*	
23 21 13 23-0726	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	16.52	
		For Work In Restricted Working Space, Add	*4.96*	
23 21 13 23-0727	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	18.57	
		For Work In Restricted Working Space, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0728	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	19.50	
		For Work In Restricted Working Space, Add	*5.85*	
23 21 13 23-0729	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.64	
		For Work In Restricted Working Space, Add	*6.19*	
23 21 13 23-0730	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	22.17	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0731	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.70	
		For Work In Restricted Working Space, Add	*7.11*	
23 21 13 23-0732	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.00	
		For Work In Restricted Working Space, Add	*7.80*	
23 21 13 23-0733	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.28	
		For Work In Restricted Working Space, Add	*8.48*	
23 21 13 23-0734	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.58	
		For Work In Restricted Working Space, Add	*9.17*	
23 21 13 23-0735	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.88	
		For Work In Restricted Working Space, Add	*9.86*	
23 21 13 23-0736	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.94	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0737	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.99	
		For Work In Restricted Working Space, Add	*11.70*	
23 21 13 23-0738	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	42.05	
		For Work In Restricted Working Space, Add	*12.62*	
23 21 13 23-0739	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.10	
		For Work In Restricted Working Space, Add	*13.53*	
23 21 13 23-0740	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.40	
		For Work In Restricted Working Space, Add	*14.22*	
23 21 13 23-0741	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.70	
		For Work In Restricted Working Space, Add	*14.91*	
23 21 13 23-0742	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	52.75	
		For Work In Restricted Working Space, Add	*15.83*	

23 21 13 23-0743 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0744	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	16.04	7.86
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0745	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	17.74	8.57
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0746	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	18.62	8.43
		For Work In Restricted Working Space, Add	*3.78*	
23 21 13 23-0747	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	23.31	10.71
		For Work In Restricted Working Space, Add	*4.82*	
23 21 13 23-0748	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	37.83	15.86
		For Work In Restricted Working Space, Add	*7.13*	
23 21 13 23-0749	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	48.92	19.35
		For Work In Restricted Working Space, Add	*8.72*	
23 21 13 23-0750	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	65.65	24.10
		For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-0751	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	79.65	29.06
		For Work In Restricted Working Space, Add	*13.07*	
23 21 13 23-0752	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	101.84	37.70
		For Work In Restricted Working Space, Add	*16.97*	

23 21 13 23-0753 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.

23 21 13 23-0754 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0753)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0755 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0754)*

23 21 13 23-0756	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	377.04	32.89
		For Galvanized Fittings, Add	*262.18*	
		For Extra Heavy Weight Fittings, Add	*393.28*	
23 21 13 23-0757	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	420.55	36.63
		For Galvanized Fittings, Add	*292.49*	
		For Extra Heavy Weight Fittings, Add	*438.73*	
23 21 13 23-0758	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	416.30	40.43
		For Galvanized Fittings, Add	*284.58*	
		For Extra Heavy Weight Fittings, Add	*426.88*	
23 21 13 23-0759	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	529.92	46.98
		For Galvanized Fittings, Add	*367.58*	
		For Extra Heavy Weight Fittings, Add	*551.38*	
23 21 13 23-0760	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	745.88	52.61
		For Galvanized Fittings, Add	*533.59*	
		For Extra Heavy Weight Fittings, Add	*800.39*	
23 21 13 23-0761	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	786.55	61.07
		For Galvanized Fittings, Add	*555.99*	
		For Extra Heavy Weight Fittings, Add	*833.99*	
23 21 13 23-0762	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,001.77	67.62
		For Galvanized Fittings, Add	*720.27*	
		For Extra Heavy Weight Fittings, Add	*1,080.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0763 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0754)*

23 21 13 23-0764	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	714.17	34.80
		For Galvanized Fittings, Add	*529.64*	
		For Extra Heavy Weight Fittings, Add	*794.46*	
23 21 13 23-0765	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	742.86	38.53
		For Galvanized Fittings, Add	*548.09*	
		For Extra Heavy Weight Fittings, Add	*822.13*	
23 21 13 23-0766	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	926.82	43.68
		For Galvanized Fittings, Add	*689.06*	
		For Extra Heavy Weight Fittings, Add	*1,033.58*	
23 21 13 23-0767	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,150.09	46.49
		For Galvanized Fittings, Add	*864.29*	
		For Extra Heavy Weight Fittings, Add	*1,296.43*	
23 21 13 23-0768	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,309.58	54.02
		For Galvanized Fittings, Add	*982.86*	
		For Extra Heavy Weight Fittings, Add	*1,474.30*	
23 21 13 23-0769	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,830.68	64.37
		For Galvanized Fittings, Add	*1,387.34*	
		For Extra Heavy Weight Fittings, Add	*2,081.02*	

23 21 13 23-0770 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0754)*

23 21 13 23-0771	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	495.62	32.89
		For Galvanized Fittings, Add	*357.05*	
		For Extra Heavy Weight Fittings, Add	*535.57*	
23 21 13 23-0772	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	516.07	36.63
		For Galvanized Fittings, Add	*368.90*	
		For Extra Heavy Weight Fittings, Add	*553.36*	
23 21 13 23-0773	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	534.87	40.43
		For Galvanized Fittings, Add	*379.44*	
		For Extra Heavy Weight Fittings, Add	*569.16*	
23 21 13 23-0774	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	668.26	46.98
		For Galvanized Fittings, Add	*478.26*	
		For Extra Heavy Weight Fittings, Add	*717.38*	
23 21 13 23-0775	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	969.86	52.61
		For Galvanized Fittings, Add	*712.78*	
		For Extra Heavy Weight Fittings, Add	*1,069.16*	
23 21 13 23-0776	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	941.35	61.07
		For Galvanized Fittings, Add	*679.83*	
		For Extra Heavy Weight Fittings, Add	*1,019.75*	
23 21 13 23-0777	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,112.02	67.62
		For Galvanized Fittings, Add	*808.47*	
		For Extra Heavy Weight Fittings, Add	*1,212.71*	

23 21 13 23-0778 Flanged Steel, Tees *(23 21 13 23-0754)*

23 21 13 23-0779	EA	2" Standard Weight, Flanged Steel, Tee	480.74	49.31
		For Galvanized Fittings, Add	*325.42*	
		For Extra Heavy Weight Fittings, Add	*488.14*	
23 21 13 23-0780	EA	2-1/2" Standard Weight, Flanged Steel, Tee	624.24	54.94
		For Galvanized Fittings, Add	*433.46*	
		For Extra Heavy Weight Fittings, Add	*650.20*	
23 21 13 23-0781	EA	3" Standard Weight, Flanged Steel, Tee	565.17	60.57
		For Galvanized Fittings, Add	*379.45*	
		For Extra Heavy Weight Fittings, Add	*569.17*	
23 21 13 23-0782	EA	4" Standard Weight, Flanged Steel, Tee	813.80	70.51
		For Galvanized Fittings, Add	*566.52*	
		For Extra Heavy Weight Fittings, Add	*849.78*	
23 21 13 23-0783	EA	5" Standard Weight, Flanged Steel, Tee	1,219.06	78.96
		For Galvanized Fittings, Add	*880.58*	
		For Extra Heavy Weight Fittings, Add	*1,320.88*	
23 21 13 23-0784	EA	6" Standard Weight, Flanged Steel, Tee	1,489.65	91.63
		For Galvanized Fittings, Add	*1,081.85*	
		For Extra Heavy Weight Fittings, Add	*1,622.77*	
23 21 13 23-0785	EA	8" Standard Weight, Flanged Steel, Tee	1,647.50	106.14
		For Galvanized Fittings, Add	*1,190.66*	
		For Extra Heavy Weight Fittings, Add	*1,785.98*	

23 21 13 23-0786 Flanged Steel, Reducing Tees *(23 21 13 23-0754)*

23 21 13 23-0787	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	769.64	53.11
		For Galvanized Fittings, Add	*552.04*	
		For Extra Heavy Weight Fittings, Add	*828.06*	
23 21 13 23-0788	EA	3" Standard Weight, Flanged Steel, Reducing Tee	890.09	58.74
		For Galvanized Fittings, Add	*641.63*	
		For Extra Heavy Weight Fittings, Add	*962.45*	
23 21 13 23-0789	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,544.94	67.20
		For Galvanized Fittings, Add	*1,155.38*	
		For Extra Heavy Weight Fittings, Add	*1,733.06*	
23 21 13 23-0790	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,668.58	76.14
		For Galvanized Fittings, Add	*1,243.58*	
		For Extra Heavy Weight Fittings, Add	*1,865.36*	
23 21 13 23-0791	EA	6" Standard Weight, Flanged Steel, Reducing Tee	2,100.74	87.41
		For Galvanized Fittings, Add	*1,575.78*	
		For Extra Heavy Weight Fittings, Add	*2,363.68*	
23 21 13 23-0792	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,627.43	98.18
		For Galvanized Fittings, Add	*1,984.18*	
		For Extra Heavy Weight Fittings, Add	*2,976.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0793 Flanged Steel, Concentric Reducers *(23 21 13 23-0754)*

23 21 13 23-0794	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	732.98	38.53
		For Galvanized Fittings, Add	*540.18*	
		For Extra Heavy Weight Fittings, Add	*810.28*	
23 21 13 23-0795	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	832.95	43.68
		For Galvanized Fittings, Add	*613.96*	
		For Extra Heavy Weight Fittings, Add	*920.94*	
23 21 13 23-0796	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,242.31	49.80
		For Galvanized Fittings, Add	*934.12*	
		For Extra Heavy Weight Fittings, Add	*1,401.18*	
23 21 13 23-0797	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,370.52	54.02
		For Galvanized Fittings, Add	*1,031.62*	
		For Extra Heavy Weight Fittings, Add	*1,547.42*	
23 21 13 23-0798	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,605.05	64.37
		For Galvanized Fittings, Add	*1,206.84*	
		For Extra Heavy Weight Fittings, Add	*1,810.26*	

23 21 13 23-0799 Flanged Steel, Eccentric Reducers *(23 21 13 23-0754)*

23 21 13 23-0800	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	791.45	43.68
		For Galvanized Fittings, Add	*580.76*	
		For Extra Heavy Weight Fittings, Add	*871.14*	
23 21 13 23-0801	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	1,079.92	49.80
		For Galvanized Fittings, Add	*804.21*	
		For Extra Heavy Weight Fittings, Add	*1,206.31*	

23 21 13 23-0802 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0803 Plain End Piping System Couplings *(23 21 13 23-0802)*

23 21 13 23-0804 Plainlock Plain End Piping System Couplings *(23 21 13 23-0803)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0805	EA	1" Plainlock Plain End Piping System Coupling	181.81	4.22
		For Galvanized Fittings, Add	*35.09*	
23 21 13 23-0806	EA	1-1/2" Plainlock Plain End Piping System Coupling	184.28	5.84
		For Galvanized Fittings, Add	*35.09*	
23 21 13 23-0807	EA	2" Plainlock Plain End Piping System Coupling	187.13	7.75
		For Galvanized Fittings, Add	*35.09*	
23 21 13 23-0808	EA	2-1/2" Plainlock Plain End Piping System Coupling	189.56	9.37
		For Galvanized Fittings, Add	*35.09*	
23 21 13 23-0809	EA	3" Plainlock Plain End Piping System Coupling	224.00	11.27
		For Galvanized Fittings, Add	*41.42*	
23 21 13 23-0810	EA	4" Plainlock Plain End Piping System Coupling	309.47	15.01
		For Galvanized Fittings, Add	*57.39*	
23 21 13 23-0811	EA	6" Plainlock Plain End Piping System Coupling	521.13	24.44
		For Galvanized Fittings, Add	*96.90*	

23 21 13 23-0812 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0803)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0813	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	218.36	5.84
		For Galvanized Fittings, Add	*52.39*	
23 21 13 23-0814	EA	2" Roust-A-Bout Plain End Piping System Coupling	221.21	7.75
		For Galvanized Fittings, Add	*52.39*	
23 21 13 23-0815	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	223.65	9.44
		For Galvanized Fittings, Add	*52.39*	
23 21 13 23-0816	EA	3" Roust-A-Bout Plain End Piping System Coupling	327.32	11.27
		For Galvanized Fittings, Add	*77.61*	
23 21 13 23-0817	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	378.98	13.17
		For Galvanized Fittings, Add	*89.81*	
23 21 13 23-0818	EA	4" Roust-A-Bout Plain End Piping System Coupling	381.77	15.01
		For Galvanized Fittings, Add	*89.81*	
23 21 13 23-0819	EA	5" Roust-A-Bout Plain End Piping System Coupling	541.42	18.80
		For Galvanized Fittings, Add	*128.31*	
23 21 13 23-0820	EA	6" Roust-A-Bout Plain End Piping System Coupling	663.45	24.44
		For Galvanized Fittings, Add	*156.71*	
23 21 13 23-0821	EA	8" Roust-A-Bout Plain End Piping System Coupling	1,155.19	29.16
		For Galvanized Fittings, Add	*277.87*	
23 21 13 23-0822	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,497.79	34.51
		For Galvanized Fittings, Add	*361.50*	
23 21 13 23-0823	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,875.73	40.85
		For Galvanized Fittings, Add	*453.61*	
23 21 13 23-0824	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,644.26	45.15
		For Galvanized Fittings, Add	*644.13*	
23 21 13 23-0825	EA	16" Roust-A-Bout Plain End Piping System Coupling	3,604.91	51.06
		For Galvanized Fittings, Add	*882.09*	

23 21 13 23-0826 Plain End Piping System Fittings *(23 21 13 23-0802)*

Note: Cast ductile iron bodies.

23 21 13 23-0827 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0826)*

23 21 13 23-0828	EA	1" Plain End Piping System, 90 Degree Elbow	177.16	7.68
		For Galvanized Fittings, Add	*33.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0829	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	183.08	11.62
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0830	EA	2" Plain End Piping System, 90 Degree Elbow	188.67	15.36
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0831	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	193.69	18.73
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0832	EA	3" Plain End Piping System, 90 Degree Elbow	232.95	22.68
		For Galvanized Fittings, Add	*39.79*	
23 21 13 23-0833	EA	4" Plain End Piping System, 90 Degree Elbow	334.95	29.87
		For Galvanized Fittings, Add	*58.03*	
23 21 13 23-0834	EA	5" Plain End Piping System, 90 Degree Elbow	1,060.41	37.40
		For Galvanized Fittings, Add	*200.87*	
23 21 13 23-0835	EA	6" Plain End Piping System, 90 Degree Elbow	871.98	48.96
		For Galvanized Fittings, Add	*159.72*	
23 21 13 23-0836	EA	8" Plain End Piping System, 90 Degree Elbow	1,773.89	58.11
		For Galvanized Fittings, Add	*337.34*	
23 21 13 23-0837	EA	10" Plain End Piping System, 90 Degree Elbow	2,221.75	67.90
		For Galvanized Fittings, Add	*423.99*	
23 21 13 23-0838	EA	12" Plain End Piping System, 90 Degree Elbow	2,821.48	81.57
		For Galvanized Fittings, Add	*539.84*	

23 21 13 23-0839 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0826)*

23 21 13 23-0840	EA	1" Plain End Piping System, 45 Degree Elbow	177.16	7.68
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0841	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	183.08	11.62
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0842	EA	2" Plain End Piping System, 45 Degree Elbow	188.67	15.36
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0843	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	193.69	18.73
		For Galvanized Fittings, Add	*33.13*	
23 21 13 23-0844	EA	3" Plain End Piping System, 45 Degree Elbow	232.95	22.68
		For Galvanized Fittings, Add	*39.79*	
23 21 13 23-0845	EA	4" Plain End Piping System, 45 Degree Elbow	334.95	29.87
		For Galvanized Fittings, Add	*58.03*	
23 21 13 23-0846	EA	5" Plain End Piping System, 45 Degree Elbow	1,060.41	37.40
		For Galvanized Fittings, Add	*200.87*	
23 21 13 23-0847	EA	6" Plain End Piping System, 45 Degree Elbow	875.05	48.96
		For Galvanized Fittings, Add	*160.34*	
23 21 13 23-0848	EA	8" Plain End Piping System, 45 Degree Elbow	1,013.97	58.11
		For Galvanized Fittings, Add	*185.36*	
23 21 13 23-0849	EA	10" Plain End Piping System, 45 Degree Elbow	1,395.20	67.90
		For Galvanized Fittings, Add	*258.68*	
23 21 13 23-0850	EA	12" Plain End Piping System, 45 Degree Elbow	1,793.20	81.57
		For Galvanized Fittings, Add	*334.18*	

23 21 13 23-0851 Plain End Piping System, Tees *(23 21 13 23-0826)*

23 21 13 23-0852	EA	1" Plain End Piping System, Tee	240.49	11.62
		For Galvanized Fittings, Add	*44.61*	
23 21 13 23-0853	EA	1-1/2" Plain End Piping System, Tee	249.22	17.46
		For Galvanized Fittings, Add	*44.61*	
23 21 13 23-0854	EA	2" Plain End Piping System, Tee	256.92	22.61
		For Galvanized Fittings, Add	*44.61*	
23 21 13 23-0855	EA	2-1/2" Plain End Piping System, Tee	264.59	27.68
		For Galvanized Fittings, Add	*44.61*	
23 21 13 23-0856	EA	3" Plain End Piping System, Tee	372.05	34.02
		For Galvanized Fittings, Add	*64.20*	
23 21 13 23-0857	EA	4" Plain End Piping System, Tee	512.40	44.02
		For Galvanized Fittings, Add	*89.29*	
23 21 13 23-0858	EA	5" Plain End Piping System, Tee	1,067.01	57.54
		For Galvanized Fittings, Add	*196.14*	
23 21 13 23-0859	EA	6" Plain End Piping System, Tee	1,318.38	72.05
		For Galvanized Fittings, Add	*242.07*	
23 21 13 23-0860	EA	8" Plain End Piping System, Tee	1,808.46	87.62
		For Galvanized Fittings, Add	*335.41*	
23 21 13 23-0861	EA	10" Plain End Piping System, Tee	2,714.14	102.13
		For Galvanized Fittings, Add	*512.20*	
23 21 13 23-0862	EA	12" Plain End Piping System, Tee	3,647.92	122.35
		For Galvanized Fittings, Add	*692.90*	

23 21 13 23-0863 Plain End Piping System, Reducing Tees *(23 21 13 23-0826)*

23 21 13 23-0864	EA	1-1/2" Plain End Piping System, Reducing Tee	468.99	18.73
		For Galvanized Fittings, Add	*88.18*	
23 21 13 23-0865	EA	2" Plain End Piping System, Reducing Tee	474.77	22.61
		For Galvanized Fittings, Add	*88.18*	
23 21 13 23-0866	EA	2-1/2" Plain End Piping System, Reducing Tee	482.44	27.68
		For Galvanized Fittings, Add	*88.18*	
23 21 13 23-0867	EA	3" Plain End Piping System, Reducing Tee	491.95	34.02
		For Galvanized Fittings, Add	*88.18*	
23 21 13 23-0868	EA	4" Plain End Piping System, Reducing Tee	716.88	44.02
		For Galvanized Fittings, Add	*130.18*	
23 21 13 23-0869	EA	6" Plain End Piping System, Reducing Tee	1,213.37	72.05
		For Galvanized Fittings, Add	*221.07*	
23 21 13 23-0870	EA	8" Plain End Piping System, Reducing Tee	1,587.09	87.62
		For Galvanized Fittings, Add	*291.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0871	EA	10" Plain End Piping System, Reducing Tee	2,397.28	102.13
		For Galvanized Fittings, Add	*448.83*	
23 21 13 23-0872	EA	12" Plain End Piping System, Reducing Tee	3,557.25	122.35
		For Galvanized Fittings, Add	*674.76*	

23 21 13 23-0873 Plain End Piping System, Wyes *(23 21 13 23-0826)*

23 21 13 23-0874	EA	2" Plain End Piping System, Wye	687.24	22.61
		For Galvanized Fittings, Add	*130.68*	
23 21 13 23-0875	EA	2-1/2" Plain End Piping System, Wye	694.91	27.68
		For Galvanized Fittings, Add	*130.68*	
23 21 13 23-0876	EA	3" Plain End Piping System, Wye	785.48	34.02
		For Galvanized Fittings, Add	*146.89*	
23 21 13 23-0877	EA	4" Plain End Piping System, Wye	1,156.11	44.02
		For Galvanized Fittings, Add	*218.03*	
23 21 13 23-0878	EA	5" Plain End Piping System, Wye	1,412.89	57.54
		For Galvanized Fittings, Add	*265.31*	
23 21 13 23-0879	EA	6" Plain End Piping System, Wye	1,934.76	72.05
		For Galvanized Fittings, Add	*365.35*	
23 21 13 23-0880	EA	8" Plain End Piping System, Wye	2,497.15	87.62
		For Galvanized Fittings, Add	*473.15*	
23 21 13 23-0881	EA	10" Plain End Piping System, Wye	3,641.71	102.13
		For Galvanized Fittings, Add	*697.72*	
23 21 13 23-0882	EA	12" Plain End Piping System, Wye	5,561.39	122.35
		For Galvanized Fittings, Add	*1,075.59*	

23 21 13 23-0883 Plain End Piping System, Laterals *(23 21 13 23-0826)*

23 21 13 23-0884	EA	2" Plain End Piping System, Lateral	733.45	22.61
		For Galvanized Fittings, Add	*139.92*	
23 21 13 23-0885	EA	2-1/2" Plain End Piping System, Lateral	741.12	27.68
		For Galvanized Fittings, Add	*139.92*	
23 21 13 23-0886	EA	3" Plain End Piping System, Lateral	831.38	34.02
		For Galvanized Fittings, Add	*156.07*	
23 21 13 23-0887	EA	4" Plain End Piping System, Lateral	1,243.77	44.02
		For Galvanized Fittings, Add	*235.56*	
23 21 13 23-0888	EA	5" Plain End Piping System, Lateral	1,621.67	57.54
		For Galvanized Fittings, Add	*307.07*	
23 21 13 23-0889	EA	6" Plain End Piping System, Lateral	2,069.09	72.05
		For Galvanized Fittings, Add	*392.21*	
23 21 13 23-0890	EA	8" Plain End Piping System, Lateral	2,990.57	87.62
		For Galvanized Fittings, Add	*571.83*	
23 21 13 23-0891	EA	10" Plain End Piping System, Lateral	4,189.16	102.13
		For Galvanized Fittings, Add	*807.21*	
23 21 13 23-0892	EA	12" Plain End Piping System, Lateral	5,642.75	122.35
		For Galvanized Fittings, Add	*1,091.86*	

23 21 13 23-0893 Plain End Piping System, Crosses *(23 21 13 23-0826)*

23 21 13 23-0894	EA	2" Plain End Piping System, Cross	810.37	33.88
		For Galvanized Fittings, Add	*94.95*	
23 21 13 23-0895	EA	2-1/2" Plain End Piping System, Cross	821.85	41.49
		For Galvanized Fittings, Add	*94.95*	
23 21 13 23-0896	EA	3" Plain End Piping System, Cross	957.61	51.06
		For Galvanized Fittings, Add	*110.13*	
23 21 13 23-0897	EA	4" Plain End Piping System, Cross	1,309.28	66.00
		For Galvanized Fittings, Add	*151.29*	
23 21 13 23-0898	EA	5" Plain End Piping System, Cross	1,848.59	86.35
		For Galvanized Fittings, Add	*214.89*	
23 21 13 23-0899	EA	6" Plain End Piping System, Cross	2,431.50	107.77
		For Galvanized Fittings, Add	*283.74*	
23 21 13 23-0900	EA	8" Plain End Piping System, Cross	3,107.77	130.52
		For Galvanized Fittings, Add	*364.02*	
23 21 13 23-0901	EA	10" Plain End Piping System, Cross	4,477.65	152.56
		For Galvanized Fittings, Add	*531.12*	
23 21 13 23-0902	EA	12" Plain End Piping System, Cross	6,401.82	183.56
		For Galvanized Fittings, Add	*765.84*	

23 21 13 23-0903 Plain End Piping System, Adapter Nipples *(23 21 13 23-0826)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0904	EA	1" Plain End Piping System, Adapter Nipple	22.82	4.22
		For Galvanized Fittings, Add	*4.12*	
23 21 13 23-0905	EA	1-1/2" Plain End Piping System, Adapter Nipple	25.74	5.84
		For Galvanized Fittings, Add	*4.23*	
23 21 13 23-0906	EA	2" Plain End Piping System, Adapter Nipple	28.52	7.75
		For Galvanized Fittings, Add	*4.23*	
23 21 13 23-0907	EA	2-1/2" Plain End Piping System, Adapter Nipple	33.93	9.37
		For Galvanized Fittings, Add	*4.96*	
23 21 13 23-0908	EA	3" Plain End Piping System, Adapter Nipple	41.42	11.27
		For Galvanized Fittings, Add	*6.13*	
23 21 13 23-0909	EA	4" Plain End Piping System, Adapter Nipple	63.54	15.01
		For Galvanized Fittings, Add	*10.25*	
23 21 13 23-0910	EA	6" Plain End Piping System, Adapter Nipple	139.05	18.80
		For Galvanized Fittings, Add	*27.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0911 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0826)*

23 21 13 23-0912	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	70.53	10.08
		For Galvanized Fittings, Add	*13.85*	
23 21 13 23-0913	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	73.36	11.97
		For Galvanized Fittings, Add	*13.85*	
23 21 13 23-0914	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	76.20	13.88
		For Galvanized Fittings, Add	*13.85*	
23 21 13 23-0915	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	75.51	13.45
		For Galvanized Fittings, Add	*13.85*	
23 21 13 23-0916	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	78.29	15.29
		For Galvanized Fittings, Add	*13.85*	
23 21 13 23-0917	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	81.10	17.11
		For Galvanized Fittings, Add	*13.85*	
23 21 13 23-0918	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	90.66	15.50
		For Galvanized Fittings, Add	*16.87*	
23 21 13 23-0919	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	93.17	17.11
		For Galvanized Fittings, Add	*16.87*	
23 21 13 23-0920	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	80.42	19.02
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-0921	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	85.87	22.68
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-0922	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	98.65	24.44
		For Galvanized Fittings, Add	*15.51*	
23 21 13 23-0923	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	123.73	19.23
		For Galvanized Fittings, Add	*23.72*	
23 21 13 23-0924	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	126.19	20.92
		For Galvanized Fittings, Add	*23.72*	
23 21 13 23-0925	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	106.02	22.83
		For Galvanized Fittings, Add	*17.96*	
23 21 13 23-0926	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	108.44	24.44
		For Galvanized Fittings, Add	*17.96*	
23 21 13 23-0927	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	111.31	26.34
		For Galvanized Fittings, Add	*17.96*	
23 21 13 23-0928	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	114.05	28.18
		For Galvanized Fittings, Add	*17.96*	
23 21 13 23-0929	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	304.00	26.55
		For Galvanized Fittings, Add	*66.04*	
23 21 13 23-0930	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	248.93	30.01
		For Galvanized Fittings, Add	*50.97*	
23 21 13 23-0931	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	218.53	33.88
		For Galvanized Fittings, Add	*41.95*	
23 21 13 23-0932	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	546.28	28.67
		For Galvanized Fittings, Add	*125.83*	
23 21 13 23-0933	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	548.72	30.29
		For Galvanized Fittings, Add	*125.83*	
23 21 13 23-0934	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	420.52	32.19
		For Galvanized Fittings, Add	*93.07*	
23 21 13 23-0935	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	423.03	33.88
		For Galvanized Fittings, Add	*93.07*	
23 21 13 23-0936	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	294.79	35.71
		For Galvanized Fittings, Add	*60.32*	
23 21 13 23-0937	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	297.35	37.40
		For Galvanized Fittings, Add	*60.32*	
23 21 13 23-0938	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	242.07	39.44
		For Galvanized Fittings, Add	*45.75*	
23 21 13 23-0939	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	274.54	43.18
		For Galvanized Fittings, Add	*52.45*	
23 21 13 23-0940	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	351.48	40.36
		For Galvanized Fittings, Add	*72.74*	
23 21 13 23-0941	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	357.17	44.16
		For Galvanized Fittings, Add	*72.74*	
23 21 13 23-0942	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	402.88	47.97
		For Galvanized Fittings, Add	*82.75*	
23 21 13 23-0943	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	451.45	53.60
		For Galvanized Fittings, Add	*92.76*	

23 21 13 23-0944 Plain End Piping System, Bull Plugs *(23 21 13 23-0826)*

23 21 13 23-0945	EA	1" Plain End Piping System, Bull Plug	366.50	4.22
		For Galvanized Fittings, Add	*108.05*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, Bull Plug	368.97	5.84
		For Galvanized Fittings, Add	*108.05*	
23 21 13 23-0947	EA	2" Plain End Piping System, Bull Plug	371.75	7.75
		For Galvanized Fittings, Add	*108.05*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, Bull Plug	374.25	9.37
		For Galvanized Fittings, Add	*108.05*	
23 21 13 23-0949	EA	3" Plain End Piping System, Bull Plug	544.86	11.27
		For Galvanized Fittings, Add	*158.39*	
23 21 13 23-0950	EA	4" Plain End Piping System, Bull Plug	704.47	15.01
		For Galvanized Fittings, Add	*204.58*	
23 21 13 23-0951	EA	5" Plain End Piping System, Bull Plug	1,233.30	18.80
		For Galvanized Fittings, Add	*361.54*	
23 21 13 23-0952	EA	6" Plain End Piping System, Bull Plug	1,643.97	24.44
		For Galvanized Fittings, Add	*482.21*	
23 21 13 23-0953	EA	8" Plain End Piping System, Bull Plug	3,065.56	29.09
		For Galvanized Fittings, Add	*906.57*	
23 21 13 23-0954	EA	10" Plain End Piping System, Bull Plug	5,536.77	34.02
		For Galvanized Fittings, Add	*1,645.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0955	EA	12" Plain End Piping System, Bull Plug	8,497.35	40.85
		For Galvanized Fittings, Add	*2,530.82*	
23 21 13 23-0956		**Carbon Steel Piping Systems** *(23 21 13 23)*		
23 21 13 23-0957		**Class 3,000 LB Carbon Steel Socket Weld Fittings** *(23 21 13 23-0956)* Note: ASTM A105		
23 21 13 23-0958		**90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-0959	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	27.35	13.95
23 21 13 23-0960	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	30.76	15.57
23 21 13 23-0961	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.74	17.39
23 21 13 23-0962	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	55.00	19.72
23 21 13 23-0963	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	62.93	22.19
23 21 13 23-0964	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	85.81	28.25
23 21 13 23-0965	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	172.99	41.77
23 21 13 23-0966	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	247.14	54.94
23 21 13 23-0967	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	440.65	60.56
23 21 13 23-0968		**45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-0969	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	30.21	13.95
23 21 13 23-0970	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	35.08	15.57
23 21 13 23-0971	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	41.07	17.39
23 21 13 23-0972	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	56.68	19.72
23 21 13 23-0973	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	66.96	22.19
23 21 13 23-0974	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	85.72	28.25
23 21 13 23-0975	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	197.65	41.77
23 21 13 23-0976	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	268.01	54.94
23 21 13 23-0977	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	431.62	60.56
23 21 13 23-0978		**Straight Tees, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-0979	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	33.45	17.39
23 21 13 23-0980	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	40.73	20.07
23 21 13 23-0981	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	54.38	23.73
23 21 13 23-0982	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	72.98	28.25
23 21 13 23-0983	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	88.53	33.67
23 21 13 23-0984	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	117.82	41.77
23 21 13 23-0985	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	215.30	54.94
23 21 13 23-0986	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	297.42	65.22
23 21 13 23-0987	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	583.56	76.46
23 21 13 23-0988		**Reducing Tees, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-0989	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	34.24	17.39
23 21 13 23-0990	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	41.54	20.07
23 21 13 23-0991	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	55.35	23.73
23 21 13 23-0992	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	75.27	28.25
23 21 13 23-0993	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	91.21	33.67
23 21 13 23-0994	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	121.95	41.77
23 21 13 23-0995	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	225.11	54.94
23 21 13 23-0996	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	311.53	65.22
23 21 13 23-0997	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	533.33	76.46
23 21 13 23-0998		**Straight Couplings, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-0999	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	23.83	13.95
23 21 13 23-1000	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	26.87	15.57
23 21 13 23-1001	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	31.47	17.39
23 21 13 23-1002	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	36.32	19.72
23 21 13 23-1003	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	42.42	22.19
23 21 13 23-1004	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	55.62	28.25
23 21 13 23-1005	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB	96.11	41.77
23 21 13 23-1006	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	128.58	54.94
23 21 13 23-1007	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	182.92	60.56
23 21 13 23-1008		**Reducing Couplings, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-1009	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	25.42	13.95
23 21 13 23-1010	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	28.61	15.57
23 21 13 23-1011	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	34.26	17.39
23 21 13 23-1012	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	39.70	19.72
23 21 13 23-1013	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	47.44	22.19
23 21 13 23-1014	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	60.98	28.25
23 21 13 23-1015	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	107.91	41.77
23 21 13 23-1016	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	152.31	54.94
23 21 13 23-1017	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	232.26	60.56
23 21 13 23-1018		**Caps, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-1019	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	14.47	6.55
23 21 13 23-1020	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	16.56	6.97
23 21 13 23-1021	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	19.46	8.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1022	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	22.72	8.74
23 21 13 23-1023	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	26.27	8.74
23 21 13 23-1024	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	34.09	11.20
23 21 13 23-1025	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	61.53	13.95
23 21 13 23-1026	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	89.29	16.83
23 21 13 23-1027	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	130.99	20.72
23 21 13 23-1028		**Black Cast Iron Square Head Plug** *(23 21 13 23-0957)*		
23 21 13 23-1029	EA	1/2" Square Head Plug, Black, Cast Iron	9.32	5.56
23 21 13 23-1030	EA	3/4" Square Head Plug, Black, Cast Iron	10.83	5.56
23 21 13 23-1031	EA	1" Square Head Plug, Black, Cast Iron	15.45	8.45
23 21 13 23-1032	EA	1-1/4" Square Head Plug, Black, Cast Iron	15.75	8.45
23 21 13 23-1033	EA	1-1/2" Square Head Plug, Black, Cast Iron	17.01	8.45
23 21 13 23-1034	EA	2" Square Head Plug, Black, Cast Iron	22.51	11.20
23 21 13 23-1035	EA	2-1/2" Square Head Plug, Black, Cast Iron	29.11	13.95
23 21 13 23-1036	EA	3" Square Head Plug, Black, Cast Iron	38.46	16.83
23 21 13 23-1037	EA	4" Square Head Plug, Black, Cast Iron	46.64	20.72
23 21 13 23-1038		**Unions, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0957)*		
23 21 13 23-1039	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	42.68	17.39
23 21 13 23-1040	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	47.12	20.07
23 21 13 23-1041	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	60.45	23.73
23 21 13 23-1042	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	76.64	28.25
23 21 13 23-1043	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	92.39	33.67
23 21 13 23-1044	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	115.57	41.77
23 21 13 23-1045	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	203.65	45.36
23 21 13 23-1046	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	274.58	54.94
23 21 13 23-1047		**Class 6,000 LB Carbon Steel Socket Weld Fittings** *(23 21 13 23-0956)* Note: ASTM A105		
23 21 13 23-1048		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1049	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	30.79	13.95
23 21 13 23-1050	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	34.70	15.57
23 21 13 23-1051	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	47.00	17.39
23 21 13 23-1052	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	68.52	19.72
23 21 13 23-1053	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	78.66	22.19
23 21 13 23-1054	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	108.91	28.25
23 21 13 23-1055	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	231.61	41.77
23 21 13 23-1056	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	334.65	54.94
23 21 13 23-1057	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	626.47	60.56
23 21 13 23-1058		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1059	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	35.49	13.95
23 21 13 23-1060	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	41.72	15.57
23 21 13 23-1061	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	49.55	17.39
23 21 13 23-1062	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	72.04	19.72
23 21 13 23-1063	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	86.01	22.19
23 21 13 23-1064	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	110.31	28.25
23 21 13 23-1065	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	274.11	41.77
23 21 13 23-1066	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	373.11	54.94
23 21 13 23-1067	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	624.61	60.56
23 21 13 23-1068		**Straight Tees, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1069	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	40.27	17.39
23 21 13 23-1070	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.58	20.07
23 21 13 23-1071	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	71.81	23.73
23 21 13 23-1072	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	101.39	28.25
23 21 13 23-1073	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	123.75	33.67
23 21 13 23-1074	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	168.96	41.77
23 21 13 23-1075	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	338.42	54.94
23 21 13 23-1076	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	482.28	65.22
23 21 13 23-1077	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,017.86	76.46
23 21 13 23-1078		**Reducing Tees, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1079	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	34.24	17.39
23 21 13 23-1080	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	41.54	20.07
23 21 13 23-1081	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	55.35	23.73
23 21 13 23-1082	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	75.27	28.25
23 21 13 23-1083	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	91.21	33.67
23 21 13 23-1084	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	121.95	41.77
23 21 13 23-1085	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	225.11	54.94
23 21 13 23-1086	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	311.53	65.22
23 21 13 23-1087	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	533.33	76.46
23 21 13 23-1088		**Straight Couplings, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1089	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	25.26	13.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1090	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	28.56	15.57
23 21 13 23-1091	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	34.06	17.39
23 21 13 23-1092	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	39.59	19.72
23 21 13 23-1093	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	46.83	22.19
23 21 13 23-1094	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	62.06	28.25
23 21 13 23-1095	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	112.31	41.77
23 21 13 23-1096	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	150.92	54.94
23 21 13 23-1097	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	227.49	60.56
23 21 13 23-1098		**Reducing Couplings, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1099	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	27.61	13.95
23 21 13 23-1100	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	31.14	15.57
23 21 13 23-1101	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	38.19	17.39
23 21 13 23-1102	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	44.57	19.72
23 21 13 23-1103	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	54.22	22.19
23 21 13 23-1104	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	69.95	28.25
23 21 13 23-1105	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	129.65	41.77
23 21 13 23-1106	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	185.88	54.94
23 21 13 23-1107	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	300.18	60.56
23 21 13 23-1108		**Caps, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1109	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	17.61	6.55
23 21 13 23-1110	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	20.67	6.97
23 21 13 23-1111	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB	24.44	8.03
23 21 13 23-1112	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	29.22	8.74
23 21 13 23-1113	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	35.15	8.74
23 21 13 23-1114	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB	45.68	11.20
23 21 13 23-1115	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	88.81	13.95
23 21 13 23-1116	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB	132.28	16.83
23 21 13 23-1117	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB	198.02	20.72
23 21 13 23-1118		**Black Cast Iron Square Head Plug** *(23 21 13 23-1047)*		
23 21 13 23-1119	EA	1/2" Square Head Plug, Black Cast Iron	9.32	5.56
23 21 13 23-1120	EA	3/4" Square Head Plug, Black Cast Iron	10.85	5.56
23 21 13 23-1121	EA	1" Square Head Plug, Black Cast Iron	15.46	8.45
23 21 13 23-1122	EA	1-1/4" Square Head Plug, Black Cast Iron	15.77	8.45
23 21 13 23-1123	EA	1-1/2" Square Head Plug, Black Cast Iron	17.03	8.45
23 21 13 23-1124	EA	2" Square Head Plug, Black Cast Iron	22.54	11.20
23 21 13 23-1125	EA	2-1/2" Square Head Plug, Black Cast Iron	29.15	13.95
23 21 13 23-1126	EA	3" Square Head Plug, Black Cast Iron	38.53	16.83
23 21 13 23-1127	EA	4" Square Head Plug, Black Cast Iron	46.72	20.72
23 21 13 23-1128		**Unions, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1047)*		
23 21 13 23-1129	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	52.82	17.39
23 21 13 23-1130	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	57.53	20.07
23 21 13 23-1131	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB	75.66	23.73
23 21 13 23-1132	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	97.63	28.25
23 21 13 23-1133	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	118.02	33.67
23 21 13 23-1134	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB	147.95	41.77
23 21 13 23-1135	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	286.57	45.36
23 21 13 23-1136	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB	392.10	54.94
23 21 13 23-1137		**Carbon Steel, Seamless Piping System** *(23 21 13 23-0956)* Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1138		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1137)* Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1139	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40	5.81	2.61
		For Schedule 80, Add	*0.68*	
23 21 13 23-1140	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	6.01	2.82
		For Schedule 80, Add	*0.63*	
		For Schedule 160, Add	*2.61*	
23 21 13 23-1141	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	6.67	3.03
		For Schedule 80, Add	*0.77*	
		For Schedule 160, Add	*3.20*	
23 21 13 23-1142	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40	7.13	3.32
		For Schedule 80, Add	*0.79*	
		For Schedule 160, Add	*3.30*	
23 21 13 23-1143	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	9.37	4.08
		For Schedule 80, Add	*1.17*	
		For Schedule 160, Add	*4.86*	
23 21 13 23-1144	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40	11.68	4.93
		For Schedule 80, Add	*1.53*	
		For Schedule 160, Add	*6.39*	
23 21 13 23-1145		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1146	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	20.15	10.70
23 21 13 23-1147	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	24.39	12.54
23 21 13 23-1148	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	27.24	14.02
23 21 13 23-1149	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.32	15.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1150	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	50.22	20.00
23 21 13 23-1151	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	63.63	25.43
23 21 13 23-1152	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	21.45	10.70
23 21 13 23-1153	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	24.88	12.54
23 21 13 23-1154	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	28.85	14.02
23 21 13 23-1155	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.82	15.64
23 21 13 23-1156	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	58.58	20.00
23 21 13 23-1157	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	72.87	25.43
23 21 13 23-1158	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	29.43	12.54
23 21 13 23-1159	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	34.58	14.02
23 21 13 23-1160	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.85	15.64
23 21 13 23-1161	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	75.50	20.00
23 21 13 23-1162	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	117.74	25.43
23 21 13 23-1163		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1164	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	22.85	10.70
23 21 13 23-1165	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	25.44	12.54
23 21 13 23-1166	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.60	14.02
23 21 13 23-1167	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	32.35	15.64
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	46.88	20.00
23 21 13 23-1169	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	68.78	25.43
23 21 13 23-1170	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	23.06	10.70
23 21 13 23-1171	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	26.63	12.54
23 21 13 23-1172	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	29.98	14.02
23 21 13 23-1173	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	35.93	15.64
23 21 13 23-1174	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	57.29	20.00
23 21 13 23-1175	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	75.75	25.43
23 21 13 23-1176	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	32.57	12.54
23 21 13 23-1177	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.26	14.02
23 21 13 23-1178	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	42.98	15.64
23 21 13 23-1179	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	87.57	20.00
23 21 13 23-1180	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	118.54	25.43
23 21 13 23-1181		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1182	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	26.88	14.86
23 21 13 23-1183	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	30.74	15.64
23 21 13 23-1184	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	37.00	18.10
23 21 13 23-1185	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	45.57	21.34
23 21 13 23-1186	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	73.93	30.29
23 21 13 23-1187	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	91.67	37.61
23 21 13 23-1188	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	28.00	14.86
23 21 13 23-1189	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	31.47	15.64
23 21 13 23-1190	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	39.42	18.10
23 21 13 23-1191	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	47.64	21.34
23 21 13 23-1192	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	81.11	30.29
23 21 13 23-1193	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	103.54	37.61
23 21 13 23-1194	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	36.93	15.64
23 21 13 23-1195	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	45.29	18.10
23 21 13 23-1196	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	62.14	21.34
23 21 13 23-1197	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	97.59	30.29
23 21 13 23-1198	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	156.08	37.61
23 21 13 23-1199		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1200	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	40.86	18.80
23 21 13 23-1201	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	48.53	21.13
23 21 13 23-1202	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	52.22	22.54
23 21 13 23-1203	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	64.75	27.19
23 21 13 23-1204	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	114.79	38.03
23 21 13 23-1205	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	148.69	46.98
23 21 13 23-1206	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	49.90	21.13
23 21 13 23-1207	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	60.06	22.54
23 21 13 23-1208	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	71.62	27.19
23 21 13 23-1209	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	124.69	38.03
23 21 13 23-1210	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	166.77	46.98
23 21 13 23-1211	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	75.46	21.13
23 21 13 23-1212	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	129.82	22.54
23 21 13 23-1213	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	179.11	27.19
23 21 13 23-1214	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	284.53	38.03
23 21 13 23-1215	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	310.49	46.98
23 21 13 23-1216		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1217	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	18.46	10.70
23 21 13 23-1218	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	21.05	12.54
23 21 13 23-1219	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	24.14	14.02
23 21 13 23-1220	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	28.18	15.64
23 21 13 23-1221	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	41.79	20.00
23 21 13 23-1222	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	53.03	25.43
23 21 13 23-1223	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	21.73	10.70
23 21 13 23-1224	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	23.12	12.54
23 21 13 23-1225	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	25.73	14.02
23 21 13 23-1226	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	30.30	15.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1227	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	45.03	20.00
23 21 13 23-1228	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	64.87	25.43
23 21 13 23-1229		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1230	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	18.91	11.41
23 21 13 23-1231	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	22.12	12.54
23 21 13 23-1232	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	25.78	14.02
23 21 13 23-1233	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	30.45	15.64
23 21 13 23-1234	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	42.38	20.00
23 21 13 23-1235	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	56.22	25.43
23 21 13 23-1236	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	64.07	12.54
23 21 13 23-1237	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	66.31	14.02
23 21 13 23-1238	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	77.69	15.64
23 21 13 23-1239	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	112.25	20.00
23 21 13 23-1240	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	161.98	25.43
23 21 13 23-1241		**Caps, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1242	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	5.84	2.61
23 21 13 23-1243	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	6.49	2.96
23 21 13 23-1244	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	7.96	3.39
23 21 13 23-1245	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	10.35	3.94
23 21 13 23-1246	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	14.21	4.72
23 21 13 23-1247	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	19.96	5.84
23 21 13 23-1248	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	9.77	2.61
23 21 13 23-1249	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	9.01	2.96
23 21 13 23-1250	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	12.06	3.39
23 21 13 23-1251	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	13.34	3.94
23 21 13 23-1252	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	26.42	4.72
23 21 13 23-1253	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	31.86	5.84
23 21 13 23-1254		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1255	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	11.38	6.41
23 21 13 23-1256	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	11.56	6.69
23 21 13 23-1257	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	11.46	6.69
23 21 13 23-1258	EA	1" Nipple, 2" Long, Screwed Carbon Steel	12.82	7.26
23 21 13 23-1259	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	14.74	7.82
23 21 13 23-1260	EA	2" Nipple, 2" Long, Screwed Carbon Steel	17.41	10.08
23 21 13 23-1261	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	12.13	6.41
23 21 13 23-1262	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	12.16	6.69
23 21 13 23-1263	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	12.14	6.69
23 21 13 23-1264	EA	1" Nipple, 4" Long, Screwed Carbon Steel	13.73	7.26
23 21 13 23-1265	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	16.36	7.82
23 21 13 23-1266	EA	2" Nipple, 4" Long, Screwed Carbon Steel	19.78	10.08
23 21 13 23-1267	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	13.92	6.41
23 21 13 23-1268	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	13.10	6.69
23 21 13 23-1269	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	13.19	6.69
23 21 13 23-1270	EA	1" Nipple, 6" Long, Screwed Carbon Steel	15.03	7.26
23 21 13 23-1271	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	18.58	7.82
23 21 13 23-1272	EA	2" Nipple, 6" Long, Screwed Carbon Steel	21.74	10.08
23 21 13 23-1273		**Unions, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1274	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	23.79	15.57
23 21 13 23-1275	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	24.76	15.64
23 21 13 23-1276	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	28.41	18.10
23 21 13 23-1277	EA	1" Union, 3,000 LB, Screwed Carbon Steel	33.95	21.34
23 21 13 23-1278	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	48.68	30.29
23 21 13 23-1279	EA	2" Union, 3,000 LB, Screwed Carbon Steel	60.45	37.61
23 21 13 23-1280	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	41.19	15.57
23 21 13 23-1281	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	45.80	15.64
23 21 13 23-1282	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	53.88	18.10
23 21 13 23-1283	EA	1" Union, 6,000 LB, Screwed Carbon Steel	65.34	21.34
23 21 13 23-1284	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	112.87	30.29
23 21 13 23-1285	EA	2" Union, 6,000 LB, Screwed Carbon Steel	139.45	37.61
23 21 13 23-1286		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1137)*		
23 21 13 23-1287	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	52.89	29.09
23 21 13 23-1288	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	55.31	30.49
23 21 13 23-1289	EA	1" Flange, 150 LB, Screwed Carbon Steel	57.30	31.83
23 21 13 23-1290	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	63.65	35.86
23 21 13 23-1291	EA	2" Flange, 150 LB, Screwed Carbon Steel	65.99	37.40
23 21 13 23-1292	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	53.49	29.09
		For Ring Type Joint, Add	*9.84*	
		For Blind Flange, Deduct	*-19.43*	
23 21 13 23-1293	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	55.93	30.49
		For Ring Type Joint, Add	*10.17*	
		For Blind Flange, Deduct	*-20.34*	
23 21 13 23-1294	EA	1" Flange, 300 LB, Screwed Carbon Steel	58.24	31.83
		For Ring Type Joint, Add	*10.49*	
		For Blind Flange, Deduct	*-21.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1295	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	65.91	35.86
		For Ring Type Joint, Add	*12.14*	
		For Blind Flange, Deduct	*-23.94*	
23 21 13 23-1296	EA	2" Flange, 300 LB, Screwed Carbon Steel	68.25	37.40
		For Ring Type Joint, Add	*12.14*	
		For Blind Flange, Deduct	*-24.87*	
23 21 13 23-1297	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	57.36	29.09
		For Ring Type Joint, Add	*13.71*	
		For Blind Flange, Deduct	*-20.20*	
23 21 13 23-1298	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	59.47	30.49
		For Ring Type Joint, Add	*13.71*	
		For Blind Flange, Deduct	*-21.05*	
23 21 13 23-1299	EA	1" Flange, 600 LB, Screwed Carbon Steel	62.09	31.83
		For Ring Type Joint, Add	*14.34*	
		For Blind Flange, Deduct	*-21.97*	
23 21 13 23-1300	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	70.67	35.86
		For Ring Type Joint, Add	*16.90*	
		For Blind Flange, Deduct	*-24.89*	
23 21 13 23-1301	EA	2" Flange, 600 LB, Screwed Carbon Steel	71.84	37.40
		For Ring Type Joint, Add	*15.73*	
		For Blind Flange, Deduct	*-25.59*	

23 21 13 23-1302 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-1137)*

23 21 13 23-1303	EA	1/4" Square Head Plug, Screwed Carbon Steel	3.82	1.98
23 21 13 23-1304	EA	1/2" Square Head Plug, Screwed Carbon Steel	4.57	2.33
23 21 13 23-1305	EA	3/4" Square Head Plug, Screwed Carbon Steel	5.32	2.68
23 21 13 23-1306	EA	1" Square Head Plug, Screwed Carbon Steel	7.74	3.94
23 21 13 23-1307	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	10.02	3.94
23 21 13 23-1308	EA	2" Square Head Plug, Screwed Carbon Steel	14.58	5.14

23 21 13 23-1309 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-1137)*

23 21 13 23-1310	EA	1/4" Hex Head Plug, Screwed Carbon Steel	3.59	1.98
23 21 13 23-1311	EA	1/2" Hex Head Plug, Screwed Carbon Steel	4.36	2.33
23 21 13 23-1312	EA	3/4" Hex Head Plug, Screwed Carbon Steel	5.18	2.68
23 21 13 23-1313	EA	1" Hex Head Plug, Screwed Carbon Steel	7.62	3.94
23 21 13 23-1314	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	9.52	3.94
23 21 13 23-1315	EA	2" Hex Head Plug, Screwed Carbon Steel	14.93	5.14

23 21 13 23-1316 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-1137)*

23 21 13 23-1317	EA	1/4" Round Head Plug, Screwed Carbon Steel	4.33	1.98
23 21 13 23-1318	EA	1/2" Round Head Plug, Screwed Carbon Steel	4.60	2.33
23 21 13 23-1319	EA	3/4" Round Head Plug, Screwed Carbon Steel	5.22	2.68
23 21 13 23-1320	EA	1" Round Head Plug, Screwed Carbon Steel	7.82	3.94
23 21 13 23-1321	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	10.65	3.94
23 21 13 23-1322	EA	2" Round Head Plug, Screwed Carbon Steel	14.80	5.14

23 21 13 23-1323 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-1137)*

23 21 13 23-1324	EA	1/4" Hex Bushing, Screwed Carbon Steel	3.76	1.98
23 21 13 23-1325	EA	1/2" Hex Bushing, Screwed Carbon Steel	4.35	2.33
23 21 13 23-1326	EA	3/4" Hex Bushing, Screwed Carbon Steel	5.12	2.68
23 21 13 23-1327	EA	1" Hex Bushing, Screwed Carbon Steel	7.78	3.94
23 21 13 23-1328	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	9.48	3.94
23 21 13 23-1329	EA	2" Hex Bushing, Screwed Carbon Steel	14.41	5.14

23 21 13 23-1330 90 Degree Street Elbows, Screwed Carbon Steel *(23 21 13 23-1137)*

23 21 13 23-1331	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	24.31	10.70
23 21 13 23-1332	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	27.65	12.54
23 21 13 23-1333	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	32.43	14.02
23 21 13 23-1334	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	38.08	15.64
23 21 13 23-1335	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	61.21	20.00
23 21 13 23-1336	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	82.68	25.43
23 21 13 23-1337	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	39.54	12.54
23 21 13 23-1338	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	56.61	14.02
23 21 13 23-1339	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	78.53	15.64
23 21 13 23-1340	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	172.49	20.00

23 21 13 23-1341 Screwed Carbon Steel Laterals *(23 21 13 23-1137)*

23 21 13 23-1342	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	105.38	15.64
23 21 13 23-1343	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	126.79	18.10
23 21 13 23-1344	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	155.22	21.34
23 21 13 23-1345	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	199.27	30.29
23 21 13 23-1346	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	248.65	37.61
23 21 13 23-1347	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	133.15	15.64
23 21 13 23-1348	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	168.10	18.10
23 21 13 23-1349	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	199.39	21.34
23 21 13 23-1350	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	280.47	30.29

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			MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1351			Grooved-Joint Pipe *(23 21 13 23)*		
			Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1352			Schedule 10 Black Grooved Pipe *(23 21 13 23-1351)*		
23 21 13 23-1353	LF		2" Black Schedule 10 Grooved Pipe	20.57	8.95
23 21 13 23-1354	LF		2-1/2" Black Schedule 10 Grooved Pipe	27.72	12.25
23 21 13 23-1355	LF		3" Black Schedule 10 Grooved Pipe	31.16	13.59
23 21 13 23-1356	LF		3-1/2" Black Schedule 10 Grooved Pipe	34.95	14.09
23 21 13 23-1357	LF		4" Black Schedule 10 Grooved Pipe	37.05	15.29
23 21 13 23-1358	LF		5" Black Schedule 10 Grooved Pipe	52.91	18.73
23 21 13 23-1359	LF		6" Black Schedule 10 Grooved Pipe	67.71	26.62
23 21 13 23-1360	LF		8" Black Schedule 10 Grooved Pipe	93.87	29.87
23 21 13 23-1361	LF		10" Black Schedule 10 Grooved Pipe	117.98	36.00
23 21 13 23-1362	LF		12" Black Schedule 10 Grooved Pipe	136.25	40.78
23 21 13 23-1363			Schedule 40 Black Grooved Pipe *(23 21 13 23-1351)*		
23 21 13 23-1364	LF		3/4" Black Schedule 40 Grooved Pipe	12.32	5.42
23 21 13 23-1365	LF		1" Black Schedule 40 Grooved Pipe	13.92	6.13
23 21 13 23-1366	LF		1-1/4" Black Schedule 40 Grooved Pipe	15.91	6.62
23 21 13 23-1367	LF		1-1/2" Black Schedule 40 Grooved Pipe	18.10	7.54
23 21 13 23-1368	LF		2" Black Schedule 40 Grooved Pipe	22.79	9.58
23 21 13 23-1369	LF		2-1/2" Black Schedule 40 Grooved Pipe	31.78	13.10
23 21 13 23-1370	LF		3" Black Schedule 40 Grooved Pipe	37.62	14.93
23 21 13 23-1371	LF		4" Black Schedule 40 Grooved Pipe	46.51	16.63
23 21 13 23-1372	LF		5" Black Schedule 40 Grooved Pipe	64.60	20.22
23 21 13 23-1373	LF		6" Black Schedule 40 Grooved Pipe	86.51	29.16
23 21 13 23-1374	LF		8" Black Schedule 40 Grooved Pipe	116.01	33.03
23 21 13 23-1375	LF		10" Black Schedule 40 Grooved Pipe	161.20	39.44
23 21 13 23-1376	LF		12" Black Schedule 40 Grooved Pipe	190.13	45.29
23 21 13 23-1377	LF		14" Black Schedule 40 Grooved Pipe	250.69	61.21
23 21 13 23-1378	LF		16" Black Schedule 40 Grooved Pipe	290.61	71.98
23 21 13 23-1379	LF		18" Black Schedule 40 Grooved Pipe	361.19	87.41
23 21 13 23-1380	LF		20" Black Schedule 40 Grooved Pipe	416.24	101.92
23 21 13 23-1381	LF		24" Black Schedule 40 Grooved Pipe	546.48	122.35
23 21 13 23-1382			Schedule 80 Black Grooved Pipe *(23 21 13 23-1351)*		
23 21 13 23-1383	LF		3/4" Black Schedule 80 Grooved Pipe	13.52	5.92
23 21 13 23-1384	LF		1" Black Schedule 80 Grooved Pipe	15.05	6.27
23 21 13 23-1385	LF		1-1/4" Black Schedule 80 Grooved Pipe	17.76	6.97
23 21 13 23-1386	LF		1-1/2" Black Schedule 80 Grooved Pipe	20.24	7.82
23 21 13 23-1387	LF		2" Black Schedule 80 Grooved Pipe	26.21	10.08
23 21 13 23-1388	LF		2-1/2" Black Schedule 80 Grooved Pipe	36.98	13.88
23 21 13 23-1389	LF		3" Black Schedule 80 Grooved Pipe	44.30	15.57
23 21 13 23-1390	LF		4" Black Schedule 80 Grooved Pipe	56.20	16.97
23 21 13 23-1391	LF		5" Black Schedule 80 Grooved Pipe	86.79	21.34
23 21 13 23-1392	LF		6" Black Schedule 80 Grooved Pipe	112.40	30.56
23 21 13 23-1393	LF		8" Black Schedule 80 Grooved Pipe	170.48	34.94
23 21 13 23-1394	LF		10" Black Schedule 80 Grooved Pipe	212.46	42.19
23 21 13 23-1395	LF		12" Black Schedule 80 Grooved Pipe	222.41	50.99
23 21 13 23-1396			Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1351)*		
23 21 13 23-1397	LF		3/4" Galvanized Schedule 40 Grooved Pipe	12.78	5.42
23 21 13 23-1398	LF		1" Galvanized Schedule 40 Grooved Pipe	14.86	6.13
23 21 13 23-1399	LF		1-1/4" Galvanized Schedule 40 Grooved Pipe	16.62	6.62
23 21 13 23-1400	LF		1-1/2" Galvanized Schedule 40 Grooved Pipe	18.92	7.54
23 21 13 23-1401	LF		2" Galvanized Schedule 40 Grooved Pipe	23.90	9.58
23 21 13 23-1402	LF		2-1/2" Galvanized Schedule 40 Grooved Pipe	33.55	13.10
23 21 13 23-1403	LF		3" Galvanized Schedule 40 Grooved Pipe	39.99	14.93
23 21 13 23-1404	LF		4" Galvanized Schedule 40 Grooved Pipe	49.86	16.63
23 21 13 23-1405	LF		5" Galvanized Schedule 40 Grooved Pipe	70.91	20.22
23 21 13 23-1406	LF		6" Galvanized Schedule 40 Grooved Pipe	95.13	29.16
23 21 13 23-1407	LF		8" Galvanized Schedule 40 Grooved Pipe	127.87	33.03
23 21 13 23-1408	LF		10" Galvanized Schedule 40 Grooved Pipe	182.21	39.44
23 21 13 23-1409	LF		12" Galvanized Schedule 40 Grooved Pipe	215.58	45.29
23 21 13 23-1410			Schedule 80 Galvanized Grooved Pipe *(23 21 13 23-1351)*		
23 21 13 23-1411	LF		3/4" Galvanized Schedule 80 Grooved Pipe	13.71	5.92
23 21 13 23-1412	LF		1" Galvanized Schedule 80 Grooved Pipe	18.24	6.27
23 21 13 23-1413	LF		1-1/4" Galvanized Schedule 80 Grooved Pipe	18.27	6.97
23 21 13 23-1414	LF		1-1/2" Galvanized Schedule 80 Grooved Pipe	24.11	8.31
23 21 13 23-1415	LF		2" Galvanized Schedule 80 Grooved Pipe	27.10	10.08
23 21 13 23-1416	LF		2-1/2" Galvanized Schedule 80 Grooved Pipe	38.47	13.88
23 21 13 23-1417	LF		3" Galvanized Schedule 80 Grooved Pipe	46.56	15.57
23 21 13 23-1418	LF		4" Galvanized Schedule 80 Grooved Pipe	59.33	16.97
23 21 13 23-1419	LF		5" Galvanized Schedule 80 Grooved Pipe	90.47	21.34
23 21 13 23-1420	LF		6" Galvanized Schedule 80 Grooved Pipe	116.48	30.56
23 21 13 23-1421	LF		8" Galvanized Schedule 80 Grooved Pipe	177.10	34.94
23 21 13 23-1422	LF		10" Galvanized Schedule 80 Grooved Pipe	210.62	42.19
23 21 13 23-1423	LF		12" Galvanized Schedule 80 Grooved Pipe	229.89	50.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1424		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)* Note: Couplings are not included with fittings.		
23 21 13 23-1425		**Grooved Elbows** *(23 21 13 23-1424)*		
23 21 13 23-1426		**90 Degree Grooved Elbows** *(23 21 13 23-1425)* Note: Victaulic No. 10		
23 21 13 23-1427	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved	86.74	7.68
		For Galvanized Fittings, Add	*24.83*	
23 21 13 23-1428	EA	1" 90 Degree Elbow, Ductile Iron, Grooved	86.74	7.68
		For Galvanized Fittings, Add	*24.83*	
23 21 13 23-1429	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	89.62	9.58
		For Galvanized Fittings, Add	*24.83*	
23 21 13 23-1430	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved	92.66	11.62
		For Galvanized Fittings, Add	*24.83*	
23 21 13 23-1431	EA	2" 90 Degree Elbow, Ductile Iron, Grooved	98.25	15.36
		For Galvanized Fittings, Add	*24.83*	
23 21 13 23-1432	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	103.27	18.73
		For Galvanized Fittings, Add	*24.83*	
23 21 13 23-1433	EA	3" 90 Degree Elbow, Ductile Iron, Grooved	167.63	22.68
		For Galvanized Fittings, Add	*44.10*	
23 21 13 23-1434	EA	4" 90 Degree Elbow, Ductile Iron, Grooved	190.42	29.94
		For Galvanized Fittings, Add	*48.03*	
23 21 13 23-1435	EA	5" 90 Degree Elbow, Ductile Iron, Grooved	410.40	37.40
		For Galvanized Fittings, Add	*116.93*	
23 21 13 23-1436	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	485.15	48.96
		For Galvanized Fittings, Add	*135.89*	
23 21 13 23-1437	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	954.00	58.25
		For Galvanized Fittings, Add	*285.99*	
23 21 13 23-1438	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	1,452.14	67.97
		For Galvanized Fittings, Add	*445.58*	
23 21 13 23-1439	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	2,286.51	81.57
		For Galvanized Fittings, Add	*714.19*	
23 21 13 23-1440	EA	14" 90 Degree Elbow, Steel, Grooved	4,638.87	92.06
		For Galvanized Fittings, Add	*1,485.27*	
23 21 13 23-1441	EA	16" 90 Degree Elbow, Steel, Grooved	6,042.20	101.92
		For Galvanized Fittings, Add	*1,943.49*	
23 21 13 23-1442	EA	18" 90 Degree Elbow, Steel, Grooved	7,636.36	111.35
		For Galvanized Fittings, Add	*2,464.91*	
23 21 13 23-1443	EA	20" 90 Degree Elbow, Steel, Grooved	9,989.26	115.80
		For Galvanized Fittings, Add	*3,239.15*	
23 21 13 23-1444	EA	24" 90 Degree Elbow, Steel, Grooved	14,330.12	136.93
		For Galvanized Fittings, Add	*4,661.21*	
23 21 13 23-1445		**45 Degree Grooved Elbows** *(23 21 13 23-1425)* Note: Victaulic No. 11		
23 21 13 23-1446	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	86.68	7.68
		For Galvanized Fittings, Add	*18.04*	
23 21 13 23-1447	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	86.68	7.68
		For Galvanized Fittings, Add	*18.04*	
23 21 13 23-1448	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	89.56	9.58
		For Galvanized Fittings, Add	*18.04*	
23 21 13 23-1449	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	92.60	11.62
		For Galvanized Fittings, Add	*18.04*	
23 21 13 23-1450	EA	2" 45 Degree Elbow, Ductile Iron, Grooved	98.19	15.36
		For Galvanized Fittings, Add	*18.04*	
23 21 13 23-1451	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	103.21	18.73
		For Galvanized Fittings, Add	*18.04*	
23 21 13 23-1452	EA	3" 45 Degree Elbow, Ductile Iron, Grooved	167.58	22.68
		For Galvanized Fittings, Add	*32.06*	
23 21 13 23-1453	EA	4" 45 Degree Elbow, Ductile Iron, Grooved	190.42	29.94
		For Galvanized Fittings, Add	*34.93*	
23 21 13 23-1454	EA	5" 45 Degree Elbow, Ductile Iron, Grooved	410.40	37.40
		For Galvanized Fittings, Add	*85.04*	
23 21 13 23-1455	EA	6" 45 Degree Elbow, Ductile Iron, Grooved	485.15	48.96
		For Galvanized Fittings, Add	*98.83*	
23 21 13 23-1456	EA	8" 45 Degree Elbow, Ductile Iron, Grooved	954.00	58.25
		For Galvanized Fittings, Add	*208.00*	
23 21 13 23-1457	EA	10" 45 Degree Elbow, Ductile Iron, Grooved	1,452.14	67.97
		For Galvanized Fittings, Add	*324.06*	
23 21 13 23-1458	EA	12" 45 Degree Elbow, Ductile Iron, Grooved	2,286.51	81.57
		For Galvanized Fittings, Add	*519.41*	
23 21 13 23-1459	EA	14" 45 Degree Elbow, Steel, Grooved	4,638.87	92.06
		For Galvanized Fittings, Add	*1,080.19*	
23 21 13 23-1460	EA	16" 45 Degree Elbow, Steel, Grooved	6,042.20	101.92
		For Galvanized Fittings, Add	*1,413.45*	
23 21 13 23-1461	EA	18" 45 Degree Elbow, Steel, Grooved	7,636.36	111.35
		For Galvanized Fittings, Add	*1,792.66*	
23 21 13 23-1462	EA	20" 45 Degree Elbow, Steel, Grooved	9,989.56	116.01
		For Galvanized Fittings, Add	*2,355.74*	
23 21 13 23-1463	EA	24" 45 Degree Elbow, Steel, Grooved	14,330.12	136.93
		For Galvanized Fittings, Add	*3,389.97*	
23 21 13 23-1464		**22-1/2 Degree Grooved Elbows** *(23 21 13 23-1425)* Note: Victaulic No. 12		
23 21 13 23-1465	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	91.63	7.68
		For Galvanized Fittings, Add	*19.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1466	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	94.51	9.58
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1467	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	97.55	11.62
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1468	EA	2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	103.14	15.36
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1469	EA	2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	108.16	18.73
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1470	EA	3" 22-1/2 Degree Elbow, Ductile Iron, Grooved	151.18	22.68
		For Galvanized Fittings, Add	*28.13*	
23 21 13 23-1471	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	202.00	29.94
		For Galvanized Fittings, Add	*37.71*	
23 21 13 23-1472	EA	5" 22-1/2 Degree Elbow, Steel, Grooved	543.38	37.40
		For Galvanized Fittings, Add	*116.95*	
23 21 13 23-1473	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved	518.54	48.96
		For Galvanized Fittings, Add	*106.84*	
23 21 13 23-1474	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved	1,018.78	58.25
		For Galvanized Fittings, Add	*223.54*	
23 21 13 23-1475	EA	10" 22-1/2 Degree Elbow, Steel, Grooved	1,380.65	67.97
		For Galvanized Fittings, Add	*306.90*	
23 21 13 23-1476	EA	12" 22-1/2 Degree Elbow, Steel, Grooved	1,851.04	81.57
		For Galvanized Fittings, Add	*414.90*	
23 21 13 23-1477	EA	14" 22-1/2 Degree Elbow, Steel, Grooved	2,134.81	92.06
		For Galvanized Fittings, Add	*479.22*	
23 21 13 23-1478	EA	16" 22-1/2 Degree Elbow, Steel, Grooved	2,547.67	101.92
		For Galvanized Fittings, Add	*574.76*	
23 21 13 23-1479	EA	18" 22-1/2 Degree Elbow, Steel, Grooved	3,067.25	111.35
		For Galvanized Fittings, Add	*696.08*	
23 21 13 23-1480	EA	20" 22-1/2 Degree Elbow, Steel, Grooved	3,602.61	115.80
		For Galvanized Fittings, Add	*822.95*	
23 21 13 23-1481	EA	24" 22-1/2 Degree Elbow, Steel, Grooved	4,813.01	136.93
		For Galvanized Fittings, Add	*1,105.87*	

23 21 13 23-1482 11-1/4 Degree Grooved Elbows *(23 21 13 23-1425)*

Note: Victaulic No. 13

23 21 13 23-1483	EA	1" 11-1/4 Degree Elbow, Ductile Iron, Grooved	91.63	7.68
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1484	EA	1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	94.51	9.58
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1485	EA	1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	97.55	11.62
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1486	EA	2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	103.14	15.36
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1487	EA	2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	108.16	18.73
		For Galvanized Fittings, Add	*19.23*	
23 21 13 23-1488	EA	3" 11-1/4 Degree Elbow, Ductile Iron, Grooved	151.17	22.68
		For Galvanized Fittings, Add	*28.12*	
23 21 13 23-1489	EA	4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	201.99	29.94
		For Galvanized Fittings, Add	*37.71*	
23 21 13 23-1490	EA	5" 11-1/4 Degree Elbow, Steel, Grooved	543.36	37.40
		For Galvanized Fittings, Add	*116.95*	
23 21 13 23-1491	EA	6" 11-1/4 Degree Elbow, Ductile Iron, Grooved	518.52	48.96
		For Galvanized Fittings, Add	*106.84*	
23 21 13 23-1492	EA	8" 11-1/4 Degree Elbow, Ductile Iron, Grooved	1,018.73	58.25
		For Galvanized Fittings, Add	*223.53*	
23 21 13 23-1493	EA	10" 11-1/4 Degree Elbow, Steel, Grooved	1,380.58	67.97
		For Galvanized Fittings, Add	*306.88*	
23 21 13 23-1494	EA	12" 11-1/4 Degree Elbow, Steel, Grooved	1,850.95	81.57
		For Galvanized Fittings, Add	*414.88*	
23 21 13 23-1495	EA	14" 11-1/4 Degree Elbow, Steel, Grooved	2,134.70	92.06
		For Galvanized Fittings, Add	*479.19*	
23 21 13 23-1496	EA	16" 11-1/4 Degree Elbow, Steel, Grooved	2,547.57	101.99
		For Galvanized Fittings, Add	*574.73*	
23 21 13 23-1497	EA	18" 11-1/4 Degree Elbow, Steel, Grooved	3,067.07	111.35
		For Galvanized Fittings, Add	*696.04*	
23 21 13 23-1498	EA	20" 11-1/4 Degree Elbow, Steel, Grooved	3,602.42	115.80
		For Galvanized Fittings, Add	*822.90*	
23 21 13 23-1499	EA	24" 11-1/4 Degree Elbow, Steel, Grooved	4,812.75	136.93
		For Galvanized Fittings, Add	*1,105.80*	

23 21 13 23-1500 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1425)*

Note: Victaulic No. 100

23 21 13 23-1501	EA	2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	195.00	15.36
		For Galvanized Fittings, Add	*41.28*	
23 21 13 23-1502	EA	2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	527.07	18.73
		For Galvanized Fittings, Add	*119.77*	
23 21 13 23-1503	EA	3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	205.97	22.68
		For Galvanized Fittings, Add	*41.28*	
23 21 13 23-1504	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	302.49	29.94
		For Galvanized Fittings, Add	*61.83*	
23 21 13 23-1505	EA	5" 90 Degree Long Radius Elbow, Steel Grooved	1,376.58	37.40
		For Galvanized Fittings, Add	*316.92*	
23 21 13 23-1506	EA	6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	827.04	48.96
		For Galvanized Fittings, Add	*180.88*	
23 21 13 23-1507	EA	8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,895.14	58.25
		For Galvanized Fittings, Add	*433.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1508	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	3,850.22	67.97
		For Galvanized Fittings, Add	*899.60*	
23 21 13 23-1509	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	4,592.16	81.57
		For Galvanized Fittings, Add	*1,072.77*	

23 21 13 23-1510 Grooved Tees, Wyes And Crosses *(23 21 13 23-1424)*

23 21 13 23-1511 Grooved Tees *(23 21 13 23-1510)*

Note: Victaulic No. 20

23 21 13 23-1512	EA	3/4" Tee, Ductile Iron, Grooved	130.10	10.08
		For Galvanized Fittings, Add	*34.49*	
23 21 13 23-1513	EA	1" Tee, Ductile Iron, Grooved	132.38	11.62
		For Galvanized Fittings, Add	*34.49*	
23 21 13 23-1514	EA	1-1/4" Tee, Ductile Iron, Grooved	136.26	14.23
		For Galvanized Fittings, Add	*34.49*	
23 21 13 23-1515	EA	1-1/2" Tee, Ductile Iron, Grooved	141.11	17.46
		For Galvanized Fittings, Add	*34.49*	
23 21 13 23-1516	EA	2" Tee, Ductile Iron, Grooved	148.80	22.61
		For Galvanized Fittings, Add	*34.49*	
23 21 13 23-1517	EA	2-1/2" Tee, Ductile Iron, Grooved	156.49	27.68
		For Galvanized Fittings, Add	*34.49*	
23 21 13 23-1518	EA	3" Tee, Ductile Iron, Grooved	212.01	34.02
		For Galvanized Fittings, Add	*48.31*	
23 21 13 23-1519	EA	4" Tee, Ductile Iron, Grooved	312.99	44.02
		For Galvanized Fittings, Add	*74.10*	
23 21 13 23-1520	EA	5" Tee, Ductile Iron, Grooved	665.78	57.54
		For Galvanized Fittings, Add	*173.85*	
23 21 13 23-1521	EA	6" Tee, Ductile Iron, Grooved	777.67	71.98
		For Galvanized Fittings, Add	*200.93*	
23 21 13 23-1522	EA	8" Tee, Ductile Iron, Grooved	1,594.05	87.41
		For Galvanized Fittings, Add	*438.91*	
23 21 13 23-1523	EA	10" Tee, Ductile Iron, Grooved	2,765.41	101.92
		For Galvanized Fittings, Add	*783.77*	
23 21 13 23-1524	EA	12" Tee, Ductile Iron, Grooved	3,841.01	122.35
		For Galvanized Fittings, Add	*1,097.27*	
23 21 13 23-1525	EA	14" Tee, Steel, Grooved	4,193.89	135.94
		For Galvanized Fittings, Add	*1,197.03*	
23 21 13 23-1526	EA	16" Tee, Steel, Grooved	5,287.59	136.72
		For Galvanized Fittings, Add	*1,524.79*	
23 21 13 23-1527	EA	18" Tee, Steel, Grooved	6,591.22	150.81
		For Galvanized Fittings, Add	*1,909.55*	
23 21 13 23-1528	EA	20" Tee, Steel, Grooved	9,349.85	153.20
		For Galvanized Fittings, Add	*2,736.06*	
23 21 13 23-1529	EA	24" Tee, Steel, Grooved	14,295.01	188.20
		For Galvanized Fittings, Add	*4,203.85*	

23 21 13 23-1530 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1510)*

Note: Victaulic No. 33

23 21 13 23-1531	EA	1" Wye, Steel, Grooved	502.45	11.62
		For Galvanized Fittings, Add	*77.60*	
23 21 13 23-1532	EA	1-1/4" Wye, Steel, Grooved	506.33	14.23
		For Galvanized Fittings, Add	*77.60*	
23 21 13 23-1533	EA	1-1/2" Wye, Steel, Grooved	511.18	17.46
		For Galvanized Fittings, Add	*77.60*	
23 21 13 23-1534	EA	2" Wye, Steel, Grooved	518.87	22.61
		For Galvanized Fittings, Add	*77.60*	
23 21 13 23-1535	EA	2-1/2" Wye, Steel, Grooved	526.56	27.68
		For Galvanized Fittings, Add	*77.60*	
23 21 13 23-1536	EA	3" Wye, Steel, Grooved	630.75	34.02
		For Galvanized Fittings, Add	*92.76*	
23 21 13 23-1537	EA	4" Wye, Steel, Grooved	825.36	44.02
		For Galvanized Fittings, Add	*121.50*	
23 21 13 23-1538	EA	5" Wye, Steel, Grooved	1,174.74	57.54
		For Galvanized Fittings, Add	*174.16*	
23 21 13 23-1539	EA	6" Wye, Steel, Grooved	1,454.65	71.98
		For Galvanized Fittings, Add	*215.48*	
23 21 13 23-1540	EA	8" Wye, Steel, Grooved	2,070.71	87.41
		For Galvanized Fittings, Add	*310.35*	
23 21 13 23-1541	EA	10" Wye, Steel, Grooved	3,500.73	101.92
		For Galvanized Fittings, Add	*535.66*	
23 21 13 23-1542	EA	12" Wye, Steel, Grooved	3,882.05	122.35
		For Galvanized Fittings, Add	*591.78*	
23 21 13 23-1543	EA	14" Wye, Steel, Grooved	4,427.22	135.94
		For Galvanized Fittings, Add	*675.75*	
23 21 13 23-1544	EA	16" Wye, Steel, Grooved	5,690.43	136.58
		For Galvanized Fittings, Add	*877.71*	
23 21 13 23-1545	EA	18" Wye, Steel, Grooved	6,501.30	150.95
		For Galvanized Fittings, Add	*1,003.99*	
23 21 13 23-1546	EA	20" Wye, Steel, Grooved	9,330.11	152.91
		For Galvanized Fittings, Add	*1,456.13*	
23 21 13 23-1547	EA	24" Wye, Steel, Grooved	14,431.43	188.20
		For Galvanized Fittings, Add	*2,263.88*	

23 21 13 23-1548 Grooved Crosses *(23 21 13 23-1510)*

Note: Victaulic No. 35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1549	EA	3/4" Cross, Steel, Grooved	336.72	15.15
		For Galvanized Fittings, Add	*47.10*	
23 21 13 23-1550	EA	1" Cross, Steel, Grooved	340.17	17.46
		For Galvanized Fittings, Add	*47.10*	
23 21 13 23-1551	EA	1-1/4" Cross, Steel, Grooved	410.97	21.34
		For Galvanized Fittings, Add	*56.85*	
23 21 13 23-1552	EA	1-1/2" Cross, Steel, Grooved	447.61	26.20
		For Galvanized Fittings, Add	*61.26*	
23 21 13 23-1553	EA	2" Cross, Steel, Grooved	281.57	33.88
		For Galvanized Fittings, Add	*34.62*	
23 21 13 23-1554	EA	2-1/2" Cross, Steel, Grooved	293.10	41.56
		For Galvanized Fittings, Add	*34.62*	
23 21 13 23-1555	EA	3" Cross, Steel, Grooved	491.19	50.99
		For Galvanized Fittings, Add	*62.21*	
23 21 13 23-1556	EA	4" Cross, Steel, Grooved	789.32	66.00
		For Galvanized Fittings, Add	*103.55*	
23 21 13 23-1557	EA	5" Cross, Steel, Grooved	1,539.75	86.28
		For Galvanized Fittings, Add	*211.55*	
23 21 13 23-1558	EA	6" Cross, Steel, Grooved	1,976.39	107.98
		For Galvanized Fittings, Add	*272.18*	
23 21 13 23-1559	EA	8" Cross, Steel, Grooved	2,586.28	131.09
		For Galvanized Fittings, Add	*358.46*	
23 21 13 23-1560	EA	10" Cross, Steel, Grooved	4,305.13	152.91
		For Galvanized Fittings, Add	*611.38*	
23 21 13 23-1561	EA	12" Cross, Steel, Grooved	6,156.91	183.56
		For Galvanized Fittings, Add	*882.27*	
23 21 13 23-1562	EA	14" Cross, Steel, Grooved	6,399.54	203.91
		For Galvanized Fittings, Add	*914.07*	
23 21 13 23-1563	EA	16" Cross, Steel, Grooved	8,279.17	205.11
		For Galvanized Fittings, Add	*1,195.76*	
23 21 13 23-1564	EA	18" Cross, Steel, Grooved	10,110.51	226.17
		For Galvanized Fittings, Add	*1,465.71*	
23 21 13 23-1565	EA	20" Cross, Steel, Grooved	14,187.73	229.69
		For Galvanized Fittings, Add	*2,076.50*	
23 21 13 23-1566	EA	24" Cross, Steel, Grooved	21,794.36	282.31
		For Galvanized Fittings, Add	*3,205.66*	

23 21 13 23-1567 Grooved Reducing Tees *(23 21 13 23-1510)*

Note: Victaulic No. 25

23 21 13 23-1568	EA	1" Reducing Tee, Steel, Grooved	239.23	11.62
		For Galvanized Fittings, Add	*44.36*	
23 21 13 23-1569	EA	1-1/4" Reducing Tee, Steel, Grooved	250.08	14.23
		For Galvanized Fittings, Add	*45.75*	
23 21 13 23-1570	EA	1-1/2" Reducing Tee, Steel, Grooved	260.63	17.46
		For Galvanized Fittings, Add	*46.89*	
23 21 13 23-1571	EA	2" Reducing Tee, Steel, Grooved	308.34	22.61
		For Galvanized Fittings, Add	*54.90*	
23 21 13 23-1572	EA	2-1/2" Reducing Tee, Steel, Grooved	344.28	27.68
		For Galvanized Fittings, Add	*60.55*	
23 21 13 23-1573	EA	3" Reducing Tee, Steel, Grooved	382.35	34.02
		For Galvanized Fittings, Add	*66.27*	
23 21 13 23-1574	EA	4" Reducing Tee, Steel, Grooved	512.87	44.02
		For Galvanized Fittings, Add	*89.38*	
23 21 13 23-1575	EA	5" Reducing Tee, Steel, Grooved	676.36	57.54
		For Galvanized Fittings, Add	*118.02*	
23 21 13 23-1576	EA	6" Reducing Tee, Steel, Grooved	938.01	71.98
		For Galvanized Fittings, Add	*166.02*	
23 21 13 23-1577	EA	8" Reducing Tee, Steel, Grooved	1,500.70	87.41
		For Galvanized Fittings, Add	*273.94*	
23 21 13 23-1578	EA	10" Reducing Tee, Steel, Grooved	2,172.04	101.92
		For Galvanized Fittings, Add	*403.84*	
23 21 13 23-1579	EA	12" Reducing Tee, Steel, Grooved	3,162.06	122.35
		For Galvanized Fittings, Add	*595.73*	
23 21 13 23-1580	EA	14" Reducing Tee, Steel, Grooved	3,586.89	135.94
		For Galvanized Fittings, Add	*676.62*	
23 21 13 23-1581	EA	16" Reducing Tee, Steel, Grooved	4,599.54	136.72
		For Galvanized Fittings, Add	*878.91*	
23 21 13 23-1582	EA	18" Reducing Tee, Steel, Grooved	5,606.08	150.81
		For Galvanized Fittings, Add	*1,076.01*	
23 21 13 23-1583	EA	20" Reducing Tee, Steel, Grooved	7,924.00	153.12
		For Galvanized Fittings, Add	*1,538.88*	
23 21 13 23-1584	EA	24" Reducing Tee, Steel, Grooved	12,676.30	188.20
		For Galvanized Fittings, Add	*2,478.82*	

23 21 13 23-1585 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1510)*

Note: Victaulic No. 30

23 21 13 23-1586	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved	474.47	10.08
		For Galvanized Fittings, Add	*82.68*	
23 21 13 23-1587	EA	1" 45 Degree Lateral Wye, Steel, Grooved	476.75	11.62
		For Galvanized Fittings, Add	*82.68*	
23 21 13 23-1588	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved	480.63	14.23
		For Galvanized Fittings, Add	*82.68*	
23 21 13 23-1589	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved	485.48	17.46
		For Galvanized Fittings, Add	*82.68*	
23 21 13 23-1590	EA	2" 45 Degree Lateral Wye, Steel, Grooved	493.17	22.61
		For Galvanized Fittings, Add	*82.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1591	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	500.86	27.68
		For Galvanized Fittings, Add	*82.68*	
23 21 13 23-1592	EA	3" Wye, 45 Degree Lateral, Steel, Grooved	447.79	34.02
		For Galvanized Fittings, Add	*71.43*	
23 21 13 23-1593	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	731.05	39.23
		For Galvanized Fittings, Add	*121.01*	
23 21 13 23-1594	EA	4" 45 Degree Lateral Wye, Steel, Grooved	848.54	44.02
		For Galvanized Fittings, Add	*140.86*	
23 21 13 23-1595	EA	5" 45 Degree Lateral Wye, Steel, Grooved	1,229.96	57.54
		For Galvanized Fittings, Add	*205.86*	
23 21 13 23-1596	EA	6" 45 Degree Lateral Wye, Steel, Grooved	1,950.58	71.98
		For Galvanized Fittings, Add	*331.68*	
23 21 13 23-1597	EA	8" 45 Degree Lateral Wye, Steel, Grooved	2,785.15	87.41
		For Galvanized Fittings, Add	*477.74*	
23 21 13 23-1598	EA	10" 45 Degree Lateral Wye, Steel, Grooved	3,899.10	101.92
		For Galvanized Fittings, Add	*674.33*	
23 21 13 23-1599	EA	12" 45 Degree Lateral Wye, Steel, Grooved	4,712.82	122.35
		For Galvanized Fittings, Add	*815.29*	
23 21 13 23-1600	EA	14" 45 Degree Lateral Wye, Steel, Grooved	6,814.73	135.94
		For Galvanized Fittings, Add	*1,189.97*	
23 21 13 23-1601	EA	16" 45 Degree Lateral Wye, Steel, Grooved	8,463.82	136.72
		For Galvanized Fittings, Add	*1,486.59*	
23 21 13 23-1602	EA	18" 45 Degree Lateral Wye, Steel, Grooved	9,458.41	150.81
		For Galvanized Fittings, Add	*1,661.83*	
23 21 13 23-1603	EA	20" 45 Degree Lateral Wye, Steel, Grooved	14,233.54	153.12
		For Galvanized Fittings, Add	*2,520.71*	
23 21 13 23-1604	EA	24" 45 Degree Lateral Wye, Steel, Grooved	22,043.30	188.20
		For Galvanized Fittings, Add	*3,917.00*	

23 21 13 23-1605 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1510)*

Note: Victaulic No. 30R

23 21 13 23-1606	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved	447.79	34.02
		For Galvanized Fittings, Add	*51.59*	
23 21 13 23-1607	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved	848.54	44.02
		For Galvanized Fittings, Add	*101.73*	
23 21 13 23-1608	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,229.96	57.54
		For Galvanized Fittings, Add	*148.68*	
23 21 13 23-1609	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,585.54	71.98
		For Galvanized Fittings, Add	*192.09*	
23 21 13 23-1610	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,264.13	87.41
		For Galvanized Fittings, Add	*277.30*	
23 21 13 23-1611	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,765.31	101.92
		For Galvanized Fittings, Add	*339.62*	
23 21 13 23-1612	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,358.21	122.35
		For Galvanized Fittings, Add	*412.72*	
23 21 13 23-1613	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,760.36	135.94
		For Galvanized Fittings, Add	*462.35*	
23 21 13 23-1614	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved	4,802.16	136.72
		For Galvanized Fittings, Add	*597.63*	
23 21 13 23-1615	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved	7,285.00	150.81
		For Galvanized Fittings, Add	*917.66*	
23 21 13 23-1616	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved	10,562.05	153.12
		For Galvanized Fittings, Add	*1,343.22*	
23 21 13 23-1617	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved	17,010.85	188.20
		For Galvanized Fittings, Add	*2,174.73*	

23 21 13 23-1618 Mechanical-T Outlet *(23 21 13 23-1510)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1619	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	127.10	25.35
		For Galvanized Fittings, Add	*18.94*	
23 21 13 23-1620	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	127.10	25.35
		For Galvanized Fittings, Add	*18.94*	
23 21 13 23-1621	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	139.02	25.35
		For Galvanized Fittings, Add	*21.90*	
23 21 13 23-1622	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	139.02	25.35
23 21 13 23-1623	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	133.45	28.53
23 21 13 23-1624	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	133.45	28.53
23 21 13 23-1625	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	164.93	28.53
23 21 13 23-1626	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	151.36	31.69
23 21 13 23-1627	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	151.36	31.69
23 21 13 23-1628	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	176.71	31.69
23 21 13 23-1629	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	176.71	31.69
23 21 13 23-1630	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	194.07	31.69
23 21 13 23-1631	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	196.67	42.26
23 21 13 23-1632	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	196.67	42.26
23 21 13 23-1633	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	216.46	42.26
23 21 13 23-1634	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	222.01	42.26
23 21 13 23-1635	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	222.01	42.26
23 21 13 23-1636	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	227.57	42.26
23 21 13 23-1637	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	238.22	42.26
23 21 13 23-1638	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	285.08	58.11
23 21 13 23-1639	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	285.08	58.11
23 21 13 23-1640	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	294.68	58.11
23 21 13 23-1641	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	306.72	58.11
23 21 13 23-1642	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	320.70	73.96
23 21 13 23-1643	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	320.70	73.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1644	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	334.82	73.96
23 21 13 23-1645	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.74	73.96
23 21 13 23-1646	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	367.92	73.96
23 21 13 23-1647	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	501.58	97.90
23 21 13 23-1648	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	501.58	97.90
23 21 13 23-1649	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	518.60	97.90
23 21 13 23-1650	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	528.67	97.90

23 21 13 23-1651 Installation-Ready™ Grooved Fittings *(23 21 13 23-1424)*

23 21 13 23-1652 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1651)*

Note: Victaulic No. 101

23 21 13 23-1653	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	152.61	6.97
		For Galvanized Fittings, Add	*46.88*	
		For Galvanized Fittings, Add	*36.36*	
23 21 13 23-1654	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	158.90	8.36
		For Galvanized Fittings, Add	*48.25*	
		For Galvanized Fittings, Add	*37.43*	
23 21 13 23-1655	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	164.17	11.16
		For Galvanized Fittings, Add	*48.60*	
		For Galvanized Fittings, Add	*37.70*	
23 21 13 23-1656	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	198.69	13.95
		For Galvanized Fittings, Add	*58.59*	
		For Galvanized Fittings, Add	*45.46*	

23 21 13 23-1657 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1651)*

Note: Victaulic No. 103

23 21 13 23-1658	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	152.61	6.97
		For Galvanized Fittings, Add	*34.09*	
		For Galvanized Fittings, Add	*36.36*	
23 21 13 23-1659	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	158.90	8.36
		For Galvanized Fittings, Add	*35.09*	
		For Galvanized Fittings, Add	*37.43*	
23 21 13 23-1660	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	164.17	11.16
		For Galvanized Fittings, Add	*35.34*	
		For Galvanized Fittings, Add	*37.70*	
23 21 13 23-1661	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	198.69	13.95
		For Galvanized Fittings, Add	*42.61*	
		For Galvanized Fittings, Add	*45.46*	

23 21 13 23-1662 Installation-Ready™ Grooved Tees *(23 21 13 23-1651)*

Note: Victaulic No. 102

23 21 13 23-1663	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	233.42	9.30
		For Galvanized Fittings, Add	*65.80*	
		For Galvanized Fittings, Add	*56.15*	
23 21 13 23-1664	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	243.55	11.16
		For Galvanized Fittings, Add	*68.00*	
		For Galvanized Fittings, Add	*58.02*	
23 21 13 23-1665	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	252.32	14.87
		For Galvanized Fittings, Add	*68.93*	
		For Galvanized Fittings, Add	*58.82*	
23 21 13 23-1666	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	293.47	18.59
		For Galvanized Fittings, Add	*79.59*	
		For Galvanized Fittings, Add	*67.91*	

23 21 13 23-1667 Grooved Fittings *(23 21 13 23-1424)*

23 21 13 23-1668 Flanged Adapter Nipple, Grooved *(23 21 13 23-1667)*

Note: Victaulic No. 41 and 45

23 21 13 23-1669	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	335.93	8.45
		For Galvanized Fittings, Add	*58.19*	
		For 300 LB Rating, Add	*48.49*	
23 21 13 23-1670	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	337.34	9.37
		For Galvanized Fittings, Add	*58.19*	
		For 300 LB Rating, Add	*48.49*	
23 21 13 23-1671	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	340.86	11.76
		For Galvanized Fittings, Add	*58.19*	
		For 300 LB Rating, Add	*48.49*	
23 21 13 23-1672	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	348.27	16.70
		For Galvanized Fittings, Add	*58.19*	
		For 300 LB Rating, Add	*48.49*	
23 21 13 23-1673	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	353.56	20.22
		For Galvanized Fittings, Add	*58.19*	
		For 300 LB Rating, Add	*48.49*	
23 21 13 23-1674	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	449.79	24.16
		For Galvanized Fittings, Add	*74.45*	
		For 300 LB Rating, Add	*62.04*	
23 21 13 23-1675	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	542.04	32.54
		For Galvanized Fittings, Add	*88.79*	
		For 300 LB Rating, Add	*73.99*	
23 21 13 23-1676	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	763.89	39.37
		For Galvanized Fittings, Add	*126.87*	
		For 300 LB Rating, Add	*105.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1677	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	883.96	53.18
		For Galvanized Fittings, Add	*144.76*	
		For 300 LB Rating, Add	*120.63*	
23 21 13 23-1678	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,217.97	71.98
		For Galvanized Fittings, Add	*199.81*	
		For 300 LB Rating, Add	*166.51*	
23 21 13 23-1679	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,942.50	87.41
		For Galvanized Fittings, Add	*326.07*	
		For 300 LB Rating, Add	*271.72*	
23 21 13 23-1680	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,629.70	101.92
		For Galvanized Fittings, Add	*445.83*	
		For 300 LB Rating, Add	*371.53*	
23 21 13 23-1681	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,104.31	122.35
		For Galvanized Fittings, Add	*525.76*	
		For 300 LB Rating, Add	*438.13*	
23 21 13 23-1682	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,702.01	135.94
		For Galvanized Fittings, Add	*809.68*	
		For 300 LB Rating, Add	*674.73*	
23 21 13 23-1683	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,589.24	203.91
		For Galvanized Fittings, Add	*951.03*	
		For 300 LB Rating, Add	*792.53*	
23 21 13 23-1684	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,873.99	244.70
		For Galvanized Fittings, Add	*991.29*	
		For 300 LB Rating, Add	*826.07*	
23 21 13 23-1685	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	9,908.12	271.89
		For Galvanized Fittings, Add	*1,710.09*	
		For 300 LB Rating, Add	*1,425.08*	

23 21 13 23-1686 Grooved Concentric Reducers *(23 21 13 23-1667)*

Note: Victaulic No. 50

23 21 13 23-1687	EA	1-1/4" x 3/4" Concentric Reducer, Grooved	357.45	8.45
		For Galvanized Fittings, Add	*15.17*	
23 21 13 23-1688	EA	1-1/4" x 1" Concentric Reducer, Grooved	373.70	8.95
		For Galvanized Fittings, Add	*15.85*	
23 21 13 23-1689	EA	1-1/2" x 3/4" Concentric Reducer, Grooved	421.38	9.65
		For Galvanized Fittings, Add	*48.91*	
23 21 13 23-1690	EA	1-1/2" x 1" Concentric Reducer, Grooved	102.29	10.08
		For Galvanized Fittings, Add	*10.47*	
23 21 13 23-1691	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved	353.14	10.56
		For Galvanized Fittings, Add	*40.54*	
23 21 13 23-1692	EA	2" x 3/4" Concentric Reducer, Grooved	104.39	11.48
		For Galvanized Fittings, Add	*10.47*	
23 21 13 23-1693	EA	2" x 1" Concentric Reducer, Grooved	105.10	11.97
		For Galvanized Fittings, Add	*10.47*	
23 21 13 23-1694	EA	2" x 1-1/4" Concentric Reducer, Grooved	114.55	12.47
		For Galvanized Fittings, Add	*11.53*	
23 21 13 23-1695	EA	2" x 1-1/2" Concentric Reducer, Grooved	107.96	13.88
		For Galvanized Fittings, Add	*10.47*	
23 21 13 23-1696	EA	2-1/2" x 3/4" Concentric Reducer, Grooved	728.66	12.96
		For Galvanized Fittings, Add	*85.25*	
23 21 13 23-1697	EA	2-1/2" x 1" Concentric Reducer, Grooved	576.48	13.45
		For Galvanized Fittings, Add	*66.87*	
23 21 13 23-1698	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved	524.46	13.88
		For Galvanized Fittings, Add	*60.54*	
23 21 13 23-1699	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved	110.03	15.29
		For Galvanized Fittings, Add	*10.47*	
23 21 13 23-1700	EA	2-1/2" x 2" Concentric Reducer, Grooved	112.85	17.11
		For Galvanized Fittings, Add	*10.47*	
23 21 13 23-1701	EA	3" x 3/4" Concentric Reducer, Grooved	736.41	15.08
		For Galvanized Fittings, Add	*108.50*	
23 21 13 23-1702	EA	3" x 1" Concentric Reducer, Grooved	119.45	15.50
		For Galvanized Fittings, Add	*14.63*	
23 21 13 23-1703	EA	3" x 1-1/4" Concentric Reducer, Grooved	576.83	15.99
		For Galvanized Fittings, Add	*84.04*	
23 21 13 23-1704	EA	3" x 1-1/2" Concentric Reducer, Grooved	539.48	17.11
		For Galvanized Fittings, Add	*78.09*	
23 21 13 23-1705	EA	3" x 2" Concentric Reducer, Grooved	104.97	19.02
		For Galvanized Fittings, Add	*11.62*	
23 21 13 23-1706	EA	3" x 2-1/2" Concentric Reducer, Grooved	139.32	22.68
		For Galvanized Fittings, Add	*16.01*	
23 21 13 23-1707	EA	3-1/2" x 3" Concentric Reducer, Grooved	148.86	24.44
		For Galvanized Fittings, Add	*17.06*	
23 21 13 23-1708	EA	4" x 1" Concentric Reducer, Grooved	144.57	19.23
		For Galvanized Fittings, Add	*19.84*	
23 21 13 23-1709	EA	4" x 1-1/4" Concentric Reducer, Grooved	944.19	19.72
		For Galvanized Fittings, Add	*156.85*	
23 21 13 23-1710	EA	4" x 1-1/2" Concentric Reducer, Grooved	730.57	20.92
		For Galvanized Fittings, Add	*119.92*	
23 21 13 23-1711	EA	4" x 2" Concentric Reducer, Grooved	135.92	22.83
		For Galvanized Fittings, Add	*17.45*	
23 21 13 23-1712	EA	4" x 2-1/2" Concentric Reducer, Grooved	164.18	24.44
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1713	EA	4" x 3" Concentric Reducer, Grooved	166.99	26.34
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1714	EA	4" x 3-1/2" Concentric Reducer, Grooved	169.81	28.18
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1715	EA	5" x 2" Concentric Reducer, Grooved	1,326.93	26.55
		For Galvanized Fittings, Add	*220.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1716	EA	5" x 2-1/2" Concentric Reducer, Grooved	1,040.90	28.18
		For Galvanized Fittings, Add	*171.27*	
23 21 13 23-1717	EA	5" x 3" Concentric Reducer, Grooved	194.40	30.08
		For Galvanized Fittings, Add	*25.61*	
23 21 13 23-1718	EA	5" x 4" Concentric Reducer, Grooved	229.04	33.81
		For Galvanized Fittings, Add	*30.58*	
23 21 13 23-1719	EA	6" x 1" Concentric Reducer, Grooved	280.11	28.67
		For Galvanized Fittings, Add	*44.25*	
23 21 13 23-1720	EA	6" x 1-1/2" Concentric Reducer, Grooved	1,398.74	30.29
		For Galvanized Fittings, Add	*252.53*	
23 21 13 23-1721	EA	6" x 2" Concentric Reducer, Grooved	285.38	32.19
		For Galvanized Fittings, Add	*44.25*	
23 21 13 23-1722	EA	6" x 2-1/2" Concentric Reducer, Grooved	1,411.75	33.81
		For Galvanized Fittings, Add	*253.97*	
23 21 13 23-1723	EA	6" x 3" Concentric Reducer, Grooved	290.68	35.71
		For Galvanized Fittings, Add	*44.25*	
23 21 13 23-1724	EA	6" x 4" Concentric Reducer, Grooved	265.69	39.44
		For Galvanized Fittings, Add	*38.54*	
23 21 13 23-1725	EA	6" x 5" Concentric Reducer, Grooved	370.33	43.25
		For Galvanized Fittings, Add	*57.01*	
23 21 13 23-1726	EA	8" x 3" Concentric Reducer, Grooved	484.31	40.43
		For Galvanized Fittings, Add	*79.07*	
23 21 13 23-1727	EA	8" x 4" Concentric Reducer, Grooved	489.94	44.16
		For Galvanized Fittings, Add	*79.07*	
23 21 13 23-1728	EA	8" x 5" Concentric Reducer, Grooved	495.58	47.90
		For Galvanized Fittings, Add	*79.07*	
23 21 13 23-1729	EA	8" x 6" Concentric Reducer, Grooved	620.66	53.53
		For Galvanized Fittings, Add	*100.83*	
23 21 13 23-1730	EA	10" x 4" Concentric Reducer, Grooved	1,082.49	49.10
		For Galvanized Fittings, Add	*188.26*	
23 21 13 23-1731	EA	10" x 5" Concentric Reducer, Grooved	2,303.19	52.83
		For Galvanized Fittings, Add	*414.99*	
23 21 13 23-1732	EA	10" x 6" Concentric Reducer, Grooved	1,190.97	58.46
		For Galvanized Fittings, Add	*205.87*	
23 21 13 23-1733	EA	10" x 8" Concentric Reducer, Grooved	1,198.01	63.18
		For Galvanized Fittings, Add	*205.87*	
23 21 13 23-1734	EA	12" x 4" Concentric Reducer, Grooved	3,423.58	55.93
		For Galvanized Fittings, Add	*500.97*	
23 21 13 23-1735	EA	12" x 6" Concentric Reducer, Grooved	1,413.78	65.29
		For Galvanized Fittings, Add	*197.39*	
23 21 13 23-1736	EA	12" x 8" Concentric Reducer, Grooved	2,081.62	70.02
		For Galvanized Fittings, Add	*296.50*	
23 21 13 23-1737	EA	12" x 10" Concentric Reducer, Grooved	2,089.04	74.94
		For Galvanized Fittings, Add	*296.50*	
23 21 13 23-1738	EA	14" x 6" Concentric Reducer, Grooved	6,812.33	70.37
		For Galvanized Fittings, Add	*205.90*	
23 21 13 23-1739	EA	14" x 8" Concentric Reducer, Grooved	4,049.24	75.09
		For Galvanized Fittings, Add	*120.86*	
23 21 13 23-1740	EA	14" x 10" Concentric Reducer, Grooved	3,443.83	80.01
		For Galvanized Fittings, Add	*102.04*	
23 21 13 23-1741	EA	14" x 12" Concentric Reducer, Grooved	3,454.03	86.78
		For Galvanized Fittings, Add	*102.04*	
23 21 13 23-1742	EA	16" x 8" Concentric Reducer, Grooved	6,185.50	80.08
		For Galvanized Fittings, Add	*186.21*	
23 21 13 23-1743	EA	16" x 10" Concentric Reducer, Grooved	5,735.31	85.01
		For Galvanized Fittings, Add	*172.16*	
23 21 13 23-1744	EA	16" x 12" Concentric Reducer, Grooved	5,296.99	91.84
		For Galvanized Fittings, Add	*158.39*	
23 21 13 23-1745	EA	16" x 14" Concentric Reducer, Grooved	5,304.59	96.92
		For Galvanized Fittings, Add	*158.39*	
23 21 13 23-1746	EA	18" x 10" Concentric Reducer, Grooved	8,053.18	89.74
		For Galvanized Fittings, Add	*243.10*	
23 21 13 23-1747	EA	18" x 12" Concentric Reducer, Grooved	7,284.58	96.50
		For Galvanized Fittings, Add	*219.19*	
23 21 13 23-1748	EA	18" x 14" Concentric Reducer, Grooved	6,616.02	101.57
		For Galvanized Fittings, Add	*198.44*	
23 21 13 23-1749	EA	18" x 16" Concentric Reducer, Grooved	6,623.63	106.71
		For Galvanized Fittings, Add	*198.44*	
23 21 13 23-1750	EA	20" x 10" Concentric Reducer, Grooved	8,866.96	92.06
		For Galvanized Fittings, Add	*267.98*	
23 21 13 23-1751	EA	20" x 12" Concentric Reducer, Grooved	7,590.30	98.89
		For Galvanized Fittings, Add	*228.47*	
23 21 13 23-1752	EA	20" x 14" Concentric Reducer, Grooved	7,597.91	103.97
		For Galvanized Fittings, Add	*228.47*	
23 21 13 23-1753	EA	20" x 16" Concentric Reducer, Grooved	6,765.76	108.97
		For Galvanized Fittings, Add	*202.69*	
23 21 13 23-1754	EA	20" x 18" Concentric Reducer, Grooved	7,211.13	113.68
		For Galvanized Fittings, Add	*216.15*	
23 21 13 23-1755	EA	24" x 10" Concentric Reducer, Grooved	19,604.81	102.42
		For Galvanized Fittings, Add	*597.15*	
23 21 13 23-1756	EA	24" x 12" Concentric Reducer, Grooved	19,145.31	109.25
		For Galvanized Fittings, Add	*582.73*	
23 21 13 23-1757	EA	24" x 14" Concentric Reducer, Grooved	16,674.32	114.25
		For Galvanized Fittings, Add	*506.64*	
23 21 13 23-1758	EA	24" x 16" Concentric Reducer, Grooved	16,681.98	119.39
		For Galvanized Fittings, Add	*506.64*	
23 21 13 23-1759	EA	24" x 18" Concentric Reducer, Grooved	14,272.22	124.04
		For Galvanized Fittings, Add	*432.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1760	EA	24" x 20" Concentric Reducer, Grooved	13,028.06	126.43
		For Galvanized Fittings, Add	*394.14*	
23 21 13 23-1761		**Grooved Eccentric Reducers** *(23 21 13 23-1667)*		
		Note: Victaulic No. 51		
23 21 13 23-1762	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved	435.42	9.65
		For Galvanized Fittings, Add	*50.60*	
23 21 13 23-1763	EA	1-1/2" x 1" Eccentric Reducer, Grooved	395.15	10.08
		For Galvanized Fittings, Add	*45.68*	
23 21 13 23-1764	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved	387.56	10.56
		For Galvanized Fittings, Add	*44.68*	
23 21 13 23-1765	EA	2" x 3/4" Eccentric Reducer, Grooved	835.27	11.48
		For Galvanized Fittings, Add	*98.33*	
23 21 13 23-1766	EA	2" x 1" Eccentric Reducer, Grooved	437.56	11.97
		For Galvanized Fittings, Add	*50.44*	
23 21 13 23-1767	EA	2" x 1-1/4" Eccentric Reducer, Grooved	478.67	12.47
		For Galvanized Fittings, Add	*55.29*	
23 21 13 23-1768	EA	2" x 1-1/2" Eccentric Reducer, Grooved	405.89	13.88
		For Galvanized Fittings, Add	*46.29*	
23 21 13 23-1769	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved	1,087.25	12.96
		For Galvanized Fittings, Add	*128.35*	
23 21 13 23-1770	EA	2-1/2" x 1" Eccentric Reducer, Grooved	1,014.96	13.45
		For Galvanized Fittings, Add	*119.58*	
23 21 13 23-1771	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved	598.59	13.88
		For Galvanized Fittings, Add	*69.45*	
23 21 13 23-1772	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved	480.71	15.29
		For Galvanized Fittings, Add	*55.03*	
23 21 13 23-1773	EA	2-1/2" x 2" Eccentric Reducer, Grooved	210.13	17.11
		For Galvanized Fittings, Add	*22.17*	
23 21 13 23-1774	EA	3" x 1" Eccentric Reducer, Grooved	1,090.34	15.50
		For Galvanized Fittings, Add	*128.27*	
23 21 13 23-1775	EA	3" x 1-1/4" Eccentric Reducer, Grooved	989.98	15.99
		For Galvanized Fittings, Add	*116.12*	
23 21 13 23-1776	EA	3" x 1-1/2" Eccentric Reducer, Grooved	555.25	17.11
		For Galvanized Fittings, Add	*63.65*	
23 21 13 23-1777	EA	3" x 2" Eccentric Reducer, Grooved	240.46	19.02
		For Galvanized Fittings, Add	*25.47*	
23 21 13 23-1778	EA	3" x 2-1/2" Eccentric Reducer, Grooved	245.92	22.68
		For Galvanized Fittings, Add	*25.47*	
23 21 13 23-1779	EA	3-1/2" x 3" Eccentric Reducer, Grooved	1,209.08	24.44
		For Galvanized Fittings, Add	*140.93*	
23 21 13 23-1780	EA	4" x 1" Eccentric Reducer, Grooved	2,191.93	19.23
		For Galvanized Fittings, Add	*370.96*	
23 21 13 23-1781	EA	4" x 1-1/2" Eccentric Reducer, Grooved	1,339.54	20.92
		For Galvanized Fittings, Add	*224.35*	
23 21 13 23-1782	EA	4" x 2" Eccentric Reducer, Grooved	293.29	22.83
		For Galvanized Fittings, Add	*44.44*	
23 21 13 23-1783	EA	4" x 2-1/2" Eccentric Reducer, Grooved	295.76	24.44
		For Galvanized Fittings, Add	*44.44*	
23 21 13 23-1784	EA	4" x 3" Eccentric Reducer, Grooved	298.57	26.34
		For Galvanized Fittings, Add	*44.44*	
23 21 13 23-1785	EA	5" x 2" Eccentric Reducer, Grooved	1,482.34	26.55
		For Galvanized Fittings, Add	*247.39*	
23 21 13 23-1786	EA	5" x 2-1/2" Eccentric Reducer, Grooved	1,271.25	28.18
		For Galvanized Fittings, Add	*210.77*	
23 21 13 23-1787	EA	5" x 3" Eccentric Reducer, Grooved	1,232.17	30.08
		For Galvanized Fittings, Add	*203.58*	
23 21 13 23-1788	EA	5" x 4" Eccentric Reducer, Grooved	403.67	33.81
		For Galvanized Fittings, Add	*60.53*	
23 21 13 23-1789	EA	6" x 1" Eccentric Reducer, Grooved	2,285.45	28.67
		For Galvanized Fittings, Add	*418.45*	
23 21 13 23-1790	EA	6" x 2" Eccentric Reducer, Grooved	2,093.29	32.19
		For Galvanized Fittings, Add	*381.61*	
23 21 13 23-1791	EA	6" x 2-1/2" Eccentric Reducer, Grooved	2,485.90	33.81
		For Galvanized Fittings, Add	*454.40*	
23 21 13 23-1792	EA	6" x 3" Eccentric Reducer, Grooved	523.45	35.71
		For Galvanized Fittings, Add	*87.69*	
23 21 13 23-1793	EA	6" x 4" Eccentric Reducer, Grooved	470.48	39.44
		For Galvanized Fittings, Add	*76.75*	
23 21 13 23-1794	EA	6" x 5" Eccentric Reducer, Grooved	558.20	43.25
		For Galvanized Fittings, Add	*92.07*	
23 21 13 23-1795	EA	8" x 3" Eccentric Reducer, Grooved	2,436.70	40.43
		For Galvanized Fittings, Add	*443.39*	
23 21 13 23-1796	EA	8" x 4" Eccentric Reducer, Grooved	2,142.79	44.16
		For Galvanized Fittings, Add	*387.49*	
23 21 13 23-1797	EA	8" x 5" Eccentric Reducer, Grooved	2,005.23	47.90
		For Galvanized Fittings, Add	*360.77*	
23 21 13 23-1798	EA	8" x 6" Eccentric Reducer, Grooved	914.32	53.53
		For Galvanized Fittings, Add	*155.63*	
23 21 13 23-1799	EA	10" x 4" Eccentric Reducer, Grooved	3,884.21	49.10
		For Galvanized Fittings, Add	*711.06*	
23 21 13 23-1800	EA	10" x 5" Eccentric Reducer, Grooved	3,669.40	52.83
		For Galvanized Fittings, Add	*669.92*	
23 21 13 23-1801	EA	10" x 6" Eccentric Reducer, Grooved	2,795.01	58.46
		For Galvanized Fittings, Add	*505.19*	
23 21 13 23-1802	EA	10" x 8" Eccentric Reducer, Grooved	2,386.13	63.18
		For Galvanized Fittings, Add	*427.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1803	EA	12" x 4" Eccentric Reducer, Grooved	3,958.53	55.93
		For Galvanized Fittings, Add	*584.70*	
23 21 13 23-1804	EA	12" x 6" Eccentric Reducer, Grooved	3,714.62	65.29
		For Galvanized Fittings, Add	*545.77*	
23 21 13 23-1805	EA	12" x 8" Eccentric Reducer, Grooved	3,629.14	70.02
		For Galvanized Fittings, Add	*531.80*	
23 21 13 23-1806	EA	12" x 10" Eccentric Reducer, Grooved	3,268.99	74.94
		For Galvanized Fittings, Add	*476.33*	
23 21 13 23-1807	EA	14" x 6" Eccentric Reducer, Grooved	9,231.17	70.37
		For Galvanized Fittings, Add	*280.16*	
23 21 13 23-1808	EA	14" x 8" Eccentric Reducer, Grooved	5,946.83	75.09
		For Galvanized Fittings, Add	*179.11*	
23 21 13 23-1809	EA	14" x 10" Eccentric Reducer, Grooved	5,673.76	80.01
		For Galvanized Fittings, Add	*170.50*	
23 21 13 23-1810	EA	14" x 12" Eccentric Reducer, Grooved	5,683.96	86.78
		For Galvanized Fittings, Add	*170.50*	
23 21 13 23-1811	EA	16" x 8" Eccentric Reducer, Grooved	10,198.24	80.08
		For Galvanized Fittings, Add	*309.40*	
23 21 13 23-1812	EA	16" x 10" Eccentric Reducer, Grooved	9,440.46	85.01
		For Galvanized Fittings, Add	*285.91*	
23 21 13 23-1813	EA	16" x 12" Eccentric Reducer, Grooved	8,888.51	91.84
		For Galvanized Fittings, Add	*268.65*	
23 21 13 23-1814	EA	16" x 14" Eccentric Reducer, Grooved	8,896.11	96.92
		For Galvanized Fittings, Add	*268.65*	
23 21 13 23-1815	EA	18" x 10" Eccentric Reducer, Grooved	12,801.05	89.74
		For Galvanized Fittings, Add	*388.86*	
23 21 13 23-1816	EA	18" x 12" Eccentric Reducer, Grooved	12,038.56	96.50
		For Galvanized Fittings, Add	*365.14*	
23 21 13 23-1817	EA	18" x 14" Eccentric Reducer, Grooved	10,958.46	101.57
		For Galvanized Fittings, Add	*331.75*	
23 21 13 23-1818	EA	18" x 16" Eccentric Reducer, Grooved	10,966.07	106.71
		For Galvanized Fittings, Add	*331.75*	
23 21 13 23-1819	EA	20" x 10" Eccentric Reducer, Grooved	16,829.48	92.06
		For Galvanized Fittings, Add	*512.43*	
23 21 13 23-1820	EA	20" x 12" Eccentric Reducer, Grooved	12,494.74	98.89
		For Galvanized Fittings, Add	*379.04*	
23 21 13 23-1821	EA	20" x 14" Eccentric Reducer, Grooved	11,730.49	103.97
		For Galvanized Fittings, Add	*355.34*	
23 21 13 23-1822	EA	20" x 16" Eccentric Reducer, Grooved	11,550.71	108.97
		For Galvanized Fittings, Add	*349.59*	
23 21 13 23-1823	EA	20" x 18" Eccentric Reducer, Grooved	11,121.53	113.68
		For Galvanized Fittings, Add	*336.20*	
23 21 13 23-1824	EA	24" x 12" Eccentric Reducer, Grooved	24,326.83	109.25
		For Galvanized Fittings, Add	*741.80*	
23 21 13 23-1825	EA	24" x 14" Eccentric Reducer, Grooved	20,765.11	114.25
		For Galvanized Fittings, Add	*632.23*	
23 21 13 23-1826	EA	24" x 16" Eccentric Reducer, Grooved	20,772.77	119.39
		For Galvanized Fittings, Add	*632.23*	
23 21 13 23-1827	EA	24" x 18" Eccentric Reducer, Grooved	19,610.76	124.04
		For Galvanized Fittings, Add	*596.34*	
23 21 13 23-1828	EA	24" x 20" Eccentric Reducer, Grooved	17,915.69	126.43
		For Galvanized Fittings, Add	*544.19*	

23 21 13 23-1829 Close Nipple, Grooved *(23 21 13 23-1667)*

Note: Victaulic No. 143

23 21 13 23-1830	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	37.42	9.30
		For Galvanized Fittings, Add	*4.20*	
		For 300 LB Rating, Add	*3.50*	
		For Galvanized Fittings, Add	*5.97*	
23 21 13 23-1831	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	43.03	11.62
		For Galvanized Fittings, Add	*4.58*	
		For 300 LB Rating, Add	*3.81*	
		For Galvanized Fittings, Add	*6.51*	
23 21 13 23-1832	EA	2" Ductile Iron, Grooved, Close Nipple	53.89	15.34
		For Galvanized Fittings, Add	*5.52*	
		For 300 LB Rating, Add	*4.60*	
		For Galvanized Fittings, Add	*7.84*	
23 21 13 23-1833	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	64.39	18.59
		For Galvanized Fittings, Add	*6.52*	
		For 300 LB Rating, Add	*5.43*	
		For Galvanized Fittings, Add	*9.27*	

23 21 13 23-1834 Grooved Couplings *(23 21 13 23-1424)*

23 21 13 23-1835 Flexible Grooved Coupling *(23 21 13 23-1834)*

Note: Victaulic Style 77

23 21 13 23-1836	EA	3/4" Standard Coupling, Grooved	47.25	3.80
		For Galvanized Fittings, Add	*11.62*	
23 21 13 23-1837	EA	1" Standard Coupling, Grooved	47.25	3.80
		For Galvanized Fittings, Add	*11.62*	
23 21 13 23-1838	EA	1-1/4" Standard Coupling, Grooved	62.40	4.79
		For Galvanized Fittings, Add	*15.46*	
23 21 13 23-1839	EA	1-1/2" Standard Coupling, Grooved	68.93	5.70
		For Galvanized Fittings, Add	*16.90*	
23 21 13 23-1840	EA	2" Standard Coupling, Grooved	75.27	7.68
		For Galvanized Fittings, Add	*17.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1841	EA	2-1/2" Standard Coupling, Grooved	90.34	9.37
		For Galvanized Fittings, Add	*21.37*	
23 21 13 23-1842	EA	3" Standard Coupling, Grooved	93.06	11.20
		For Galvanized Fittings, Add	*21.37*	
23 21 13 23-1843	EA	3-1/2" Standard Coupling, Grooved	142.64	13.10
		For Galvanized Fittings, Add	*34.43*	
23 21 13 23-1844	EA	4" Standard Coupling, Grooved	145.39	14.93
		For Galvanized Fittings, Add	*34.43*	
23 21 13 23-1845	EA	5" Standard Coupling, Grooved	216.56	18.73
		For Galvanized Fittings, Add	*52.79*	
23 21 13 23-1846	EA	6" Standard Coupling, Grooved	259.53	24.44
		For Galvanized Fittings, Add	*62.40*	
23 21 13 23-1847	EA	8" Standard Coupling, Grooved	406.94	29.16
		For Galvanized Fittings, Add	*101.71*	
23 21 13 23-1848	EA	10" Standard Coupling, Grooved	656.13	34.94
		For Galvanized Fittings, Add	*169.04*	
23 21 13 23-1849	EA	12" Standard Coupling, Grooved	744.70	38.24
		For Galvanized Fittings, Add	*192.47*	
23 21 13 23-1850	EA	14" Standard Coupling, Grooved	911.48	50.99
		For Galvanized Fittings, Add	*233.81*	
23 21 13 23-1851	EA	16" Standard Coupling, Grooved	1,187.04	61.21
		For Galvanized Fittings, Add	*306.69*	
23 21 13 23-1852	EA	18" Standard Coupling, Grooved	1,384.69	67.97
		For Galvanized Fittings, Add	*359.18*	
23 21 13 23-1853	EA	20" Standard Coupling, Grooved	2,132.67	76.50
		For Galvanized Fittings, Add	*565.05*	
23 21 13 23-1854	EA	24" Standard Coupling, Grooved	2,354.18	94.10
		For Galvanized Fittings, Add	*619.66*	

23 21 13 23-1855 Zero-Flex® Rigid Coupling *(23 21 13 23-1834)*

Note: Victaulic Style 07

23 21 13 23-1856	EA	1" Rigid Coupling, Grooved	63.48	3.80
		For Galvanized Fittings, Add	*14.14*	
23 21 13 23-1857	EA	1-1/4" Rigid Coupling, Grooved	64.93	4.79
		For Galvanized Fittings, Add	*14.14*	
23 21 13 23-1858	EA	1-1/2" Rigid Coupling, Grooved	66.32	5.70
		For Galvanized Fittings, Add	*14.14*	
23 21 13 23-1859	EA	2" Rigid Coupling, Grooved	70.71	7.68
		For Galvanized Fittings, Add	*14.50*	
23 21 13 23-1860	EA	2-1/2" Rigid Coupling, Grooved	82.27	9.37
		For Galvanized Fittings, Add	*16.72*	
23 21 13 23-1861	EA	3" Rigid Coupling, Grooved	84.99	11.20
		For Galvanized Fittings, Add	*16.72*	
23 21 13 23-1862	EA	3-1/2" Rigid Coupling, Grooved	99.43	13.10
		For Galvanized Fittings, Add	*19.54*	
23 21 13 23-1863	EA	4" Rigid Coupling, Grooved	135.44	14.93
		For Galvanized Fittings, Add	*27.69*	
23 21 13 23-1864	EA	5" Rigid Coupling, Grooved	174.81	18.73
		For Galvanized Fittings, Add	*35.96*	
23 21 13 23-1865	EA	6" Rigid Coupling, Grooved	232.87	24.44
		For Galvanized Fittings, Add	*48.07*	
23 21 13 23-1866	EA	8" Rigid Coupling, Grooved	352.76	29.16
		For Galvanized Fittings, Add	*75.72*	
23 21 13 23-1867	EA	10" Rigid Coupling, Grooved	606.23	34.94
		For Galvanized Fittings, Add	*135.69*	
23 21 13 23-1868	EA	12" Rigid Coupling, Grooved	677.06	38.24
		For Galvanized Fittings, Add	*151.84*	
23 21 13 23-1869	EA	14" Rigid Coupling, Grooved	886.12	50.99
		For Galvanized Fittings, Add	*198.37*	
23 21 13 23-1870	EA	16" Rigid Coupling, Grooved	1,147.73	61.21
		For Galvanized Fittings, Add	*258.72*	
23 21 13 23-1871	EA	18" Rigid Coupling, Grooved	1,322.68	67.97
		For Galvanized Fittings, Add	*299.09*	
23 21 13 23-1872	EA	20" Rigid Coupling, Grooved	1,568.05	76.50
		For Galvanized Fittings, Add	*356.09*	
23 21 13 23-1873	EA	24" Rigid Coupling, Grooved	2,281.89	94.10
		For Galvanized Fittings, Add	*524.49*	

23 21 13 23-1874 Large Diameter Grooved Coupling *(23 21 13 23-1834)*

Note: Victaulic Style 770

23 21 13 23-1875	EA	28" Coupling, Grooved	2,596.92	18.73
		For Galvanized Fittings, Add	*359.64*	
23 21 13 23-1876	EA	30" Coupling, Grooved	2,994.26	24.44
		For Galvanized Fittings, Add	*414.06*	
23 21 13 23-1877	EA	32" Coupling, Grooved	4,472.84	29.16
		For Galvanized Fittings, Add	*620.08*	
23 21 13 23-1878	EA	36" Coupling, Grooved	5,953.13	34.94
		For Galvanized Fittings, Add	*826.10*	
23 21 13 23-1879	EA	42" Coupling, Grooved	11,990.98	38.24
		For Galvanized Fittings, Add	*1,670.71*	

23 21 13 23-1880 Flexible Coupling *(23 21 13 23-1834)*

Note: Victaulic Style 75

23 21 13 23-1881	EA	1-1/2" Flexible Coupling, Grooved	61.06	5.70
		For Galvanized Fittings, Add	*13.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1882	EA	2" Flexible Coupling, Grooved	65.33	7.68
		For Galvanized Fittings, Add	*13.78*	
23 21 13 23-1883	EA	2-1/2" Flexible Coupling, Grooved	76.40	9.37
		For Galvanized Fittings, Add	*15.97*	
23 21 13 23-1884	EA	3" Flexible Coupling, Grooved	89.27	11.20
		For Galvanized Fittings, Add	*18.57*	
23 21 13 23-1885	EA	3-1/2" Flexible Coupling, Grooved	122.42	13.10
		For Galvanized Fittings, Add	*26.30*	
23 21 13 23-1886	EA	4" Flexible Coupling, Grooved	125.17	14.93
		For Galvanized Fittings, Add	*26.30*	
23 21 13 23-1887	EA	5" Flexible Coupling, Grooved	176.28	18.73
		For Galvanized Fittings, Add	*37.95*	
23 21 13 23-1888	EA	6" Flexible Coupling, Grooved	215.25	24.44
		For Galvanized Fittings, Add	*45.71*	
23 21 13 23-1889	EA	8" Flexible Coupling, Grooved	324.38	29.16
		For Galvanized Fittings, Add	*71.86*	

23 21 13 23-1890 Installation-Ready™ Coupling *(23 21 13 23-1834)*

Note: Victaulic Style 009N

23 21 13 23-1891	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	46.48	3.56
		For Galvanized Fittings, Add	*10.52*	
23 21 13 23-1892	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	48.39	4.25
		For Galvanized Fittings, Add	*10.74*	
23 21 13 23-1893	EA	2" Ductile Iron, Installation-Ready™ Coupling	56.11	5.71
		For Galvanized Fittings, Add	*12.14*	
23 21 13 23-1894	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	65.14	6.92
		For Galvanized Fittings, Add	*13.99*	
23 21 13 23-1895	EA	3" Ductile Iron, Installation-Ready™ Coupling	74.45	8.32
		For Galvanized Fittings, Add	*15.83*	
23 21 13 23-1896	EA	4" Ductile Iron, Installation-Ready™ Coupling	103.67	11.12
		For Galvanized Fittings, Add	*22.23*	
23 21 13 23-1897	EA	5" Ductile Iron, Installation-Ready™ Coupling	163.11	13.90
		For Galvanized Fittings, Add	*36.36*	
23 21 13 23-1898	EA	6" Ductile Iron, Installation-Ready™ Coupling	197.26	18.18
		For Galvanized Fittings, Add	*43.45*	
23 21 13 23-1899	EA	8" Ductile Iron, Installation-Ready™ Coupling	316.32	21.62
		For Galvanized Fittings, Add	*72.59*	

23 21 13 23-1900 Grooved Strainers And Suction Diffusers *(23 21 13 23-1424)*

23 21 13 23-1901 Grooved Wye Strainers *(23 21 13 23-1900)*

Note: Victaulic Style 732

23 21 13 23-1902	EA	2" Wye Strainer, Grooved	1,354.22	15.50
23 21 13 23-1903	EA	2-1/2" Wye Strainer, Grooved	1,426.34	18.80
23 21 13 23-1904	EA	3" Wye Strainer, Grooved	1,604.52	22.54
23 21 13 23-1905	EA	4" Wye Strainer, Grooved	1,822.59	30.08
23 21 13 23-1906	EA	5" Wye Strainer, Grooved	2,631.26	37.61
23 21 13 23-1907	EA	6" Wye Strainer, Grooved	2,869.05	48.89
23 21 13 23-1908	EA	8" Wye Strainer, Grooved	4,373.26	58.25
23 21 13 23-1909	EA	10" Wye Strainer, Grooved	6,991.69	68.11
23 21 13 23-1910	EA	12" Wye Strainer, Grooved	12,158.19	81.78

23 21 13 23-1911 Grooved Tee Type Strainers *(23 21 13 23-1900)*

Note: Victaulic Style 730

23 21 13 23-1912	EA	1-1/2" Tee Type Strainer, Grooved	1,044.70	11.76
23 21 13 23-1913	EA	2" Tee Type Strainer, Grooved	1,337.79	15.50
23 21 13 23-1914	EA	2-1/2" Tee Type Strainer, Grooved	1,409.27	18.80
23 21 13 23-1915	EA	3" Tee Type Strainer, Grooved	1,585.23	22.54
23 21 13 23-1916	EA	4" Tee Type Strainer, Grooved	1,800.72	30.08
23 21 13 23-1917	EA	5" Tee Type Strainer, Grooved	2,599.42	37.61
23 21 13 23-1918	EA	6" Tee Type Strainer, Grooved	2,834.71	48.89
23 21 13 23-1919	EA	8" Tee Type Strainer, Grooved	4,320.09	58.25
23 21 13 23-1920	EA	10" Tee Type Strainer, Grooved	6,318.84	68.11
23 21 13 23-1921	EA	12" Tee Type Strainer, Grooved	8,125.18	81.78
23 21 13 23-1922	EA	14" Tee Type Strainer, Grooved	28,663.16	92.06
23 21 13 23-1923	EA	16" Tee Type Strainer, Grooved	35,605.35	101.92
23 21 13 23-1924	EA	18" Tee Type Strainer, Grooved	46,797.32	111.35

23 21 13 23-1925 Grooved Suction Diffuser *(23 21 13 23-1900)*

Note: Victaulic Style 731

23 21 13 23-1926	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	2,755.67	17.39
23 21 13 23-1927	EA	3" Grooved x 2" Flanged Suction Diffuser	2,925.55	19.23
23 21 13 23-1928	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	2,116.21	22.54
23 21 13 23-1929	EA	3" Grooved x 3" Flanged Suction Diffuser	2,146.53	24.44
23 21 13 23-1930	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	2,324.58	24.44
23 21 13 23-1931	EA	4" Grooved x 3" Flanged Suction Diffuser	2,507.92	26.34
23 21 13 23-1932	EA	4" Grooved x 4" Flanged Suction Diffuser	2,898.43	26.34
23 21 13 23-1933	EA	5" Grooved x 4" Flanged Suction Diffuser	3,237.37	33.81
23 21 13 23-1934	EA	5" Grooved x 5" Flanged Suction Diffuser	3,401.89	35.71
23 21 13 23-1935	EA	6" Grooved x 4" Flanged Suction Diffuser	3,456.81	39.44
23 21 13 23-1936	EA	6" Grooved x 5" Flanged Suction Diffuser	4,129.20	43.25
23 21 13 23-1937	EA	6" Grooved x 6" Flanged Suction Diffuser	4,289.13	46.06
23 21 13 23-1938	EA	8" Grooved x 5" Flanged Suction Diffuser	4,401.13	47.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1939	EA	8" Grooved x 6" Flanged Suction Diffuser	4,645.50	53.53
23 21 13 23-1940	EA	8" Grooved x 8" Flanged Suction Diffuser	7,943.48	58.25
23 21 13 23-1941	EA	10" Grooved x 8" Flanged Suction Diffuser	8,959.40	62.97
23 21 13 23-1942	EA	10" Grooved x 10" Flanged Suction Diffuser	10,779.88	65.29
23 21 13 23-1943	EA	12" Grooved x 10" Flanged Suction Diffuser	12,756.51	75.16
23 21 13 23-1944	EA	12" Grooved x 12" Flanged Suction Diffuser	17,707.01	79.87
23 21 13 23-1945	EA	14" Grooved x 10" Flanged Suction Diffuser	16,487.82	79.87
23 21 13 23-1946	EA	14" Grooved x 12" Flanged Suction Diffuser	18,414.20	86.92
23 21 13 23-1947	EA	14" Grooved x 14" Flanged Suction Diffuser	22,341.30	92.06
23 21 13 23-1948	EA	16" Grooved x 14" Flanged Suction Diffuser	23,000.80	96.78

23 21 13 23-1949 Grooved Steel Valves *(23 21 13 23-1424)*

23 21 13 23-1950 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-1949)*

23 21 13 23-1951	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	271.34	7.68
23 21 13 23-1952	EA	2" Butterfly Valve, Grooved, With Standard Trim	274.99	10.08
23 21 13 23-1953	EA	3" Butterfly Valve, Grooved, With Standard Trim	452.39	14.93
23 21 13 23-1954	EA	4" Butterfly Valve, Grooved, With Standard Trim	607.96	19.65
23 21 13 23-1955	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,335.07	32.19
23 21 13 23-1956	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,849.66	45.29
23 21 13 23-1957	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,782.86	61.21

23 21 13 23-1958 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-1949)*

23 21 13 23-1959	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	410.54	7.68
23 21 13 23-1960	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	414.18	10.08
23 21 13 23-1961	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	641.08	14.93
23 21 13 23-1962	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	815.21	19.65
23 21 13 23-1963	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,563.97	32.19
23 21 13 23-1964	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,604.41	45.29
23 21 13 23-1965	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,112.97	61.21

23 21 13 23-1966 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-1949)*

Note: Victaulic No. 721

23 21 13 23-1967	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	228.08	7.54
23 21 13 23-1968	EA	2" Ball Valve, Grooved, With Standard Trim	260.32	10.35
23 21 13 23-1969	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	601.89	12.68
23 21 13 23-1970	EA	3" Ball Valve, Grooved, With Standard Trim	991.28	15.01
23 21 13 23-1971	EA	4" Ball Valve, Grooved, With Standard Trim	1,546.34	19.72
23 21 13 23-1972	EA	6" Ball Valve, Grooved, With Standard Trim	4,829.31	32.40

23 21 13 23-1973 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-1949)*

Note: Victaulic No. 721

23 21 13 23-1974	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	243.32	7.54
23 21 13 23-1975	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	418.58	10.35
23 21 13 23-1976	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,100.89	12.68
23 21 13 23-1977	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,424.70	15.01
23 21 13 23-1978	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	1,946.86	19.72
23 21 13 23-1979	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,325.60	32.40

23 21 13 23-1980 Grooved Check Valves *(23 21 13 23-1949)*

Note: Victaulic No. 712

23 21 13 23-1981	EA	2" Check Valve, Grooved	347.45	10.35
23 21 13 23-1982	EA	2-1/2" Check Valve, Grooved	566.70	12.68
23 21 13 23-1983	EA	3" Check Valve, Grooved	660.16	15.01
23 21 13 23-1984	EA	4" Check Valve, Grooved	936.87	19.72

23 21 13 23-1985 Grooved Vic-Check Check Valves *(23 21 13 23-1949)*

Note: Victaulic No. 716

23 21 13 23-1986	EA	2-1/2" "Vic-Check" Check Valve, Grooved	450.97	12.68
23 21 13 23-1987	EA	3" "Vic-Check" Check Valve, Grooved	454.39	15.01
23 21 13 23-1988	EA	4" "Vic-Check" Check Valve, Grooved	568.76	19.72
23 21 13 23-1989	EA	6" "Vic-Check" Check Valve, Grooved	1,113.32	32.40
23 21 13 23-1990	EA	8" "Vic-Check" Check Valve, Grooved	1,522.83	45.08
23 21 13 23-1991	EA	10" "Vic-Check" Check Valve, Grooved	4,303.51	61.07
23 21 13 23-1992	EA	12" "Vic-Check" Check Valve, Grooved	5,097.49	70.51

23 21 13 23-1993 Grooved Plug Valves With Lever Operator *(23 21 13 23-1949)*

Note: Victaulic No. 377

23 21 13 23-1994	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	535.72	15.01
23 21 13 23-1995	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	594.34	19.72
23 21 13 23-1996	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	1,061.31	32.40

23 21 13 23-1997 Grooved Plug Valve With Gear Operator *(23 21 13 23-1949)*

Note: Victaulic No. 377

23 21 13 23-1998	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	949.69	15.01
23 21 13 23-1999	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	1,008.35	19.72
23 21 13 23-2000	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	1,475.31	32.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2001	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	1,973.37	45.08
23 21 13 23-2002	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	3,097.05	61.07
23 21 13 23-2003	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	4,483.55	70.51
23 21 13 23-2004		Prepare Pipe For Groove *(23 21 13 23-1424)*		
23 21 13 23-2005		Cut Grooved Pipe *(23 21 13 23-2004)*		
		Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2006	EA	Cut 3/4" Groove	7.38	
23 21 13 23-2007	EA	Cut 1" Groove	8.01	
23 21 13 23-2008	EA	Cut 1-1/4" Groove	9.05	
23 21 13 23-2009	EA	Cut 1-1/2" Groove	9.84	
23 21 13 23-2010	EA	Cut 2" Groove	10.78	
23 21 13 23-2011	EA	Cut 2-1/2" Groove	11.68	
23 21 13 23-2012	EA	Cut 3" Groove	12.75	
23 21 13 23-2013	EA	Cut 3-1/2" Groove	13.51	
23 21 13 23-2014	EA	Cut 4" Groove	14.38	
23 21 13 23-2015	EA	Cut 5" Groove	15.58	
23 21 13 23-2016	EA	Cut 6" Groove	16.02	
23 21 13 23-2017	EA	Cut 8" Groove	20.77	
23 21 13 23-2018	EA	Cut 10" Groove	29.52	
23 21 13 23-2019	EA	Cut 12" Groove	37.39	
23 21 13 23-2020	EA	Cut 14" Groove	56.08	
23 21 13 23-2021	EA	Cut 16" Groove	59.03	
23 21 13 23-2022	EA	Cut 18" Groove	62.31	
23 21 13 23-2023	EA	Cut 20" Groove	65.98	
23 21 13 23-2024	EA	Cut 24" Groove	74.77	
23 21 13 23-2025		Roll Grooved Pipe *(23 21 13 23-2004)*		
		Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2026	EA	Roll 3/4" Groove	4.21	
23 21 13 23-2027	EA	Roll 1" Groove	4.92	
23 21 13 23-2028	EA	Roll 1-1/4" Groove	5.60	
23 21 13 23-2029	EA	Roll 1-1/2" Groove	6.30	
23 21 13 23-2030	EA	Roll 2" Groove	9.66	
23 21 13 23-2031	EA	Roll 2-1/2" Groove	10.20	
23 21 13 23-2032	EA	Roll 3" Groove	11.22	
23 21 13 23-2033	EA	Roll 3-1/2" Groove	11.93	
23 21 13 23-2034	EA	Roll 4" Groove	13.04	
23 21 13 23-2035	EA	Roll 5" Groove	13.35	
23 21 13 23-2036	EA	Roll 6" Groove	14.02	
23 21 13 23-2037	EA	Roll 8" Groove	16.99	
23 21 13 23-2038	EA	Roll 10" Groove	19.34	
23 21 13 23-2039	EA	Roll 12" Groove	24.39	
23 21 13 23-2040	EA	Roll 14" Groove	37.39	
23 21 13 23-2041	EA	Roll 16" Groove	40.06	
23 21 13 23-2042	EA	Roll 18" Groove	41.54	
23 21 13 23-2043	EA	Roll 20" Groove	44.86	
23 21 13 23-2044	EA	Roll 24" Groove	48.76	
23 21 13 23-2045		Standard Gaskets *(23 21 13 23-2004)*		
		Note: For use on replacement of existing gaskets.		
23 21 13 23-2046	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	32.87	
23 21 13 23-2047	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.46	
23 21 13 23-2048	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	34.70	
23 21 13 23-2049	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	37.89	
23 21 13 23-2050	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.32	
23 21 13 23-2051	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	45.75	
23 21 13 23-2052	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	49.95	
23 21 13 23-2053	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	62.65	
23 21 13 23-2054	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	62.99	
23 21 13 23-2055	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	80.49	
23 21 13 23-2056	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	86.78	
23 21 13 23-2057	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	118.92	
23 21 13 23-2058	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	150.97	
23 21 13 23-2059	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	176.61	
23 21 13 23-2060	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	245.27	
23 21 13 23-2061	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	334.16	
23 21 13 23-2062	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	400.14	
23 21 13 23-2063	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	605.75	
23 21 13 23-2064	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	836.49	
23 21 13 23-2065		Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-2066		Grooved Fittings *(23 21 13 23-2065)*		
23 21 13 23-2067		Grooved 90 Degree Elbows *(23 21 13 23-2066)*		
23 21 13 23-2068	EA	2" Copper 90 Degree Elbow, Grooved	54.83	11.48
23 21 13 23-2069	EA	2-1/2" Copper 90 Degree Elbow, Grooved	62.47	14.02
23 21 13 23-2070	EA	3" Copper 90 Degree Elbow, Grooved	82.22	16.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2071	EA	4" Copper 90 Degree Elbow, Grooved	155.56	22.40
23 21 13 23-2072	EA	5" Copper 90 Degree Elbow, Grooved	369.88	28.04
23 21 13 23-2073	EA	6" Copper 90 Degree Elbow, Grooved	574.14	36.70
23 21 13 23-2074	EA	8" Copper 90 Degree Elbow, Grooved	1,027.44	43.68
23 21 13 23-2075		**Grooved 45 Degree Elbows** *(23 21 13 23-2066)*		
23 21 13 23-2076	EA	2" Copper 45 Degree Elbow, Grooved	54.83	11.48
23 21 13 23-2077	EA	2-1/2" Copper 45 Degree Elbow, Grooved	62.47	14.02
23 21 13 23-2078	EA	3" Copper 45 Degree Elbow, Grooved	82.22	16.97
23 21 13 23-2079	EA	4" Copper 45 Degree Elbow, Grooved	155.56	22.40
23 21 13 23-2080	EA	5" Copper 45 Degree Elbow, Grooved	369.88	28.04
23 21 13 23-2081	EA	6" Copper 45 Degree Elbow, Grooved	574.14	36.70
23 21 13 23-2082	EA	8" Copper 45 Degree Elbow, Grooved	1,027.44	43.68
23 21 13 23-2083		**Grooved Tees** *(23 21 13 23-2066)*		
23 21 13 23-2084	EA	2" Copper Tee, Grooved	86.01	16.90
23 21 13 23-2085	EA	2-1/2" Copper Tee, Grooved	96.89	20.78
23 21 13 23-2086	EA	3" Copper Tee, Grooved	133.35	25.50
23 21 13 23-2087	EA	4" Copper Tee, Grooved	246.56	32.96
23 21 13 23-2088	EA	5" Copper Tee, Grooved	880.91	43.11
23 21 13 23-2089	EA	6" Copper Tee, Grooved	732.16	53.95
23 21 13 23-2090	EA	8" Copper Tee, Grooved	1,245.73	65.50
23 21 13 23-2091		**Grooved Reducing Tees** *(23 21 13 23-2066)*		
23 21 13 23-2092	EA	2-1/2" Copper Tee, Reducing, Grooved	124.05	20.78
23 21 13 23-2093	EA	3" Copper Tee, Reducing, Grooved	191.03	25.50
23 21 13 23-2094	EA	4" Copper Tee, Reducing, Grooved	303.22	33.03
23 21 13 23-2095	EA	5" Copper Tee, Reducing, Grooved	810.33	43.18
23 21 13 23-2096	EA	6" Copper Tee, Reducing, Grooved	991.91	53.95
23 21 13 23-2097		**Grooved X Cup Reducing Tees** *(23 21 13 23-2066)*		
23 21 13 23-2098	EA	2" Copper Tee, Reducing, Grooved X Cup	100.53	16.90
23 21 13 23-2099	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	124.35	20.78
23 21 13 23-2100	EA	3" Copper Tee, Reducing, Grooved X Cup	204.10	25.50
23 21 13 23-2101	EA	4" Copper Tee, Reducing, Grooved X Cup	303.22	32.96
23 21 13 23-2102		**Grooved Flanged Adapter Nipples** *(23 21 13 23-2066)*		
23 21 13 23-2103	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	162.28	12.47
23 21 13 23-2104	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	173.24	15.15
23 21 13 23-2105	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	185.92	18.10
23 21 13 23-2106	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	212.92	24.37
23 21 13 23-2107	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	279.69	29.52
23 21 13 23-2108	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	319.86	39.87
23 21 13 23-2109		**Grooved Concentric Reducers** *(23 21 13 23-2066)*		
23 21 13 23-2110	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	71.33	12.82
23 21 13 23-2111	EA	3" x 2" Copper Concentric Reducer, Grooved	74.15	14.30
23 21 13 23-2112	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	79.61	16.97
23 21 13 23-2113	EA	4" x 2" Copper Concentric Reducer, Grooved	127.43	17.11
23 21 13 23-2114	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	129.90	18.31
23 21 13 23-2115	EA	4" x 3" Copper Concentric Reducer, Grooved	132.71	19.72
23 21 13 23-2116	EA	5" x 3" Copper Concentric Reducer, Grooved	307.46	22.54
23 21 13 23-2117	EA	5" x 4" Copper Concentric Reducer, Grooved	313.09	25.35
23 21 13 23-2118	EA	6" x 3" Copper Concentric Reducer, Grooved	337.56	26.77
23 21 13 23-2119	EA	6" x 4" Copper Concentric Reducer, Grooved	343.19	29.59
23 21 13 23-2120	EA	6" x 5" Copper Concentric Reducer, Grooved	348.83	32.40
23 21 13 23-2121	EA	8" x 6" Copper Concentric Reducer, Grooved	578.75	40.15
23 21 13 23-2122		**Grooved X Cup Concentric Reducers** *(23 21 13 23-2066)*		
23 21 13 23-2123	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	55.74	9.02
23 21 13 23-2124	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	56.44	9.37
23 21 13 23-2125	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	58.60	10.42
23 21 13 23-2126	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	66.32	10.08
23 21 13 23-2127	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	67.02	10.42
23 21 13 23-2128	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	69.09	11.48
23 21 13 23-2129	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	71.91	12.82
23 21 13 23-2130	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	83.09	12.82
23 21 13 23-2131	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	85.91	14.30
23 21 13 23-2132	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	140.65	17.04
23 21 13 23-2133		**Grooved Standard Couplings** *(23 21 13 23-2066)*		
23 21 13 23-2134	EA	2" Copper Standard Coupling, Grooved	22.48	5.77
23 21 13 23-2135	EA	2-1/2" Copper Standard Coupling, Grooved	26.59	7.04
23 21 13 23-2136	EA	3" Copper Standard Coupling, Grooved	30.58	8.38
23 21 13 23-2137	EA	4" Copper Standard Coupling, Grooved	43.61	11.27
23 21 13 23-2138	EA	5" Copper Standard Coupling, Grooved	64.07	14.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2139	EA	6" Copper Standard Coupling, Grooved	84.27	18.31
23 21 13 23-2140	EA	8" Copper Standard Coupling, Grooved	117.77	21.84
23 21 13 23-2141		**Grooved Caps** *(23 21 13 23-2066)*		
23 21 13 23-2142	EA	2" Copper Cap, Grooved	33.44	5.77
23 21 13 23-2143	EA	2-1/2" Copper Cap, Grooved	46.56	7.04
23 21 13 23-2144	EA	3" Copper Cap, Grooved	57.12	8.38
23 21 13 23-2145	EA	4" Copper Cap, Grooved	83.01	11.20
23 21 13 23-2146	EA	5" Copper Cap, Grooved	135.45	14.02
23 21 13 23-2147	EA	6" Copper Cap, Grooved	160.31	18.31
23 21 13 23-2148		**Grooved Valves** *(23 21 13 23-2065)*		
23 21 13 23-2149		**Grooved Butterfly Valves, Standard Trim, Without Operator** *(23 21 13 23-2148)*		
		Note: Copper body.		
23 21 13 23-2150	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	449.95	7.54
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2151	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	509.43	11.20
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2152	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	673.48	14.72
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2153	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	894.70	24.16
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2154	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	979.73	33.95
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2155		**Grooved Butterfly Valves, Standard Trim, With Operator** *(23 21 13 23-2148)*		
		Note: Copper body.		
23 21 13 23-2156	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	551.18	7.54
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2157	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	610.74	11.20
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2158	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	774.78	14.72
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2159	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	996.07	24.16
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2160	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,081.04	33.95
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2161		**Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23)*		
		Note: Socket or back weld.		
23 21 13 23-2162		**Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23-2161)*		
		Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2163		**Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe** *(23 21 13 23-2162)*		
23 21 13 23-2164	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.35	2.02
		For Work In Restricted Working Space, Add	*0.91*	
23 21 13 23-2165	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.21	2.52
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2166	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.64	2.68
		For Work In Restricted Working Space, Add	*1.21*	
23 21 13 23-2167	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.14	2.89
		For Work In Restricted Working Space, Add	*1.30*	
23 21 13 23-2168	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.33	2.93
		For Work In Restricted Working Space, Add	*1.32*	
23 21 13 23-2169	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.54	3.52
		For Work In Restricted Working Space, Add	*1.58*	
23 21 13 23-2170	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.26	4.17
		For Work In Restricted Working Space, Add	*1.88*	
23 21 13 23-2171	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.17	5.05
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-2172	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.09	7.57
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2173	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	21.67	10.10
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2174	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	27.95	12.04
		For Work In Restricted Working Space, Add	*5.42*	
23 21 13 23-2175	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	50.44	13.44
		For Work In Restricted Working Space, Add	*6.04*	
23 21 13 23-2176		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(23 21 13 23-2162)*		
23 21 13 23-2177	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	11.75	7.61
		For Work In Restricted Working Space, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2178	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	15.69	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2179	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	19.75	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2180	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	28.36	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2181	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	31.86	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2182	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	41.04	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2183	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	65.38	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2184	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	84.99	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2185	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	107.43	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2186	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	147.02	67.13
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-2187	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	236.85	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2188	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	354.06	116.79
		For Work In Restricted Working Space, Add	*52.51*	

23 21 13 23-2189 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2162)*

23 21 13 23-2190	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	11.94	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2191	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	16.08	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2192	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	20.29	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2193	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	28.70	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2194	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	32.63	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2195	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	41.54	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2196	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	65.38	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2197	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	88.23	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2198	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	113.33	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2199	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	147.56	67.13
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-2200	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	230.33	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2201	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	354.06	116.79
		For Work In Restricted Working Space, Add	*52.51*	

23 21 13 23-2202 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2162)*

23 21 13 23-2203	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	19.24	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2204	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	23.22	15.15
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2205	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	30.94	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2206	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	39.61	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2207	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	47.33	30.29
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-2208	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	59.09	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2209	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	83.25	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2210	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	99.98	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2211	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	139.01	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2212	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	224.34	101.00
		For Work In Restricted Working Space, Add	*45.44*	
23 21 13 23-2213	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	356.89	125.30
		For Work In Restricted Working Space, Add	*56.35*	
23 21 13 23-2214	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	942.24	187.22
		For Work In Restricted Working Space, Add	*84.21*	

23 21 13 23-2215 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2162)*

23 21 13 23-2216	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	24.21	15.64
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-2217	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	29.19	18.95
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-2218	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	38.98	25.00
		For Work In Restricted Working Space, Add	*11.24*	
23 21 13 23-2219	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	50.02	31.76
		For Work In Restricted Working Space, Add	*14.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2220	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	59.77	37.89
		For Work In Restricted Working Space, Add	*17.04*	
23 21 13 23-2221	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	74.74	46.98
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-2222	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	106.96	61.84
		For Work In Restricted Working Space, Add	*27.80*	
23 21 13 23-2223	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	128.74	73.39
		For Work In Restricted Working Space, Add	*33.02*	
23 21 13 23-2224	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	180.63	97.90
		For Work In Restricted Working Space, Add	*44.03*	
23 21 13 23-2225	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	303.50	126.22
		For Work In Restricted Working Space, Add	*56.78*	
23 21 13 23-2226	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	499.68	156.51
		For Work In Restricted Working Space, Add	*70.40*	
23 21 13 23-2227	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,388.06	234.13
		For Work In Restricted Working Space, Add	*105.32*	

23 21 13 23-2228 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2162)*

23 21 13 23-2229	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	12.13	
		For Work In Restricted Working Space, Add	*3.53*	
23 21 13 23-2230	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	15.81	
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2231	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	21.11	
		For Work In Restricted Working Space, Add	*6.05*	
23 21 13 23-2232	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	26.13	
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-2233	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	31.94	
		For Work In Restricted Working Space, Add	*9.07*	
23 21 13 23-2234	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	44.66	
		For Work In Restricted Working Space, Add	*12.59*	
23 21 13 23-2235	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	62.04	
		For Work In Restricted Working Space, Add	*17.40*	
23 21 13 23-2236	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	81.23	
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-2237	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	106.58	
		For Work In Restricted Working Space, Add	*25.16*	
23 21 13 23-2238	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	227.61	
		For Work In Restricted Working Space, Add	*29.07*	
23 21 13 23-2239	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	275.08	
		For Work In Restricted Working Space, Add	*38.99*	

23 21 13 23-2240 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2162)*

23 21 13 23-2241	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	12.17	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2242	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	15.96	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2243	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.78	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2244	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	28.12	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2245	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	31.75	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2246	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	40.50	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2247	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	59.86	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2248	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	78.19	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2249	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	97.20	58.74
		For Work In Restricted Working Space, Add	*26.42*	

23 21 13 23-2250 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2162)*

23 21 13 23-2251	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	12.44	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2252	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	16.23	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2253	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	20.32	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2254	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	28.43	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2255	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	32.44	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2256	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	41.12	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2257	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	60.56	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2258	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	80.32	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2259	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	95.96	58.74
		For Work In Restricted Working Space, Add	*26.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-2260 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2162)*

23 21 13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	11.75	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	15.65	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2263	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	19.36	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2264	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	27.51	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2265	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	31.05	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2266	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	39.54	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2267	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	62.72	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2268	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	82.71	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2269	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	102.21	58.74
		For Work In Restricted Working Space, Add	*26.42*	

23 21 13 23-2270 Schedule 40 Polyvinyl Chloride (PVC) P-Traps *(23 21 13 23-2162)*

23 21 13 23-2271	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	18.32	10.35
		For Work In Restricted Working Space, Add	*4.65*	

23 21 13 23-2272 Schedule 40 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2162)*

23 21 13 23-2273	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	11.59	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	15.46	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	19.36	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	27.35	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	30.82	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	39.38	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	59.28	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	78.73	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	94.73	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	121.77	67.13
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	156.91	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	307.24	83.96
		For Work In Restricted Working Space, Add	*37.75*	

23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2162)*

23 21 13 23-2286	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	20.81	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2287	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	29.24	15.15
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2288	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	37.26	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2289	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	55.83	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2290	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	63.97	30.29
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-2291	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	81.32	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2292	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	119.45	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2293	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	136.07	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2294	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	212.61	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2295	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	279.05	101.00
		For Work In Restricted Working Space, Add	*45.42*	
23 21 13 23-2296	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	398.31	125.23
		For Work In Restricted Working Space, Add	*56.32*	
23 21 13 23-2297	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	580.21	155.45
		For Work In Restricted Working Space, Add	*69.93*	

23 21 13 23-2298 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2162)*

23 21 13 23-2299	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	11.82	7.71
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-2300	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	15.54	10.08
		For Work In Restricted Working Space, Add	*4.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2301	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	19.40	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2302	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	27.79	17.99
		For Work In Restricted Working Space, Add	*8.08*	
23 21 13 23-2303	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	30.90	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2304	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	39.19	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2305	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	60.02	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2306	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	78.12	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2307	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	97.16	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2308	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	122.43	67.13
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-2309	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	190.34	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2310	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	395.76	83.96
		For Work In Restricted Working Space, Add	*37.75*	

23 21 13 23-2311 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-2162)*

23 21 13 23-2312	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges	26.54	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2313	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	34.61	15.15
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2314	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	43.21	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2315	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	51.69	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2316	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	59.37	30.29
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-2317	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	74.88	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2318	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	102.74	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2319	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	119.62	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2320	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	157.38	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2321	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	214.28	101.00
		For Work In Restricted Working Space, Add	*45.42*	
23 21 13 23-2322	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	329.57	125.23
		For Work In Restricted Working Space, Add	*56.32*	
23 21 13 23-2323	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	552.44	155.24
		For Work In Restricted Working Space, Add	*69.82*	

23 21 13 23-2324 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2161)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2325 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2324)*

23 21 13 23-2326	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	3.45	2.05
		For Work In Restricted Working Space, Add	*0.91*	
23 21 13 23-2327	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.33	2.54
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2328	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.33	3.03
		For Work In Restricted Working Space, Add	*1.36*	
23 21 13 23-2329	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.39	3.52
		For Work In Restricted Working Space, Add	*1.59*	
23 21 13 23-2330	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.36	4.01
		For Work In Restricted Working Space, Add	*1.82*	
23 21 13 23-2331	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.48	5.07
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-2332	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.16	5.56
		For Work In Restricted Working Space, Add	*2.50*	
23 21 13 23-2333	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.85	6.06
		For Work In Restricted Working Space, Add	*2.73*	
23 21 13 23-2334	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	16.88	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2335	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	25.64	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2336	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	34.04	12.04
		For Work In Restricted Working Space, Add	*5.42*	
23 21 13 23-2337	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	68.69	12.96
		For Work In Restricted Working Space, Add	*5.84*	

23 21 13 23-2338 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2324)*

23 21 13 23-2339	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	12.75	7.61
		For Work In Restricted Working Space, Add	*3.41*	
		For Threaded Fittings, Add	*1.70*	
23 21 13 23-2340	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	16.96	10.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Threaded Fittings, Add	*2.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2341	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	21.71	12.54
		For Work In Restricted Working Space, Add	*5.63*	
		For Threaded Fittings, Add	*2.82*	
23 21 13 23-2342	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.48	17.75
		For Work In Restricted Working Space, Add	*7.97*	
		For Threaded Fittings, Add	*3.99*	
23 21 13 23-2343	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.14	20.00
		For Work In Restricted Working Space, Add	*8.99*	
		For Threaded Fittings, Add	*4.50*	
23 21 13 23-2344	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	43.13	25.43
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2345	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	68.20	37.61
		For Work In Restricted Working Space, Add	*16.91*	
		For Threaded Fittings, Add	*8.45*	
23 21 13 23-2346	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	87.46	49.45
		For Work In Restricted Working Space, Add	*22.24*	
		For Threaded Fittings, Add	*11.12*	
23 21 13 23-2347	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	108.28	58.74
		For Work In Restricted Working Space, Add	*26.42*	
		For Threaded Fittings, Add	*13.21*	
23 21 13 23-2348	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	173.69	67.13
		For Work In Restricted Working Space, Add	*30.19*	
		For Threaded Fittings, Add	*15.09*	
23 21 13 23-2349	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	276.22	78.32
		For Work In Restricted Working Space, Add	*35.22*	
		For Threaded Fittings, Add	*17.61*	
23 21 13 23-2350	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	375.86	131.30
		For Work In Restricted Working Space, Add	*59.05*	
		For Threaded Fittings, Add	*29.53*	

23 21 13 23-2351 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2324)*

23 21 13 23-2352	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	14.02	7.61
		For Work In Restricted Working Space, Add	*3.41*	
		For Threaded Fittings, Add	*1.70*	
23 21 13 23-2353	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	19.20	10.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Threaded Fittings, Add	*2.27*	
23 21 13 23-2354	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.88	12.54
		For Work In Restricted Working Space, Add	*5.63*	
		For Threaded Fittings, Add	*2.82*	
23 21 13 23-2355	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	34.38	17.75
		For Work In Restricted Working Space, Add	*7.97*	
		For Threaded Fittings, Add	*3.99*	
23 21 13 23-2356	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	39.16	20.00
		For Work In Restricted Working Space, Add	*8.99*	
		For Threaded Fittings, Add	*4.50*	
23 21 13 23-2357	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	50.00	25.43
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2358	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	81.44	37.61
		For Work In Restricted Working Space, Add	*16.91*	
		For Threaded Fittings, Add	*8.45*	
23 21 13 23-2359	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	104.67	49.45
		For Work In Restricted Working Space, Add	*22.24*	
		For Threaded Fittings, Add	*11.12*	
23 21 13 23-2360	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	143.06	58.74
		For Work In Restricted Working Space, Add	*26.42*	
		For Threaded Fittings, Add	*13.21*	
23 21 13 23-2361	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	169.87	67.13
		For Work In Restricted Working Space, Add	*30.19*	
		For Threaded Fittings, Add	*15.09*	
23 21 13 23-2362	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	267.55	78.32
		For Work In Restricted Working Space, Add	*35.22*	
		For Threaded Fittings, Add	*17.61*	
23 21 13 23-2363	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	366.10	131.30
		For Work In Restricted Working Space, Add	*59.05*	
		For Threaded Fittings, Add	*29.53*	

23 21 13 23-2364 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2324)*

23 21 13 23-2365	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	21.82	11.90
		For Work In Restricted Working Space, Add	*5.35*	
		For Threaded Fittings, Add	*2.68*	
23 21 13 23-2366	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	26.89	15.15
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2367	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	35.18	20.00
		For Work In Restricted Working Space, Add	*8.99*	
		For Threaded Fittings, Add	*4.50*	
23 21 13 23-2368	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	52.47	25.43
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2369	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	59.84	30.29
		For Work In Restricted Working Space, Add	*13.63*	
		For Threaded Fittings, Add	*6.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2370	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	74.38	37.61
		For Work In Restricted Working Space, Add	*16.91*	
		For Threaded Fittings, Add	*8.45*	
23 21 13 23-2371	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	93.75	49.45
		For Work In Restricted Working Space, Add	*22.24*	
		For Threaded Fittings, Add	*11.12*	
23 21 13 23-2372	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	112.52	58.74
		For Work In Restricted Working Space, Add	*26.42*	
		For Threaded Fittings, Add	*13.21*	
23 21 13 23-2373	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	145.76	78.32
		For Work In Restricted Working Space, Add	*35.22*	
		For Threaded Fittings, Add	*17.61*	
23 21 13 23-2374	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	248.39	101.00
		For Work In Restricted Working Space, Add	*45.44*	
		For Threaded Fittings, Add	*22.72*	
23 21 13 23-2375	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	412.64	125.30
		For Work In Restricted Working Space, Add	*56.35*	
		For Threaded Fittings, Add	*28.17*	
23 21 13 23-2376	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	942.28	187.22
		For Work In Restricted Working Space, Add	*84.21*	
		For Threaded Fittings, Add	*42.11*	

23 21 13 23-2377 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2324)*

23 21 13 23-2378	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	28.52	14.86
		For Work In Restricted Working Space, Add	*6.69*	
		For Threaded Fittings, Add	*3.34*	
23 21 13 23-2379	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	34.93	18.95
		For Work In Restricted Working Space, Add	*8.52*	
		For Threaded Fittings, Add	*4.26*	
23 21 13 23-2380	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	45.64	25.00
		For Work In Restricted Working Space, Add	*11.24*	
		For Threaded Fittings, Add	*5.62*	
23 21 13 23-2381	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	70.17	31.76
		For Work In Restricted Working Space, Add	*14.28*	
		For Threaded Fittings, Add	*7.14*	
23 21 13 23-2382	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	79.38	37.89
		For Work In Restricted Working Space, Add	*17.04*	
		For Threaded Fittings, Add	*8.52*	
23 21 13 23-2383	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	98.70	46.98
		For Work In Restricted Working Space, Add	*21.13*	
		For Threaded Fittings, Add	*10.57*	
23 21 13 23-2384	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	123.42	61.84
		For Work In Restricted Working Space, Add	*27.80*	
		For Threaded Fittings, Add	*13.90*	
23 21 13 23-2385	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	148.41	73.39
		For Work In Restricted Working Space, Add	*33.02*	
		For Threaded Fittings, Add	*16.51*	
23 21 13 23-2386	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	191.23	97.90
		For Work In Restricted Working Space, Add	*44.03*	
		For Threaded Fittings, Add	*22.01*	
23 21 13 23-2387	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	341.20	126.22
		For Work In Restricted Working Space, Add	*56.78*	
		For Threaded Fittings, Add	*28.39*	
23 21 13 23-2388	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	587.07	156.51
		For Work In Restricted Working Space, Add	*70.40*	
		For Threaded Fittings, Add	*35.20*	
23 21 13 23-2389	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,388.13	234.13
		For Work In Restricted Working Space, Add	*105.32*	
		For Threaded Fittings, Add	*52.66*	

23 21 13 23-2390 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2324)*

23 21 13 23-2391	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	15.96	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2392	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	21.13	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2393	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	30.29	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2394	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	35.03	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2395	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	45.29	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2396	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	68.86	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2397	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	94.02	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2398	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	115.61	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2399	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	131.19	67.13
		For Work In Restricted Working Space, Add	*30.19*	
23 21 13 23-2400	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	185.24	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2401	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	281.50	90.94
		For Work In Restricted Working Space, Add	*40.91*	

23 21 13 23-2402 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2324)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2403	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	11.63	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2404	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	16.66	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2405	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.13	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2406	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	31.37	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2407	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	35.99	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2408	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	45.44	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2409	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	71.94	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2410	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	103.01	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2411	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	132.44	58.74
		For Work In Restricted Working Space, Add	*26.42*	

23 21 13 23-2412 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2324)*

23 21 13 23-2413	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	14.64	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2414	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	18.78	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2415	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	25.11	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2416	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.99	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2417	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	40.62	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2418	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	51.97	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2419	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	72.17	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2420	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	91.70	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2421	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	119.28	58.74
		For Work In Restricted Working Space, Add	*26.42*	

23 21 13 23-2422 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2324)*

23 21 13 23-2423	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	13.75	7.61
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2424	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	18.70	10.08
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-2425	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	24.03	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2426	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	35.11	17.75
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-2427	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	40.43	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2428	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	56.29	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2429	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	85.14	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2430	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	106.56	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2431	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	143.78	58.74
		For Work In Restricted Working Space, Add	*26.42*	

23 21 13 23-2432 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2324)*

23 21 13 23-2433	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	13.91	7.61
		For Work In Restricted Working Space, Add	*3.41*	
		For Threaded Fittings, Add	*1.70*	
23 21 13 23-2434	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	18.59	10.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Threaded Fittings, Add	*2.27*	
23 21 13 23-2435	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	22.33	12.54
		For Work In Restricted Working Space, Add	*5.63*	
		For Threaded Fittings, Add	*2.82*	
23 21 13 23-2436	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	32.02	17.75
		For Work In Restricted Working Space, Add	*7.97*	
		For Threaded Fittings, Add	*3.99*	
23 21 13 23-2437	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	35.84	20.00
		For Work In Restricted Working Space, Add	*8.99*	
		For Threaded Fittings, Add	*4.50*	
23 21 13 23-2438	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	44.32	25.43
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2439	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	71.83	37.61
		For Work In Restricted Working Space, Add	*16.91*	
		For Threaded Fittings, Add	*8.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2440	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	91.93	49.45
		For Work In Restricted Working Space, Add	*22.24*	
		For Threaded Fittings, Add	*11.12*	
23 21 13 23-2441	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	110.36	58.74
		For Work In Restricted Working Space, Add	*26.42*	
		For Threaded Fittings, Add	*13.21*	
23 21 13 23-2442	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	148.60	67.13
		For Work In Restricted Working Space, Add	*30.19*	
		For Threaded Fittings, Add	*15.09*	
23 21 13 23-2443	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	182.70	78.32
		For Work In Restricted Working Space, Add	*35.22*	
		For Threaded Fittings, Add	*17.61*	
23 21 13 23-2444	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	318.82	83.96
		For Work In Restricted Working Space, Add	*37.75*	
		For Threaded Fittings, Add	*18.88*	

23 21 13 23-2445 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2324)*

23 21 13 23-2446	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	24.49	12.54
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2447	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	29.32	15.15
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2448	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	37.50	20.00
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-2449	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	56.91	25.43
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2450	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	69.68	30.29
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-2451	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	89.20	37.61
		For Work In Restricted Working Space, Add	*16.91*	
23 21 13 23-2452	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	135.30	49.45
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-2453	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	166.88	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-2454	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	212.84	78.32
		For Work In Restricted Working Space, Add	*35.22*	
23 21 13 23-2455	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	279.05	101.00
		For Work In Restricted Working Space, Add	*45.42*	
23 21 13 23-2456	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	398.31	125.23
		For Work In Restricted Working Space, Add	*56.32*	
23 21 13 23-2457	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	579.84	155.24
		For Work In Restricted Working Space, Add	*69.82*	

23 21 13 23-2458 Schedule 80 Threaded Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2324)*

23 21 13 23-2459	EA	1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	27.77	15.65
23 21 13 23-2460	EA	3/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	33.12	18.10
23 21 13 23-2461	EA	1", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	40.08	21.34
23 21 13 23-2462	EA	1-1/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	53.40	25.43
23 21 13 23-2463	EA	1-1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	64.34	30.29
23 21 13 23-2464	EA	2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	85.20	37.61
23 21 13 23-2465	EA	3", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	182.38	72.90
23 21 13 23-2466	EA	4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	197.87	80.86

23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2324)*

23 21 13 23-2468	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	14.95	7.61
		For Work In Restricted Working Space, Add	*3.41*	
		For Threaded Fittings, Add	*1.70*	
23 21 13 23-2469	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	18.93	10.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Threaded Fittings, Add	*2.27*	
23 21 13 23-2470	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	25.50	12.54
		For Work In Restricted Working Space, Add	*5.63*	
		For Threaded Fittings, Add	*2.82*	
23 21 13 23-2471	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	34.69	17.75
		For Work In Restricted Working Space, Add	*7.97*	
		For Threaded Fittings, Add	*3.99*	
23 21 13 23-2472	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	38.08	20.00
		For Work In Restricted Working Space, Add	*8.99*	
		For Threaded Fittings, Add	*4.50*	
23 21 13 23-2473	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	50.23	25.43
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2474	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	81.32	37.61
		For Work In Restricted Working Space, Add	*16.91*	
		For Threaded Fittings, Add	*8.45*	
23 21 13 23-2475	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	104.67	49.45
		For Work In Restricted Working Space, Add	*22.24*	
		For Threaded Fittings, Add	*11.12*	
23 21 13 23-2476	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	137.15	58.74
		For Work In Restricted Working Space, Add	*26.42*	
		For Threaded Fittings, Add	*13.21*	
23 21 13 23-2477	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	222.59	67.13
		For Work In Restricted Working Space, Add	*30.19*	
		For Threaded Fittings, Add	*15.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2478	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	284.94	78.32
		For Work In Restricted Working Space, Add	*35.22*	
		For Threaded Fittings, Add	*17.61*	
23 21 13 23-2479	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	434.35	83.96
		For Work In Restricted Working Space, Add	*37.75*	
		For Threaded Fittings, Add	*18.88*	

23 21 13 23-2480 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-2324)*

23 21 13 23-2481	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	29.86	12.54
		For Work In Restricted Working Space, Add	*5.63*	
		For Threaded Fittings, Add	*2.82*	
23 21 13 23-2482	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	34.61	15.15
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2483	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	43.21	20.00
		For Work In Restricted Working Space, Add	*8.99*	
		For Threaded Fittings, Add	*4.50*	
23 21 13 23-2484	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	51.69	25.43
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2485	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	59.37	30.29
		For Work In Restricted Working Space, Add	*13.63*	
		For Threaded Fittings, Add	*6.82*	
23 21 13 23-2486	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	74.88	37.61
		For Work In Restricted Working Space, Add	*16.91*	
		For Threaded Fittings, Add	*8.45*	
23 21 13 23-2487	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	102.74	49.45
		For Work In Restricted Working Space, Add	*22.24*	
		For Threaded Fittings, Add	*11.12*	
23 21 13 23-2488	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	119.62	58.74
		For Work In Restricted Working Space, Add	*26.42*	
		For Threaded Fittings, Add	*13.21*	
23 21 13 23-2489	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	157.38	78.32
		For Work In Restricted Working Space, Add	*35.22*	
		For Threaded Fittings, Add	*17.61*	
23 21 13 23-2490	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	214.29	101.00
		For Work In Restricted Working Space, Add	*45.42*	
		For Threaded Fittings, Add	*22.71*	
23 21 13 23-2491	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	329.57	125.23
		For Work In Restricted Working Space, Add	*56.32*	
		For Threaded Fittings, Add	*28.16*	
23 21 13 23-2492	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	552.44	155.24
		For Work In Restricted Working Space, Add	*69.82*	
		For Threaded Fittings, Add	*34.91*	

23 21 13 23-2493 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2161)*

Note: In place pipe.

23 21 13 23-2494	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	3.83	
		For Work In Restricted Working Space, Add	*1.15*	
23 21 13 23-2495	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.13	
		For Work In Restricted Working Space, Add	*1.24*	
23 21 13 23-2496	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.64	
		For Work In Restricted Working Space, Add	*1.39*	
23 21 13 23-2497	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.88	
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-2498	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.16	
		For Work In Restricted Working Space, Add	*1.55*	
23 21 13 23-2499	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.68	
		For Work In Restricted Working Space, Add	*1.70*	
23 21 13 23-2500	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.11	
		For Work In Restricted Working Space, Add	*1.83*	
23 21 13 23-2501	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.22	
		For Work In Restricted Working Space, Add	*2.17*	
23 21 13 23-2502	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.75	
		For Work In Restricted Working Space, Add	*2.93*	
23 21 13 23-2503	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	13.93	
		For Work In Restricted Working Space, Add	*4.18*	
23 21 13 23-2504	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	18.57	
		For Work In Restricted Working Space, Add	*5.57*	
23 21 13 23-2505	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	22.71	
		For Work In Restricted Working Space, Add	*6.81*	

23 21 13 23-2506 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2507 Small Diameter Tubing *(23 21 13 23-2506)*

23 21 13 23-2508 Tubing *(23 21 13 23-2507)*

23 21 13 23-2509	LF	1/4" Polyethylene Tubing	2.20	
		For Work In Restricted Working Space, Add	*0.64*	
23 21 13 23-2510	LF	5/16" Polyethylene Tubing	2.29	
		For Work In Restricted Working Space, Add	*0.65*	
23 21 13 23-2511	LF	3/8" Polyethylene Tubing	2.38	
		For Work In Restricted Working Space, Add	*0.67*	
23 21 13 23-2512	LF	1/2" Polyethylene Tubing	2.52	
		For Work In Restricted Working Space, Add	*0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2513		**Chrome Plated Pipe** *(23 21 13 23)*		
23 21 13 23-2514		**Chrome Plated Nipples** *(23 21 13 23-2513)*		
23 21 13 23-2515		**Close** *(23 21 13 23-2514)*		
23 21 13 23-2516	EA	1/4" Diameter Chrome Plated Nipple, Close	16.13	6.11
23 21 13 23-2517	EA	3/8" Diameter Chrome Plated Nipple, Close	14.61	6.65
23 21 13 23-2518	EA	1/2" Diameter Chrome Plated Nipple, Close	18.77	7.64
23 21 13 23-2519	EA	3/4" Diameter Chrome Plated Nipple, Close	24.99	9.71
23 21 13 23-2520	EA	1" Diameter Chrome Plated Nipple, Close	33.71	12.77
23 21 13 23-2521	EA	1-1/4" Diameter Chrome Plated Nipple, Close	47.96	17.82
23 21 13 23-2522	EA	1-1/2" Diameter Chrome Plated Nipple, Close	59.45	20.87
23 21 13 23-2523	EA	2" Diameter Chrome Plated Nipple, Close	77.61	26.00
23 21 13 23-2524		**1-1/2" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2525	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	17.38	6.35
23 21 13 23-2526	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	15.54	6.88
23 21 13 23-2527	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	19.17	7.88
23 21 13 23-2528	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	25.96	9.94
23 21 13 23-2529		**2" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2530	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	18.10	6.65
23 21 13 23-2531	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	16.06	7.11
23 21 13 23-2532	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	21.02	8.18
23 21 13 23-2533	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	27.52	10.17
23 21 13 23-2534	EA	1" Diameter, 2" Length, Chrome Plated Nipple	35.89	13.22
23 21 13 23-2535	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	51.87	18.35
23 21 13 23-2536	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	64.06	21.40
23 21 13 23-2537		**2-1/2" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2538	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	19.27	6.88
23 21 13 23-2539	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	16.66	7.41
23 21 13 23-2540	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	22.05	8.41
23 21 13 23-2541	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	28.17	10.48
23 21 13 23-2542	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	37.04	13.54
23 21 13 23-2543	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	55.89	18.57
23 21 13 23-2544	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	69.51	21.64
23 21 13 23-2545	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	89.29	26.76
23 21 13 23-2546		**3" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2547	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	20.10	7.11
23 21 13 23-2548	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	17.83	7.64
23 21 13 23-2549	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	21.90	8.18
23 21 13 23-2550	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	31.02	10.71
23 21 13 23-2551	EA	1" Diameter, 3" Length, Chrome Plated Nipple	43.15	13.76
23 21 13 23-2552	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	60.30	18.89
23 21 13 23-2553	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	82.71	21.94
23 21 13 23-2554	EA	2" Diameter, 3" Length, Chrome Plated Nipple	99.57	27.06
23 21 13 23-2555		**3-1/2" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2556	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	21.11	7.41
23 21 13 23-2557	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	20.06	7.88
23 21 13 23-2558	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	24.21	8.94
23 21 13 23-2559	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	35.38	10.93
23 21 13 23-2560	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	45.35	13.99
23 21 13 23-2561	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	69.22	19.12
23 21 13 23-2562	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	86.49	22.17
23 21 13 23-2563	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	107.71	27.30
23 21 13 23-2564		**4" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2565	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	22.07	7.64
23 21 13 23-2566	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	20.48	8.18
23 21 13 23-2567	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	24.80	8.64
23 21 13 23-2568	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	36.92	11.24
23 21 13 23-2569	EA	1" Diameter, 4" Length, Chrome Plated Nipple	47.40	14.29
23 21 13 23-2570	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	75.95	19.34
23 21 13 23-2571	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	94.51	22.40
23 21 13 23-2572	EA	2" Diameter, 4" Length, Chrome Plated Nipple	117.70	27.53
23 21 13 23-2573		**4-1/2" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2574	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	22.92	7.88
23 21 13 23-2575	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	22.71	8.41
23 21 13 23-2576	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	27.27	9.41
23 21 13 23-2577	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	38.74	11.47
23 21 13 23-2578	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	55.24	14.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2579	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	82.40	19.65
23 21 13 23-2580	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	97.95	22.70
23 21 13 23-2581	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	126.87	27.83
23 21 13 23-2582		**5" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2583	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	26.48	8.18
23 21 13 23-2584	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	24.00	8.64
23 21 13 23-2585	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	28.35	9.71
23 21 13 23-2586	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	40.48	11.69
23 21 13 23-2587	EA	1" Diameter, 5" Length, Chrome Plated Nipple	59.89	14.76
23 21 13 23-2588	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	88.22	19.88
23 21 13 23-2589	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	105.99	22.93
23 21 13 23-2590	EA	2" Diameter, 5" Length, Chrome Plated Nipple	132.70	28.06
23 21 13 23-2591		**5-1/2" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2592	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	27.37	8.41
23 21 13 23-2593	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	24.93	8.94
23 21 13 23-2594	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	31.89	9.94
23 21 13 23-2595	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	42.21	12.01
23 21 13 23-2596	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	62.18	15.06
23 21 13 23-2597	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	95.36	20.10
23 21 13 23-2598	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	112.39	23.17
23 21 13 23-2599	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	140.19	28.28
23 21 13 23-2600		**6" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2601	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	28.45	8.64
23 21 13 23-2602	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	25.35	9.18
23 21 13 23-2603	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	32.87	10.17
23 21 13 23-2604	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	43.57	12.23
23 21 13 23-2605	EA	1" Diameter, 6" Length, Chrome Plated Nipple	69.79	15.29
23 21 13 23-2606	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	99.60	20.42
23 21 13 23-2607	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	122.34	23.47
23 21 13 23-2608	EA	2" Diameter, 6" Length, Chrome Plated Nipple	147.05	28.60
23 21 13 23-2609		**8" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2610	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	31.76	9.71
23 21 13 23-2611	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	51.30	10.71
23 21 13 23-2612	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	62.71	12.77
23 21 13 23-2613	EA	1" Diameter, 8" Length, Chrome Plated Nipple	84.71	15.82
23 21 13 23-2614	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	123.69	20.87
23 21 13 23-2615	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	154.01	23.93
23 21 13 23-2616	EA	2" Diameter, 8" Length, Chrome Plated Nipple	190.31	29.05
23 21 13 23-2617		**10" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2618	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	38.44	9.71
23 21 13 23-2619	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	59.72	10.71
23 21 13 23-2620	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	72.45	12.77
23 21 13 23-2621	EA	1" Diameter, 10" Length, Chrome Plated Nipple	99.46	15.82
23 21 13 23-2622	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	155.25	20.87
23 21 13 23-2623	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	178.03	23.93
23 21 13 23-2624	EA	2" Diameter, 10" Length, Chrome Plated Nipple	228.76	29.05
23 21 13 23-2625		**12" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2626	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	43.01	10.71
23 21 13 23-2627	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	62.51	11.24
23 21 13 23-2628	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	81.02	13.22
23 21 13 23-2629	EA	1" Diameter, 12" Length, Chrome Plated Nipple	118.85	16.82
23 21 13 23-2630	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	176.05	21.94
23 21 13 23-2631	EA	2" Diameter, 12" Length, Chrome Plated Nipple	261.02	30.13
23 21 13 23-2632		**18" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2633	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	57.81	11.24
23 21 13 23-2634		**24" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2635	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	71.94	11.69
23 21 13 23-2636		**30" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2637	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	80.74	12.23
23 21 13 23-2638		**36" Nipples** *(23 21 13 23-2514)*		
23 21 13 23-2639	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	89.54	12.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2640		**Chrome Plated Fittings** *(23 21 13 23-2513)*		
23 21 13 23-2641		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2640)*		
23 21 13 23-2642	EA	1/4" 90 Degree Elbow, Chrome Plated	21.95	7.11
23 21 13 23-2643	EA	3/8" 90 Degree Elbow, Chrome Plated	21.99	7.64
23 21 13 23-2644	EA	1/2" 90 Degree Elbow, Chrome Plated	25.22	8.18
23 21 13 23-2645	EA	3/4" 90 Degree Elbow, Chrome Plated	31.88	10.71
23 21 13 23-2646	EA	1" 90 Degree Elbow, Chrome Plated	44.12	13.76
23 21 13 23-2647	EA	1-1/4" 90 Degree Elbow, Chrome Plated	70.38	18.89
23 21 13 23-2648	EA	1-1/2" 90 Degree Elbow, Chrome Plated	85.36	21.94
23 21 13 23-2649	EA	2" 90 Degree Elbow, Chrome Plated	120.11	27.06
23 21 13 23-2650		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2640)*		
23 21 13 23-2651	EA	1/4" Street 90 Degree Elbow, Chrome Plated	26.66	7.11
23 21 13 23-2652	EA	3/8" Street 90 Degree Elbow, Chrome Plated	27.15	7.64
23 21 13 23-2653	EA	1/2" Street 90 Degree Elbow, Chrome Plated	28.82	8.18
23 21 13 23-2654	EA	3/4" Street 90 Degree Elbow, Chrome Plated	37.17	10.71
23 21 13 23-2655	EA	1" Street 90 Degree Elbow, Chrome Plated	53.90	13.76
23 21 13 23-2656	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	80.40	18.89
23 21 13 23-2657	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	99.39	21.94
23 21 13 23-2658	EA	2" Street 90 Degree Elbow, Chrome Plated	153.14	27.06
23 21 13 23-2659		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2640)*		
23 21 13 23-2660	EA	1/4" 45 Degree Elbow, Chrome Plated	22.98	7.11
23 21 13 23-2661	EA	3/8" 45 Degree Elbow, Chrome Plated	23.48	7.64
23 21 13 23-2662	EA	1/2" 45 Degree Elbow, Chrome Plated	26.29	8.18
23 21 13 23-2663	EA	3/4" 45 Degree Elbow, Chrome Plated	35.92	10.71
23 21 13 23-2664	EA	1" 45 Degree Elbow, Chrome Plated	48.65	13.76
23 21 13 23-2665	EA	1-1/4" 45 Degree Elbow, Chrome Plated	75.82	18.89
23 21 13 23-2666	EA	1-1/2" 45 Degree Elbow, Chrome Plated	92.63	21.94
23 21 13 23-2667	EA	2" 45 Degree Elbow, Chrome Plated	140.09	27.06
23 21 13 23-2668		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2640)*		
23 21 13 23-2669	EA	1/2" Street 45 Degree Elbow, Chrome Plated	32.76	8.18
23 21 13 23-2670		**Chrome Plated Couplings** *(23 21 13 23-2640)*		
23 21 13 23-2671	EA	1/4" Coupling, Chrome Plated	21.31	7.11
23 21 13 23-2672	EA	3/8" Coupling, Chrome Plated	22.07	7.64
23 21 13 23-2673	EA	1/2" Coupling, Chrome Plated	25.49	8.18
23 21 13 23-2674	EA	3/4" Coupling, Chrome Plated	31.98	10.71
23 21 13 23-2675	EA	1" Coupling, Chrome Plated	41.89	13.76
23 21 13 23-2676	EA	1-1/4" Coupling, Chrome Plated	62.24	18.89
23 21 13 23-2677	EA	1-1/2" Coupling, Chrome Plated	78.54	21.94
23 21 13 23-2678	EA	2" Coupling, Chrome Plated	111.79	27.06
23 21 13 23-2679		**Chrome Plated Unions** *(23 21 13 23-2640)*		
23 21 13 23-2680	EA	1/4" Union, Chrome Plated	37.82	8.18
23 21 13 23-2681	EA	3/8" Union, Chrome Plated	38.60	8.64
23 21 13 23-2682	EA	1/2" Union, Chrome Plated	47.54	9.71
23 21 13 23-2683	EA	3/4" Union, Chrome Plated	58.14	12.77
23 21 13 23-2684	EA	1" Union, Chrome Plated	73.33	16.29
23 21 13 23-2685	EA	1-1/4" Union, Chrome Plated	123.86	21.94
23 21 13 23-2686	EA	1-1/2" Union, Chrome Plated	155.64	26.00
23 21 13 23-2687	EA	2" Union, Chrome Plated	205.65	31.65
23 21 13 23-2688		**Chrome Plated Caps** *(23 21 13 23-2640)*		
23 21 13 23-2689	EA	1/4" Cap, Chrome Plated	15.68	3.60
23 21 13 23-2690	EA	3/8" Cap, Chrome Plated	16.06	3.83
23 21 13 23-2691	EA	1/2" Cap, Chrome Plated	18.65	4.05
23 21 13 23-2692	EA	3/4" Cap, Chrome Plated	22.99	5.35
23 21 13 23-2693	EA	1" Cap, Chrome Plated	26.74	6.88
23 21 13 23-2694	EA	1-1/4" Cap, Chrome Plated	40.26	9.41
23 21 13 23-2695	EA	1-1/2" Cap, Chrome Plated	54.67	10.93
23 21 13 23-2696	EA	2" Cap, Chrome Plated	81.81	14.29
23 21 13 23-2697		**Chrome Plated Plugs** *(23 21 13 23-2640)*		
23 21 13 23-2698	EA	1/4" Plug, Chrome Plated	12.09	3.60
23 21 13 23-2699	EA	3/8" Plug, Chrome Plated	12.47	3.83
23 21 13 23-2700	EA	1/2" Plug, Chrome Plated	14.87	4.05
23 21 13 23-2701	EA	3/4" Plug, Chrome Plated	20.30	5.35
23 21 13 23-2702	EA	1" Plug, Chrome Plated	24.69	6.88
23 21 13 23-2703	EA	1-1/4" Plug, Chrome Plated	33.19	9.41
23 21 13 23-2704	EA	1-1/2" Plug, Chrome Plated	41.71	10.93
23 21 13 23-2705	EA	2" Plug, Chrome Plated	59.26	14.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2706		**Chrome Plated Tees** *(23 21 13 23-2640)*		
23 21 13 23-2707	EA	1/4" Chrome Plated Tee	29.61	10.71
23 21 13 23-2708	EA	3/8" Chrome Plated Tee	31.14	11.69
23 21 13 23-2709	EA	1/2" Chrome Plated Tee	35.06	12.77
23 21 13 23-2710	EA	3/4" Chrome Plated Tee	43.75	15.82
23 21 13 23-2711	EA	1" Chrome Plated Tee	64.50	20.42
23 21 13 23-2712	EA	1-1/4" Chrome Plated Tee	88.99	28.06
23 21 13 23-2713	EA	1-1/2" Chrome Plated Tee	117.55	32.64
23 21 13 23-2714	EA	2" Chrome Plated Tee	166.22	40.29
23 21 13 23-2715		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2640)*		
23 21 13 23-2716	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	32.66	12.77
23 21 13 23-2717	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	37.25	15.82
23 21 13 23-2718		**Chrome Plated Bell Reducers** *(23 21 13 23-2640)*		
23 21 13 23-2719	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	37.01	12.77
23 21 13 23-2720	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	44.73	15.82
23 21 13 23-2721	EA	1" x 1/2" Bell Reducer, Chrome Plated	56.49	20.42
23 21 13 23-2722		**Chrome Plated Reducing Tees** *(23 21 13 23-2640)*		
23 21 13 23-2723	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	50.25	15.82
23 21 13 23-2724		**Chrome Plated Bushings** *(23 21 13 23-2640)*		
23 21 13 23-2725	EA	3/8" x 1/4" Bushing, Chrome Plated	11.98	3.60
23 21 13 23-2726	EA	1/2" x 1/4" Bushing, Chrome Plated	12.92	3.83
23 21 13 23-2727	EA	1/2" x 3/8" Bushing, Chrome Plated	13.30	4.05
23 21 13 23-2728	EA	3/4" x 1/2" Bushing, Chrome Plated	16.74	5.35
23 21 13 23-2729	EA	1" x 3/4" Bushing, Chrome Plated	25.38	6.88
23 21 13 23-2730	EA	1-1/4" x 1" Bushing, Chrome Plated	37.85	9.41
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		**Vent Valves** *(23 21 16)*		
23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	49.79	11.48
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	117.47	12.33
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	112.08	12.33
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	115.85	12.33
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	148.82	12.33
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	110.60	12.33
23 21 16 00-0008		**Threaded Inlet, Drip-Pan Elbow** *(23 21 16)*		
23 21 16 00-0009		**Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0008)*		
23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	183.02	19.28
		For Flanged Inlet, Add	*72.51*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	206.63	22.86
		For Flanged Inlet, Add	*77.84*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	261.03	26.43
		For Flanged Inlet, Add	*105.01*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	392.77	30.00
		For Flanged Inlet, Add	*184.76*	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	443.22	35.72
		For Flanged Inlet, Add	*204.25*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	617.51	44.99
		For Flanged Inlet, Add	*298.48*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,406.11	59.28
		For Flanged Inlet, Add	*794.25*	
23 21 16 00-0017		**Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0008)*		
23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	368.10	19.28
		For Flanged Inlet, Add	*198.36*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	445.63	22.86
		For Flanged Inlet, Add	*240.36*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	633.39	26.43
		For Flanged Inlet, Add	*358.22*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	647.85	30.00
		For Flanged Inlet, Add	*358.22*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	928.83	35.72
		For Flanged Inlet, Add	*534.47*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	964.55	44.99
		For Flanged Inlet, Add	*534.47*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,587.81	59.28
		For Flanged Inlet, Add	*917.81*	
23 21 16 00-0025		**Y-Type Strainers** *(23 21 16)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0026		Screwed Ends, 250 LB, Iron Body, Y-Type Strainers *(23 21 16 00-0025)*			
23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		64.13	8.56
		For Galvanized Body, Add		*19.83*	
		For Work In Restricted Working Space, Add		*7.34*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		64.51	8.72
		For Galvanized Body, Add		*19.83*	
		For Work In Restricted Working Space, Add		*7.46*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		80.99	11.78
		For Galvanized Body, Add		*23.67*	
		For Work In Restricted Working Space, Add		*10.10*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		104.11	14.08
		For Galvanized Body, Add		*31.98*	
		For Work In Restricted Working Space, Add		*12.05*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		137.34	17.40
		For Galvanized Body, Add		*43.81*	
		For Work In Restricted Working Space, Add		*14.92*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		159.07	18.74
		For Galvanized Body, Add		*52.77*	
		For Work In Restricted Working Space, Add		*16.06*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		223.63	21.41
		For Galvanized Body, Add		*81.23*	
		For Work In Restricted Working Space, Add		*18.35*	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		441.67	26.77
		For Galvanized Body, Add		*182.60*	
		For Work In Restricted Working Space, Add		*22.94*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer		572.72	33.50
		For Galvanized Body, Add		*238.56*	
		For Work In Restricted Working Space, Add		*28.68*	
23 21 16 00-0036		Flanged, 125 LB, Iron Body , Y-Type Strainers *(23 21 16 00-0025)*			
23 21 16 00-0037	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer		233.46	80.31
		For Galvanized Body, Add		*66.42*	
		For Work In Restricted Working Space, Add		*30.19*	
23 21 16 00-0038	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer		271.23	101.95
		For Galvanized Body, Add		*71.88*	
		For Work In Restricted Working Space, Add		*38.24*	
23 21 16 00-0039	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer		505.43	130.03
		For Galvanized Body, Add		*171.35*	
		For Work In Restricted Working Space, Add		*48.82*	
23 21 16 00-0040	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer		662.05	217.98
		For Galvanized Body, Add		*194.45*	
		For Work In Restricted Working Space, Add		*81.95*	
23 21 16 00-0041	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer		718.32	226.95
		For Galvanized Body, Add		*217.54*	
		For Work In Restricted Working Space, Add		*84.98*	
23 21 16 00-0042	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer		856.68	252.17
		For Galvanized Body, Add		*270.17*	
		For Work In Restricted Working Space, Add		*94.90*	
23 21 16 00-0043	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer		1,464.47	322.21
		For Galvanized Body, Add		*532.10*	
		For Work In Restricted Working Space, Add		*120.08*	
23 21 16 00-0044	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer		2,862.24	392.26
		For Galvanized Body, Add		*1,185.96*	
		For Work In Restricted Working Space, Add		*147.10*	
23 21 16 00-0045	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer		3,166.74	350.23
		For Galvanized Body, Add		*1,233.14*	
		For Work In Restricted Working Space, Add		*210.14*	
23 21 16 00-0046		Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*			
		Note: With screwed cap (4" size has bolted cap).			
23 21 16 00-0047	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		46.40	8.72
		For 300 LB Rating, Add		*36.62*	
		For Work In Restricted Working Space, Add		*7.46*	
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		61.66	11.78
		For 300 LB Rating, Add		*47.60*	
		For Work In Restricted Working Space, Add		*10.10*	
23 21 16 00-0049	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		75.42	14.08
		For 300 LB Rating, Add		*59.96*	
		For Work In Restricted Working Space, Add		*12.05*	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		93.88	17.40
		For 300 LB Rating, Add		*75.07*	
		For Work In Restricted Working Space, Add		*14.92*	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		110.89	18.74
		For 300 LB Rating, Add		*97.50*	
		For Work In Restricted Working Space, Add		*16.06*	
23 21 16 00-0052	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		154.34	21.41
		For 300 LB Rating, Add		*158.37*	
		For Work In Restricted Working Space, Add		*18.35*	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		230.22	26.77
		For 300 LB Rating, Add		*261.36*	
		For Work In Restricted Working Space, Add		*22.94*	
23 21 16 00-0054	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		414.36	33.50
		For 300 LB Rating, Add		*541.88*	
		For Work In Restricted Working Space, Add		*28.68*	
23 21 16 00-0055	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer		719.67	40.15
		For 300 LB Rating, Add		*1,028.40*	
		For Work In Restricted Working Space, Add		*34.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0056		**Flanged, 150 LB, Bronze Body, Y-Type Strainers** *(23 21 16 00-0025)* Note: With bolted cap.		
23 21 16 00-0057	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	395.05	101.95
		For 300 LB Rating, Add	*160.54*	
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	411.68	110.90
		For 300 LB Rating, Add	*163.57*	
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0059	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer	474.91	130.03
		For 300 LB Rating, Add	*187.30*	
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0060	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,031.68	217.98
		For 300 LB Rating, Add	*455.11*	
		For Work In Restricted Working Space, Add	*81.95*	
23 21 16 00-0061	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,466.12	252.17
		For 300 LB Rating, Add	*689.87*	
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0062	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer	2,362.47	322.21
		For 300 LB Rating, Add	*1,177.32*	
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0063	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer	7,532.91	392.26
		For 300 LB Rating, Add	*4,225.55*	
		For Work In Restricted Working Space, Add	*147.10*	
23 21 16 00-0064		**Class 125, Crimped Bronze Body, Y-Type Strainers** *(23 21 16 00-0025)* Note: Nibco®		
23 21 16 00-0065	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	121.25	7.64
		For Work In Restricted Working Space, Add	*5.16*	
23 21 16 00-0066	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	140.52	8.41
		For Work In Restricted Working Space, Add	*5.88*	
23 21 16 00-0067	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	200.93	9.56
		For Work In Restricted Working Space, Add	*7.03*	
23 21 16 00-0068	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	270.50	10.17
		For Work In Restricted Working Space, Add	*7.74*	
23 21 16 00-0069	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	326.15	11.77
		For Work In Restricted Working Space, Add	*8.60*	
23 21 16 00-0070	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	484.60	13.91
		For Work In Restricted Working Space, Add	*10.32*	
23 21 16 00-0071		**250 PSI, Crimped Bronze Body, Y-Type Strainers** *(23 21 16 00-0025)*		
23 21 16 00-0072	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	66.70	7.64
23 21 16 00-0073	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	81.99	8.41
23 21 16 00-0074	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	122.41	9.56
23 21 16 00-0075	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	150.80	10.17
23 21 16 00-0076	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	180.84	11.77
23 21 16 00-0077	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	238.85	13.91
23 21 16 00-0078		**Cast Iron Body, Suction Diffusers** *(23 21 16)* Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0079	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	409.14	30.14
		For Work In Restricted Working Space, Add	*14.75*	
23 21 16 00-0080	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	428.99	33.42
		For Work In Restricted Working Space, Add	*16.39*	
23 21 16 00-0081	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	435.35	35.11
		For Work In Restricted Working Space, Add	*17.22*	
23 21 16 00-0082	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	815.80	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0083	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	448.21	40.84
		For Work In Restricted Working Space, Add	*20.00*	
23 21 16 00-0084	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	509.41	40.84
		For Work In Restricted Working Space, Add	*20.00*	
23 21 16 00-0085	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	852.83	120.72
		For Work In Restricted Working Space, Add	*45.27*	
23 21 16 00-0086	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	868.27	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0087	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,049.46	174.35
		For Work In Restricted Working Space, Add	*65.38*	
23 21 16 00-0088	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,230.66	217.98
		For Work In Restricted Working Space, Add	*81.95*	
23 21 16 00-0089	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,427.94	226.61
		For Work In Restricted Working Space, Add	*84.98*	
23 21 16 00-0090	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,731.00	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0091	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,948.12	322.21
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0092	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,060.40	322.21
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0093	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,488.82	392.26
		For Work In Restricted Working Space, Add	*147.10*	
23 21 16 00-0094	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	4,097.16	392.26
		For Work In Restricted Working Space, Add	*147.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0095		Duplex Strainers *(23 21 16)*		
23 21 16 00-0096		Iron Body, Duplex Strainers *(23 21 16 00-0095)*		
23 21 16 00-0097		Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0096)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0098	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	587.36	19.04
		For Work In Restricted Working Space, Add	*11.43*	
23 21 16 00-0099	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	655.81	21.80
		For Work In Restricted Working Space, Add	*13.09*	
23 21 16 00-0100	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	889.40	25.62
		For Work In Restricted Working Space, Add	*15.37*	
23 21 16 00-0101	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,120.00	27.91
		For Work In Restricted Working Space, Add	*16.75*	
23 21 16 00-0102	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,501.49	34.04
		For Work In Restricted Working Space, Add	*20.49*	
23 21 16 00-0103	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,889.40	43.60
		For Work In Restricted Working Space, Add	*26.15*	
23 21 16 00-0104		Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0096)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0105	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,044.13	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0106	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,112.94	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0107	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,708.74	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0108	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	4,255.10	199.63
		For Work In Restricted Working Space, Add	*75.05*	
23 21 16 00-0109	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	8,326.23	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0110	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	15,847.91	322.21
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0111	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	21,888.17	392.26
		For Work In Restricted Working Space, Add	*147.10*	
23 21 16 00-0112	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	24,790.18	494.53
		For Work In Restricted Working Space, Add	*296.81*	
23 21 16 00-0113	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	29,536.07	560.37
		For Work In Restricted Working Space, Add	*210.14*	
23 21 16 00-0114	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	36,929.44	616.40
		For Work In Restricted Working Space, Add	*231.15*	
23 21 16 00-0115		Bronze Body, Duplex Strainers *(23 21 16 00-0095)*		
23 21 16 00-0116		Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,096.56	19.13
		For Work In Restricted Working Space, Add	*11.43*	
23 21 16 00-0118	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,216.51	21.80
		For Work In Restricted Working Space, Add	*13.09*	
23 21 16 00-0119	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,781.93	25.62
		For Work In Restricted Working Space, Add	*15.37*	
23 21 16 00-0120	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,344.37	27.91
		For Work In Restricted Working Space, Add	*16.75*	
23 21 16 00-0121	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	3,029.09	34.04
		For Work In Restricted Working Space, Add	*20.49*	
23 21 16 00-0122	EA	2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	3,720.23	43.60
		For Work In Restricted Working Space, Add	*26.15*	
23 21 16 00-0123		Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0124	EA	2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	4,246.85	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0125	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	4,372.87	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0126	EA	3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	5,998.52	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0127	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	9,461.53	199.63
		For Work In Restricted Working Space, Add	*75.05*	
23 21 16 00-0128	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	20,569.92	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0129		Cast Steel Body, Duplex Strainers *(23 21 16 00-0095)*		
23 21 16 00-0130		Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0129)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0131	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,709.55	21.80
		For Work In Restricted Working Space, Add	*13.09*	
23 21 16 00-0132	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,105.85	25.62
		For Work In Restricted Working Space, Add	*15.36*	
23 21 16 00-0133	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,499.19	27.91
		For Work In Restricted Working Space, Add	*16.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0134	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	4,233.10	34.04
		For Work In Restricted Working Space, Add	*20.49*	

23 21 16 00-0135 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0129)*

Note: With brass or stainless steel basket.

23 21 16 00-0136	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	4,320.05	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0137	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	4,748.12	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0138	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	6,243.36	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0139	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	9,162.85	199.63
		For Work In Restricted Working Space, Add	*75.05*	
23 21 16 00-0140	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	15,642.83	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0141	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	30,497.94	322.21
		For Work In Restricted Working Space, Add	*120.08*	

23 21 16 00-0142 Stainless Steel Body, Duplex Strainers *(23 21 16 00-0095)*

23 21 16 00-0143 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0142)*

Note: With stainless steel basket.

23 21 16 00-0144	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	4,425.12	21.80
		For Work In Restricted Working Space, Add	*13.09*	
23 21 16 00-0145	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	5,592.99	25.62
		For Work In Restricted Working Space, Add	*15.36*	
23 21 16 00-0146	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,749.79	27.91
		For Work In Restricted Working Space, Add	*16.75*	
23 21 16 00-0147	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	10,819.17	34.04
		For Work In Restricted Working Space, Add	*20.49*	

23 21 16 00-0148 Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0142)*

Note: With stainless steel basket.

23 21 16 00-0149	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,324.63	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0150	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,904.19	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0151	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	18,662.38	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0152	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	22,806.73	199.63
		For Work In Restricted Working Space, Add	*75.05*	
23 21 16 00-0153	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	40,074.33	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0154	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	74,074.25	322.21
		For Work In Restricted Working Space, Add	*120.08*	

23 21 16 00-0155 Pressure Regulating Valve *(23 21 16)*

23 21 16 00-0156 Screwed Ends, Water Pressure Reducing Valves *(23 21 16 00-0155)*

Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.

23 21 16 00-0157	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	193.00	9.56
		For Work In Restricted Working Space, Add	*11.47*	
23 21 16 00-0158	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	239.74	10.71
		For Work In Restricted Working Space, Add	*12.74*	
23 21 16 00-0159	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	320.00	11.47
		For Work In Restricted Working Space, Add	*13.49*	
23 21 16 00-0160	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	559.35	12.84
		For Work In Restricted Working Space, Add	*15.29*	
23 21 16 00-0161	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	762.45	15.29
		For Work In Restricted Working Space, Add	*18.35*	
23 21 16 00-0162	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,090.13	23.46
		For Work In Restricted Working Space, Add	*28.17*	
23 21 16 00-0163	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,184.44	26.41
		For Work In Restricted Working Space, Add	*31.70*	
23 21 16 00-0164	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,300.92	76.43
		For Work In Restricted Working Space, Add	*35.22*	

23 21 16 00-0165 Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0155)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0166 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0165)*

23 21 16 00-0167	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	330.08	12.85
		For Work In Restricted Working Space, Add	*15.40*	
23 21 16 00-0168	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	410.05	18.21
		For Work In Restricted Working Space, Add	*21.85*	
23 21 16 00-0169	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	528.87	22.18
		For Work In Restricted Working Space, Add	*26.68*	
23 21 16 00-0170	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	713.64	26.92
		For Work In Restricted Working Space, Add	*31.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0171	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	966.09	30.59
		For Work In Restricted Working Space, Add	*35.30*	
23 21 16 00-0172	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,127.99	42.86
		For Work In Restricted Working Space, Add	*42.86*	
23 21 16 00-0173		**Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0165)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0174	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	2,676.42	103.57
		For Work In Restricted Working Space, Add	*38.96*	
23 21 16 00-0175	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,331.59	121.42
		For Work In Restricted Working Space, Add	*45.59*	
23 21 16 00-0176	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,262.56	203.56
		For Work In Restricted Working Space, Add	*76.53*	
23 21 16 00-0177	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	10,753.38	252.06
		For Work In Restricted Working Space, Add	*94.86*	
23 21 16 00-0178		**Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0155)*		
23 21 16 00-0179		**Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0178)*		
23 21 16 00-0180	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,957.66	9.33
		For Work In Restricted Working Space, Add	*14.00*	
23 21 16 00-0181	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,999.10	9.33
		For Work In Restricted Working Space, Add	*14.00*	
23 21 16 00-0182	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,126.47	11.78
		For Work In Restricted Working Space, Add	*17.67*	
23 21 16 00-0183	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,497.10	14.99
		For Work In Restricted Working Space, Add	*22.49*	
23 21 16 00-0184	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,858.54	17.28
		For Work In Restricted Working Space, Add	*25.93*	
23 21 16 00-0185	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,546.14	20.34
		For Work In Restricted Working Space, Add	*30.52*	
23 21 16 00-0186		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0178)*		
23 21 16 00-0187	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,380.12	103.57
		For Work In Restricted Working Space, Add	*38.96*	
23 21 16 00-0188	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,406.08	121.42
		For Work In Restricted Working Space, Add	*45.59*	
23 21 16 00-0189	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	8,180.02	203.56
		For Work In Restricted Working Space, Add	*76.53*	
23 21 16 00-0190	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	18,095.47	252.06
		For Work In Restricted Working Space, Add	*94.86*	
23 21 16 00-0191		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0155)*		
23 21 16 00-0192	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	218.45	9.94
23 21 16 00-0193	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	272.17	11.01
23 21 16 00-0194	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	365.22	11.69
23 21 16 00-0195	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	642.94	13.31
23 21 16 00-0196	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	877.74	15.90
23 21 16 00-0197	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,253.93	24.37
23 21 16 00-0198	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,358.29	26.55
23 21 16 00-0199	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,495.52	30.56
23 21 16 00-0200		**Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0155)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	133.53	9.56
23 21 16 00-0202	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	146.72	10.71
23 21 16 00-0203	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	182.77	11.85
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	436.36	12.84
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	472.61	15.29
23 21 16 00-0206	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	742.83	23.46
23 21 16 00-0207		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0208	EA	1/2" Dual Unit Reducing And Relief Valve	150.55	23.33
23 21 16 00-0209		**Safety Relief Valve** *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0209)*		
		Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	54.72	9.56
23 21 16 00-0212	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	76.79	10.52
23 21 16 00-0213	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	111.77	12.80
23 21 16 00-0214	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	145.59	13.57
23 21 16 00-0215	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	200.66	18.16
23 21 16 00-0216	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	270.22	21.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0217	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	305.54	26.76
23 21 16 00-0218		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0219	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	62.40	19.50
		For Cast Iron Body, Add	*38.18*	
23 21 16 00-0220	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	80.76	23.40
		For Cast Iron Body, Add	*53.18*	
23 21 16 00-0221	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	118.72	31.19
		For Cast Iron Body, Add	*84.69*	
23 21 16 00-0222	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	198.60	33.41
		For Cast Iron Body, Add	*179.99*	
23 21 16 00-0223	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	336.59	37.46
		For Cast Iron Body, Add	*344.31*	
23 21 16 00-0224	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	387.99	53.88
		For Cast Iron Body, Add	*374.93*	
23 21 16 00-0225		**Thermostatic Radiator Valves** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	47.55	12.33
23 21 16 00-0227	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	57.08	16.63
23 21 16 00-0228	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	77.43	20.13
23 21 16 00-0229	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	114.86	25.50
23 21 16 00-0230	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	47.55	12.33
23 21 16 00-0231	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	57.08	16.63
23 21 16 00-0232	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	77.43	20.13
23 21 16 00-0233	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	114.86	25.50
23 21 16 00-0234	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	60.82	9.56
23 21 16 00-0235	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	89.92	13.38
23 21 16 00-0236		**Radiator Trap Repair Kits** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	89.19	
23 21 16 00-0238	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	111.34	
23 21 16 00-0239	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	112.53	
23 21 16 00-0240	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	128.02	
23 21 16 00-0241	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	300.31	
23 21 16 00-0242		**Horizontal Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0243	EA	10 Gallon Horizontal Steel Expansion Tank	463.08	76.48
23 21 16 00-0244	EA	15 Gallon Horizontal Steel Expansion Tank	656.37	95.61
23 21 16 00-0245	EA	30 Gallon Horizontal Steel Expansion Tank	861.32	114.73
23 21 16 00-0246	EA	40 Gallon Horizontal Steel Expansion Tank	991.27	133.85
23 21 16 00-0247	EA	60 Gallon Horizontal Steel Expansion Tank	1,151.37	140.09
23 21 16 00-0248		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0249	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,679.55	57.37
23 21 16 00-0250	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,726.40	66.93
23 21 16 00-0251	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,489.80	76.48
23 21 16 00-0252	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,654.53	86.04
23 21 16 00-0253	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,387.88	95.61
23 21 16 00-0254	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,559.56	105.17
23 21 16 00-0255	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,352.99	114.73
23 21 16 00-0256	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,704.96	124.28
23 21 16 00-0257	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,207.15	133.85
23 21 16 00-0258	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,321.68	152.97
23 21 16 00-0259	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,561.85	172.09
23 21 16 00-0260	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,621.72	191.21
23 21 16 00-0261	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,770.69	229.45
23 21 16 00-0262		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0263	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	61.18	7.04
23 21 16 00-0264	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	87.14	7.04
23 21 16 00-0265		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0266	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	725.04	229.53
23 21 16 00-0267	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	752.10	229.53
23 21 16 00-0268	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	779.15	229.53
23 21 16 00-0269	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	849.49	229.53
23 21 16 00-0270	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,026.54	305.86
23 21 16 00-0271	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,188.59	306.01
23 21 16 00-0272	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,220.73	306.01
23 21 16 00-0273	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,252.87	306.01
23 21 16 00-0274	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,591.64	382.42
23 21 16 00-0275	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	4,316.45	382.42
23 21 16 00-0276	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	5,479.99	458.75

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0277		ASME Construction Compression Tanks *(23 21 16)*			
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.			
23 21 16 00-0278	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank		768.88	134.61
		For Galvanized Steel Tanks, Add		*282.46*	
23 21 16 00-0279	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank		783.58	138.44
		For Galvanized Steel Tanks, Add		*286.62*	
23 21 16 00-0280	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank		856.92	143.03
		For Galvanized Steel Tanks, Add		*319.85*	
23 21 16 00-0281	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank		940.08	148.38
		For Galvanized Steel Tanks, Add		*357.23*	
23 21 16 00-0282	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank		1,101.09	156.79
		For Galvanized Steel Tanks, Add		*432.00*	
23 21 16 00-0283	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank		1,143.94	162.92
		For Galvanized Steel Tanks, Add		*448.61*	
23 21 16 00-0284	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank		1,423.14	177.45
		For Galvanized Steel Tanks, Add		*577.39*	
23 21 16 00-0285	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank		1,551.36	190.45
		For Galvanized Steel Tanks, Add		*631.37*	
23 21 16 00-0286	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank		1,936.41	214.92
		For Galvanized Steel Tanks, Add		*805.47*	
23 21 16 00-0287	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank		2,466.61	246.28
		For Galvanized Steel Tanks, Add		*1,046.76*	
23 21 16 00-0288	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank		2,960.75	273.05
		For Galvanized Steel Tanks, Add		*1,273.66*	
23 21 16 00-0289	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank		3,238.15	296.76
		For Galvanized Steel Tanks, Add		*1,394.12*	
23 21 16 00-0290	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank		4,104.13	325.82
		For Galvanized Steel Tanks, Add		*1,805.34*	
23 21 16 00-0291	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank		4,231.01	348.00
		For Galvanized Steel Tanks, Add		*1,851.77*	
23 21 16 00-0292	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank		5,472.67	374.01
		For Galvanized Steel Tanks, Add		*2,453.06*	
23 21 16 00-0293	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank		9,165.21	439.02
		For Galvanized Steel Tanks, Add		*4,250.07*	
23 21 16 00-0294		Compression Tank Air Fittings *(23 21 16)*			
23 21 16 00-0295	EA	9" To 24" Diameter Compression Tank Air Fittings		130.28	21.41
23 21 16 00-0296	EA	>100 Gallon Compression Tank Air Fittings		410.60	25.24
23 21 16 00-0297		Vortex Air Separators With Strainer *(23 21 16)*			
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.			
23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)		1,116.06	162.92
		For 300 PSIG, Add		*130.40*	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)		1,384.10	186.63
		For 300 PSIG, Add		*165.12*	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)		2,143.24	219.51
		For 300 PSIG, Add		*271.61*	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)		2,291.68	232.58
		For 300 PSIG, Add		*290.90*	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)		2,954.41	310.10
		For 300 PSIG, Add		*372.69*	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)		3,750.72	381.05
		For 300 PSIG, Add		*476.08*	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)		4,455.22	431.48
		For 300 PSIG, Add		*570.22*	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)		6,432.68	517.64
		For 300 PSIG, Add		*847.22*	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)		9,955.30	588.39
		For 300 PSIG, Add		*1,359.57*	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)		13,437.03	761.40
		For 300 PSIG, Add		*1,842.50*	
23 21 16 00-0308		Vortex Air Separators *(23 21 16)*			
		Note: Without system strainer.			
23 21 16 00-0309	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)		946.31	162.92
		For 300 PSIG, Add		*104.94*	
23 21 16 00-0310	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)		1,198.92	186.63
		For 300 PSIG, Add		*137.35*	
23 21 16 00-0311	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)		2,096.95	219.51
		For 300 PSIG, Add		*264.66*	
23 21 16 00-0312	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)		1,885.30	232.58
		For 300 PSIG, Add		*229.94*	
23 21 16 00-0313	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)		2,527.46	310.10
		For 300 PSIG, Add		*308.64*	
23 21 16 00-0314	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)		3,303.19	381.05
		For 300 PSIG, Add		*408.95*	
23 21 16 00-0315	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)		3,848.22	431.48
		For 300 PSIG, Add		*479.17*	
23 21 16 00-0316	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)		10,784.53	517.64
		For 300 PSIG, Add		*1,500.00*	
23 21 16 00-0317	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)		7,182.66	588.39
		For 300 PSIG, Add		*943.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0318	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	11,107.42	761.40
		For 300 PSIG, Add	*1,493.06*	
23 21 16 00-0319		**Grooved, With Strainer, Vortex Air Separators** *(23 21 16)*		
23 21 16 00-0320	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	2,015.44	186.05
23 21 16 00-0321	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	2,860.21	247.92
23 21 16 00-0322	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	3,635.33	304.57
23 21 16 00-0323	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	4,324.42	345.19
23 21 16 00-0324	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	6,265.48	414.22
23 21 16 00-0325	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	10,178.22	470.71
23 21 16 00-0326	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	15,524.13	609.19
23 21 16 00-0327		**Grooved Vortex Air Separators** *(23 21 16)*		
		Note: Without system strainer.		
23 21 16 00-0328	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,593.63	186.05
23 21 16 00-0329	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	2,433.26	247.92
23 21 16 00-0330	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	3,187.80	304.57
23 21 16 00-0331	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	3,717.42	345.19
23 21 16 00-0332	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	4,979.47	414.22
23 21 16 00-0333	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	7,364.43	470.71
23 21 16 00-0334	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	12,279.20	609.19
23 21 16 00-0335		**Swivel Joints** *(23 21 16)*		
23 21 16 00-0336		**Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)** *(23 21 16 00-0335)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0337	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	280.59	20.11
23 21 16 00-0338	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	402.94	29.44
23 21 16 00-0339	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	567.93	34.42
23 21 16 00-0340	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	843.83	58.90
23 21 16 00-0341	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,061.88	81.34
23 21 16 00-0342	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,336.58	217.99
23 21 16 00-0343	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	2,518.44	275.34
23 21 16 00-0344		**Basket Strainers** *(23 21 16)*		
23 21 16 00-0345		**Bronze Body Basket Strainers** *(23 21 16 00-0344)*		
23 21 16 00-0346		**Screwed Ends, Bronze Body Basket Strainers** *(23 21 16 00-0345)*		
23 21 16 00-0347	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	205.42	15.30
		For Work In Restricted Working Space, Add	*9.11*	
23 21 16 00-0348	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	242.77	17.98
		For Work In Restricted Working Space, Add	*10.70*	
23 21 16 00-0349	EA	1" Screwed Ends, Bronze Body Basket Strainer	281.64	21.41
		For Work In Restricted Working Space, Add	*12.75*	
23 21 16 00-0350	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	350.60	23.71
		For Work In Restricted Working Space, Add	*14.21*	
23 21 16 00-0351	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	413.94	26.77
		For Work In Restricted Working Space, Add	*16.05*	
23 21 16 00-0352	EA	2" Screwed Ends, Bronze Body Basket Strainer	616.23	30.59
		For Work In Restricted Working Space, Add	*18.38*	
23 21 16 00-0353	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	871.59	40.92
		For Work In Restricted Working Space, Add	*24.61*	
23 21 16 00-0354	EA	3" Screwed Ends, Bronze Body Basket Strainer	1,225.57	43.60
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0355		**Flanged, Bronze Body Basket Strainers** *(23 21 16 00-0345)*		
23 21 16 00-0356	EA	2" Flanged, Bronze Body Basket Strainer	968.52	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0357	EA	2-1/2" Flanged, Bronze Body Basket Strainer	1,454.98	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0358	EA	3" Flanged, Bronze Body Basket Strainer	1,650.29	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0359	EA	4" Flanged, Bronze Body Basket Strainer	2,790.55	217.98
		For Work In Restricted Working Space, Add	*81.95*	
23 21 16 00-0360	EA	6" Flanged, Bronze Body Basket Strainer	5,293.91	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0361	EA	8" Flanged, Bronze Body Basket Strainer	9,640.25	322.21
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0362		**Iron Body Basket Strainers** *(23 21 16 00-0344)*		
23 21 16 00-0363		**Screwed Ends, Iron Body Basket Strainers** *(23 21 16 00-0362)*		
23 21 16 00-0364	EA	1/2" Screwed Ends, Iron Body Basket Strainer	326.63	15.30
		For Work In Restricted Working Space, Add	*9.11*	
23 21 16 00-0365	EA	3/4" Screwed Ends, Iron Body Basket Strainer	367.27	17.98
		For Work In Restricted Working Space, Add	*10.70*	
23 21 16 00-0366	EA	1" Screwed Ends, Iron Body Basket Strainer	433.90	21.41
		For Work In Restricted Working Space, Add	*12.75*	
23 21 16 00-0367	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	571.97	23.71
		For Work In Restricted Working Space, Add	*14.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	627.02	26.77
		For Work In Restricted Working Space, Add	*16.05*	
23 21 16 00-0369	EA	2" Screwed Ends, Iron Body Basket Strainer	746.23	30.59
		For Work In Restricted Working Space, Add	*18.38*	
23 21 16 00-0370	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,060.57	40.92
		For Work In Restricted Working Space, Add	*24.61*	
23 21 16 00-0371	EA	3" Screwed Ends, Iron Body Basket Strainer	1,201.45	43.60
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0372		Flanged, Iron Body Basket Strainers *(23 21 16 00-0362)*		
23 21 16 00-0373	EA	2" Flanged, Iron Body Basket Strainer	700.84	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0374	EA	2-1/2" Flanged, Iron Body Basket Strainer	911.86	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0375	EA	3" Flanged, Iron Body Basket Strainer	985.39	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0376	EA	4" Flanged, Iron Body Basket Strainer	1,511.29	217.98
		For Work In Restricted Working Space, Add	*81.95*	
23 21 16 00-0377	EA	6" Flanged, Iron Body Basket Strainer	2,726.12	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0378	EA	8" Flanged, Iron Body Basket Strainer	4,845.91	322.21
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0379	EA	10" Flanged, Iron Body Basket Strainer	7,179.55	392.26
		For Work In Restricted Working Space, Add	*147.10*	
23 21 16 00-0380	EA	12" Flanged, Iron Body Basket Strainer	8,924.62	494.53
		For Work In Restricted Working Space, Add	*296.69*	
23 21 16 00-0381	EA	14" Flanged, Iron Body Basket Strainer	10,713.54	560.37
		For Work In Restricted Working Space, Add	*210.14*	
23 21 16 00-0382	EA	16" Flanged, Iron Body Basket Strainer	11,240.61	616.40
		For Work In Restricted Working Space, Add	*231.15*	
23 21 16 00-0383		Cast Steel Body Basket Strainers *(23 21 16 00-0344)*		
23 21 16 00-0384		Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0383)*		
23 21 16 00-0385	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	497.87	21.41
		For Work In Restricted Working Space, Add	*12.75*	
23 21 16 00-0386	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	655.20	23.71
		For Work In Restricted Working Space, Add	*14.21*	
23 21 16 00-0387	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	738.47	26.77
		For Work In Restricted Working Space, Add	*16.04*	
23 21 16 00-0388	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	1,035.68	30.59
		For Work In Restricted Working Space, Add	*18.37*	
23 21 16 00-0389	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,452.04	40.92
		For Work In Restricted Working Space, Add	*24.61*	
23 21 16 00-0390	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	1,881.54	43.60
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0391		Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0383)*		
23 21 16 00-0392	EA	2" Flanged, Cast Steel Body Basket Strainer	1,545.72	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0393	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	2,213.37	110.90
		For Work In Restricted Working Space, Add	*41.72*	
23 21 16 00-0394	EA	3" Flanged, Cast Steel Body Basket Strainer	2,430.00	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0395	EA	4" Flanged, Cast Steel Body Basket Strainer	3,456.98	217.98
		For Work In Restricted Working Space, Add	*81.95*	
23 21 16 00-0396	EA	6" Flanged, Cast Steel Body Basket Strainer	6,056.86	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0397	EA	8" Flanged, Cast Steel Body Basket Strainer	9,807.00	322.21
		For Work In Restricted Working Space, Add	*120.08*	
23 21 16 00-0398		Stainless Steel Body Basket Strainers *(23 21 16 00-0344)*		
23 21 16 00-0399		Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0398)*		
23 21 16 00-0400	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	330.71	21.41
		For Work In Restricted Working Space, Add	*12.75*	
23 21 16 00-0401	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	474.01	23.71
		For Work In Restricted Working Space, Add	*14.21*	
23 21 16 00-0402	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	490.08	26.77
		For Work In Restricted Working Space, Add	*16.04*	
23 21 16 00-0403	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	721.87	30.59
		For Work In Restricted Working Space, Add	*18.37*	
23 21 16 00-0404	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,019.47	40.92
		For Work In Restricted Working Space, Add	*24.61*	
23 21 16 00-0405	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	1,435.40	43.60
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0406		Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0398)*		
23 21 16 00-0407	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,110.58	101.95
		For Work In Restricted Working Space, Add	*38.24*	
23 21 16 00-0408	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	1,670.07	110.90
		For Work In Restricted Working Space, Add	*41.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0409	EA	3" Flanged, Stainless Steel Body Basket Strainer	1,892.08	130.03
		For Work In Restricted Working Space, Add	*48.82*	
23 21 16 00-0410	EA	4" Flanged, Stainless Steel Body Basket Strainer	3,198.19	217.98
		For Work In Restricted Working Space, Add	*81.95*	
23 21 16 00-0411	EA	6" Flanged, Stainless Steel Body Basket Strainer	4,882.24	252.17
		For Work In Restricted Working Space, Add	*94.90*	
23 21 16 00-0412	EA	8" Flanged, Stainless Steel Body Basket Strainer	8,447.68	322.21
		For Work In Restricted Working Space, Add	*120.08*	

23 21 16 00-0413 Air Vents *(23 21 16)*

23 21 16 00-0414 Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0413)*

Note: With guided free floating lever.

23 21 16 00-0415	EA	1/2" NPT, Cast Iron, Automatic Air Vent	242.28	22.18
23 21 16 00-0416	EA	3/4" NPT, Cast Iron, Automatic Air Vent	295.89	29.44
23 21 16 00-0417	EA	1" NPT, Cast Iron, Automatic Air Vent	688.64	30.59
23 21 16 00-0418	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,020.44	47.27
23 21 16 00-0419	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	1,712.25	50.87
23 21 16 00-0420	EA	2" NPT, Cast Iron, Automatic Air Vent	1,962.73	67.08

23 21 16 00-0421 Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0413)*

Note: With guided free floating lever.

23 21 16 00-0422	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,392.98	25.62
23 21 16 00-0423	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,746.06	29.44
23 21 16 00-0424	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,083.90	30.59
23 21 16 00-0425	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,419.50	47.42
23 21 16 00-0426	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,949.77	50.87
23 21 16 00-0427	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,807.51	66.93

23 21 16 00-0428 Manual Air Vent *(23 21 16 00-0413)*

23 21 16 00-0429	EA	Manual Air Vent	60.69	27.61

23 21 23 Hydronic Pumps *(23 21)*

23 21 23 13 In-Line Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*

Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

23 21 23 13-0002	EA	50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP	3,051.65	204.38
		For Mechanical Seal, Add	*195.10*	
		For Cast Steel Case, Add	*438.99*	
23 21 23 13-0003	EA	75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP	3,356.31	247.37
		For Mechanical Seal, Add	*209.16*	
		For Cast Steel Case, Add	*470.60*	
23 21 23 13-0004	EA	100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP	3,887.25	293.88
		For Mechanical Seal, Add	*240.50*	
		For Cast Steel Case, Add	*541.13*	
23 21 23 13-0005	EA	125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP	4,261.96	391.85
		For Mechanical Seal, Add	*246.99*	
		For Cast Steel Case, Add	*555.72*	
23 21 23 13-0006	EA	150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP	5,041.22	427.09
		For Mechanical Seal, Add	*300.79*	
		For Cast Steel Case, Add	*676.77*	
23 21 23 13-0007	EA	200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP	7,368.05	470.07
		For Mechanical Seal, Add	*476.68*	
		For Cast Steel Case, Add	*1,072.54*	
23 21 23 13-0008	EA	250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP	8,693.16	587.07
		For Mechanical Seal, Add	*554.50*	
		For Cast Steel Case, Add	*1,247.63*	
23 21 23 13-0009	EA	300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP	7,485.73	670.94
		For Mechanical Seal, Add	*437.77*	
		For Cast Steel Case, Add	*984.98*	
23 21 23 13-0010	EA	400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP	15,116.67	726.38
		For Mechanical Seal, Add	*1,035.00*	
		For Cast Steel Case, Add	*2,328.74*	
23 21 23 13-0011	EA	600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP	16,655.43	933.72
		For Mechanical Seal, Add	*1,108.29*	
		For Cast Steel Case, Add	*2,493.64*	
23 21 23 13-0012	EA	Centrifugal, Cast Iron Circulating Pump 1/2 HP	818.40	142.36
23 21 23 13-0013	EA	Centrifugal, Cast Iron Circulating Pump 3/4 HP	882.50	151.53

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,495.79	223.41
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	3,913.13	223.69
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	5,150.93	293.88
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	5,664.47	361.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	6,318.79	361.54
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	6,166.53	391.85
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	6,538.54	391.85
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	7,141.15	410.88
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	7,975.50	522.23
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	8,458.00	587.07
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	13,474.76	1,450.91
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	19,286.02	1,740.78
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	22,011.13	2,175.97

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP	1,378.81	164.21
		For 300 LB Flanges, Add	*270.67*	
23 21 23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP	1,614.17	176.19
		For 300 LB Flanges, Add	*337.47*	
23 21 23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP	2,000.55	188.17
		For 300 LB Flanges, Add	*421.83*	
23 21 23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP	2,380.56	223.41
		For 300 LB Flanges, Add	*494.46*	
23 21 23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP	2,501.44	223.69
		For 300 LB Flanges, Add	*519.64*	
23 21 23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	2,769.45	293.88
		For 300 LB Flanges, Add	*560.22*	
23 21 23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	2,769.45	293.88
		For 300 LB Flanges, Add	*560.22*	
23 21 23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	2,769.45	293.88
		For 300 LB Flanges, Add	*560.22*	
23 21 23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	3,379.56	361.54
		For 300 LB Flanges, Add	*682.25*	
23 21 23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	3,452.31	361.26
		For 300 LB Flanges, Add	*693.88*	
23 21 23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP	3,628.22	391.85
		For 300 LB Flanges, Add	*730.86*	
23 21 23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP	3,965.86	410.88
		For 300 LB Flanges, Add	*801.19*	
23 21 23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP	4,507.31	522.23
		For 300 LB Flanges, Add	*891.91*	
23 21 23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP	5,101.99	587.07
		For 300 LB Flanges, Add	*1,011.21*	
23 21 23 16-0030	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP	8,813.36	1,450.91
		For 300 LB Flanges, Add	*1,503.92*	
23 21 23 16-0031	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP	10,521.58	1,740.78
		For 300 LB Flanges, Add	*1,791.09*	
23 21 23 16-0032	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP	12,718.22	2,175.97
		For 300 LB Flanges, Add	*2,130.43*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP	1,972.03	164.21
		For 300 LB Flanges, Add	*418.98*	
23 21 23 16-0035	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP	2,037.20	176.19
		For 300 LB Flanges, Add	*430.01*	
23 21 23 16-0036	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP	2,102.46	188.17
		For 300 LB Flanges, Add	*441.04*	
23 21 23 16-0037	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP	2,263.54	192.41
		For 300 LB Flanges, Add	*479.23*	
23 21 23 16-0038	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP	3,534.80	223.41
		For 300 LB Flanges, Add	*783.02*	
23 21 23 16-0039	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP	4,640.03	293.88
		For 300 LB Flanges, Add	*1,045.75*	
23 21 23 16-0040	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP	4,795.65	317.14
		For 300 LB Flanges, Add	*1,066.77*	
23 21 23 16-0041	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP	5,160.41	352.38
		For 300 LB Flanges, Add	*1,127.47*	
23 21 23 16-0042	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP	5,692.90	363.54
		For 300 LB Flanges, Add	*1,259.78*	
23 21 23 16-0043	EA	1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP	6,485.43	467.21
		For 300 LB Flanges, Add	*1,411.22*	
23 21 23 16-0044	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP	8,288.83	580.52
		For 300 LB Flanges, Add	*1,792.44*	
23 21 23 16-0045	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP	9,478.52	725.06
		For 300 LB Flanges, Add	*2,019.92*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	13,189.91	870.39
		For 300 LB Flanges, Add	*2,877.83*	
23 21 23 16-0047	EA	3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP	23,779.01	966.76
		For 300 LB Flanges, Add	*5,478.47*	
23 21 23 16-0048	EA	4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP	25,688.17	1,243.41
		For 300 LB Flanges, Add	*5,822.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0049		**Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA	100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP	6,635.74	361.54
		For 300 LB Flanges, Add	*1,496.30*	
23 21 23 16-0051	EA	200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP	7,188.33	391.85
		For 300 LB Flanges, Add	*1,620.89*	
23 21 23 16-0052	EA	300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP	8,769.16	527.72
		For 300 LB Flanges, Add	*1,950.65*	
23 21 23 16-0053	EA	400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP	16,710.34	725.14
		For 300 LB Flanges, Add	*3,845.33*	
23 21 23 16-0054	EA	800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP	20,608.30	966.85
		For 300 LB Flanges, Add	*4,709.07*	
23 21 23 16-0055		**Cast Iron Close Coupling Pumps** *(23 21 23 16)*		
23 21 23 16-0056		**Foot Mounted Cast Iron Close Coupled Pumps** *(23 21 23 16-0055)*		
23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	3,135.40	211.43
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	3,403.01	211.43
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,777.90	223.18
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	4,014.63	223.18
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	4,602.73	234.68
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	5,485.20	291.86
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	7,186.65	359.54
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	7,695.92	389.15
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	8,895.02	420.27
23 21 23 16-0066		**Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt** *(23 21 23 16)*		
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	800.55	109.14
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	853.75	115.72
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	991.01	123.22
23 21 23 23		**Vertical-Turbine Hydronic Pumps** *(23 21 23)* See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001		**Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps** *(23 21 23 23)* Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA	50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP	4,009.46	522.23
		For Each Extra Column Assembly <60", Add	*352.08*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*129.06*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*88.96*	
23 21 23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP	4,161.71	587.07
		For Each Extra Column Assembly <60", Add	*364.51*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*134.89*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*93.28*	
23 21 23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP	5,153.20	580.52
		For Each Extra Column Assembly <60", Add	*453.89*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*164.50*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*112.96*	
23 21 23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP	5,502.90	669.89
		For Each Extra Column Assembly <60", Add	*483.27*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*177.07*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*122.05*	
23 21 23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP	6,554.85	725.06
		For Each Extra Column Assembly <60", Add	*571.02*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*215.57*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*150.02*	
23 21 23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP	9,840.65	870.39
		For Each Extra Column Assembly <60", Add	*843.21*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*337.67*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*239.27*	
23 21 23 23-0008	EA	3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP	11,871.03	1,087.99
		For Each Extra Column Assembly <60", Add	*1,019.62*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*404.90*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*286.19*	
23 21 23 23-0009	EA	4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP	18,010.43	1,243.41
		For Each Extra Column Assembly <60", Add	*1,520.77*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*640.48*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*460.38*	
23 21 23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP	23,255.15	1,450.91
		For Each Extra Column Assembly <60", Add	*1,953.67*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*836.95*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*604.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP	31,973.41	1,740.78
		For Each Extra Column Assembly <60", Add	*2,669.78*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,167.03*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*847.30*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	164.16	22.91
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	178.97	22.91
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	283.45	26.43

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	87.66	17.62
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	93.98	17.62
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	159.32	22.91
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	171.21	26.43
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	324.94	29.96

23 22 Steam And Condensate Piping And Pumps *(23 20)*

23 22 16 Steam And Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 Steam Temperature Regulator, Iron Body *(23 22 16)*

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,217.09	11.01
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,277.78	14.84
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,696.95	18.27
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,871.29	23.09
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,917.51	26.53
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,268.02	28.88
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,872.80	52.90
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,151.93	57.68
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,177.07	135.03
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,253.77	158.49

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,809.01	11.01
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,870.60	14.84
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,951.51	18.27
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,335.08	23.09
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,499.88	26.53
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,839.90	28.88
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,344.40	52.90
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,968.53	57.68
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,134.39	135.03
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,650.59	158.49

23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,468.97	11.01
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,501.77	14.84
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,736.13	18.27
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,976.73	23.09
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,082.25	26.53
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,478.08	28.88
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,436.71	52.90
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,192.36	57.68
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,332.65	135.03
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,465.05	158.49

23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,166.41	11.01
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,195.73	14.84
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,468.44	18.27
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,611.37	23.09
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,748.29	26.53
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,081.35	28.88
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,785.43	52.90
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,405.58	57.68
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,545.87	135.03
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,678.26	158.49

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0046		High Temperature Safety Relief Valve *(23 22 16)*			
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.			
23 22 16 00-0047		Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0046)*			
		Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.			
23 22 16 00-0048		Threaded *(23 22 16 00-0047)*			
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		438.72	11.47
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		456.72	13.57
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		500.34	17.20
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		620.40	19.12
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		795.76	23.51
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		1,249.81	26.76
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water		1,351.95	30.77
23 22 16 00-0056		Flanged *(23 22 16 00-0047)*			
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		3,176.43	80.28
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		3,684.72	120.67
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		4,081.92	111.17
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		4,945.32	160.57
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		5,303.50	119.74
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		6,221.46	160.57
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		10,431.61	227.86
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water		20,847.66	254.48
23 22 16 00-0065		Bronze Body Safety Valve, Threaded, Steam *(23 22 16 00-0046)*			
		Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.			
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam		480.50	10.52
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam		491.07	11.47
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam		576.08	12.61
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam		636.73	13.57
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam		737.37	15.29
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam		738.10	17.20
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam		832.11	18.16
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam		907.90	19.12
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam		1,268.90	21.40
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam		1,386.58	23.51
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam		1,656.57	26.76
23 22 16 00-0077		Bronze Body Safety Valve, Threaded, Water *(23 22 16 00-0046)*			
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.			
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water		217.03	10.52
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water		248.16	11.47
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water		349.13	12.61
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water		384.93	13.57
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water		563.92	15.29
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water		764.76	18.16
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water		1,123.85	21.40
23 22 16 00-0085		Steam Traps *(23 22 16)*			
23 22 16 00-0086		Inverted Bucket Steam Traps *(23 22 16 00-0085)*			
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap		242.55	22.94
		For Work In Restricted Working Space, Add		*13.77*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap		244.46	23.90
		For Work In Restricted Working Space, Add		*14.34*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap		367.57	25.47
		For Work In Restricted Working Space, Add		*15.30*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap		597.16	34.76
		For Work In Restricted Working Space, Add		*20.86*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap		892.74	42.84
		For Work In Restricted Working Space, Add		*25.49*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap		1,135.37	63.73
		For Work In Restricted Working Space, Add		*38.24*	
23 22 16 00-0093		Float And Thermostatic Steam Traps *(23 22 16 00-0085)*			
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap		256.53	23.90
		For Work In Restricted Working Space, Add		*14.34*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap		340.38	25.49
		For Work In Restricted Working Space, Add		*15.30*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap		419.68	34.76
		For Work In Restricted Working Space, Add		*20.86*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap		569.44	42.48
		For Work In Restricted Working Space, Add		*25.50*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap		1,046.82	63.71
		For Work In Restricted Working Space, Add		*38.24*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap		329.20	23.90
		For Work In Restricted Working Space, Add		*14.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	357.97	25.47
		For Work In Restricted Working Space, Add	*15.30*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	467.64	34.76
		For Work In Restricted Working Space, Add	*20.86*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	674.96	42.45
		For Work In Restricted Working Space, Add	*25.50*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,153.95	63.73
		For Work In Restricted Working Space, Add	*38.24*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	429.93	23.90
		For Work In Restricted Working Space, Add	*14.34*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	479.48	25.49
		For Work In Restricted Working Space, Add	*15.30*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	731.46	34.76
		For Work In Restricted Working Space, Add	*20.86*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	746.92	42.45
		For Work In Restricted Working Space, Add	*25.50*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,456.12	63.73
		For Work In Restricted Working Space, Add	*38.24*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	436.32	23.90
		For Work In Restricted Working Space, Add	*14.34*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	479.48	25.49
		For Work In Restricted Working Space, Add	*15.30*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	731.46	34.76
		For Work In Restricted Working Space, Add	*20.86*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	746.92	42.45
		For Work In Restricted Working Space, Add	*25.50*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,456.12	63.73
		For Work In Restricted Working Space, Add	*38.24*	

23 22 16 00-0114 Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	120.07	22.94
		For Work In Restricted Working Space, Add	*13.77*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	206.07	23.90
		For Work In Restricted Working Space, Add	*14.34*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	256.01	25.47
		For Work In Restricted Working Space, Add	*15.30*	

23 22 16 00-0118 Thermodynamic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	275.80	20.65
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	394.45	22.94
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	490.68	23.90
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	660.15	25.47

23 22 16 00-0123 Steam Moisture Separator *(23 22 16 00-0085)*

23 22 16 00-0124	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	727.01	58.13
23 22 16 00-0125	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,159.14	66.55
23 22 16 00-0126	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	1,412.30	101.95
23 22 16 00-0127	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,138.13	110.90
23 22 16 00-0128	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,435.79	130.03
23 22 16 00-0129	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,370.87	217.99
23 22 16 00-0130	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	6,631.74	275.34

23 22 16 00-0131 Steam/Condensate Meter *(23 22 16)*

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

23 22 16 00-0132	EA	1" Steam/Condensate Meter	4,953.76	63.40
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0133	EA	2" Steam/Condensate Meter	5,587.96	74.48
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0134	EA	2-1/2" Steam/Condensate Meter	5,921.61	92.45
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	3" Steam/Condensate Meter	6,270.05	121.50
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	4" Steam/Condensate Meter	7,047.74	188.77
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0137	EA	6" Steam/Condensate Meter	12,104.32	238.78
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	8" Steam/Condensate Meter	12,515.05	301.46
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	10" Steam/Condensate Meter	13,070.46	369.79
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	12" Steam/Condensate Meter	13,675.08	449.02
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	14" Steam/Condensate Meter	14,537.79	528.27
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	16" Steam/Condensate Meter	15,038.37	581.10
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,739.95	358.73
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,292.16	368.59
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,392.46	393.26
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,656.62	397.49
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,975.77	432.73
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,499.66	432.73
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,560.00	462.33
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,612.07	483.46
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,659.53	504.61

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,014.54	383.39
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,690.22	393.26
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,787.08	419.34
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,242.29	453.16
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,560.00	463.03
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,683.92	479.24
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,819.51	504.61
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,620.51	537.02

23 22 23 13-0021 40 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,238.31	439.77
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,895.83	475.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,426.73	469.37
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,659.71	479.24
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,751.94	499.68
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,659.53	504.61
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,723.39	537.02
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,432.26	476.42
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,124.09	486.29
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,631.54	489.81
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,814.58	532.80
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,757.56	574.38
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,938.41	481.36
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,102.80	528.58
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,417.78	532.80
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,828.08	580.72
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,473.02	580.72
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,557.10	625.83
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,635.50	653.31
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,790.13	685.73
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,871.12	518.70
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,038.83	566.63
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,476.65	552.53
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,557.10	625.83
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,712.18	649.09
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,548.05	685.73
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,864.13	735.07
23 22 23 13-0053		**40 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,171.33	611.73
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,629.30	639.22
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,726.71	649.09
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,882.55	681.51
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,791.34	685.73
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,893.18	735.07
23 22 23 13-0060		**50 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,372.26	611.73
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,712.52	672.34
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,985.60	730.14
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	10,694.89	790.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 Refrigerant Piping *(23 20)*				
23 23 13 Refrigerant Piping Valves *(23 23)*				
23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	30.90	7.64
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	32.14	7.64
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	43.06	7.64
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	57.65	8.41
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	80.70	9.56
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	131.40	11.77
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	41.08	7.95
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	51.35	8.72
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	105.20	11.93
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	186.85	17.36
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	249.77	21.26
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	304.24	23.94
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	434.61	27.31
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	721.55	76.48
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	946.77	95.61
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	1,346.21	127.50
23 23 13 00-0022		Check Valves *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	51.97	7.65
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	163.72	8.41
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	189.90	9.56
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	255.72	10.18
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	336.61	11.78
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	498.98	13.92
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	698.42	20.43
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	923.84	26.77
23 23 13 00-0031		Solenoid Valves *(23 23 13)*		
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	190.38	7.65
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	195.19	7.65
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	240.21	8.41
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	240.21	8.41
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	338.87	9.56
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	549.45	10.18
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,025.66	11.78
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,036.35	13.92
23 23 16 Refrigerant Piping Specialties *(23 23)*				
23 23 16 00-0001		Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	3.39	2.07
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	3.44	2.07
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	3.50	2.07
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	3.71	2.07
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	3.82	2.15
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	4.34	2.30
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	4.64	2.30
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	5.41	2.68
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	6.42	2.83
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	8.24	3.45
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	11.35	3.98
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	13.18	4.28
23 23 16 00-0014		Type L Drawn, ACR Copper Tubing *(23 23 16)* Note: Nitrogenized.		
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	4.01	2.15
		For Medical Applications "Oxygen Clean", Add	*0.36*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	4.40	2.15
		For Medical Applications "Oxygen Clean", Add	*0.38*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	4.65	2.15
		For Medical Applications "Oxygen Clean", Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	6.74	3.21
		For Medical Applications "Oxygen Clean", Add	*0.58*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.35	3.45
		For Medical Applications "Oxygen Clean", Add	*0.63*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.34	3.45
		For Medical Applications "Oxygen Clean", Add	*0.68*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	10.28	3.98
		For Medical Applications "Oxygen Clean", Add	*0.82*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.33	4.58
		For Medical Applications "Oxygen Clean", Add	*0.96*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	17.16	5.73
		For Medical Applications "Oxygen Clean", Add	*1.29*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	25.76	8.65
		For Medical Applications "Oxygen Clean", Add	*1.94*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	33.13	10.71
		For Medical Applications "Oxygen Clean", Add	*2.46*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	41.40	12.69
		For Medical Applications "Oxygen Clean", Add	*3.02*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	51.00	15.30
		For Medical Applications "Oxygen Clean", Add	*3.70*	

23 23 16 00-0028 Refrigeration Fittings *(23 23 16)*

23 23 16 00-0029 Brass Flare Fittings *(23 23 16 00-0028)*

23 23 16 00-0030 Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0031	EA	3/8" Brass Flare Union	16.64	8.26
23 23 16 00-0032	EA	1/2" Brass Flare Union	16.64	8.26
23 23 16 00-0033	EA	5/8" Brass Flare Union	17.75	8.26

23 23 16 00-0034 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	17.31	8.26
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	17.31	8.26
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	21.02	8.26

23 23 16 00-0038 Brass Flare Tees *(23 23 16 00-0029)*

23 23 16 00-0039	EA	3/8" Brass Flare Tee	26.98	13.76
23 23 16 00-0040	EA	1/2" Brass Flare Tee	28.64	13.76
23 23 16 00-0041	EA	5/8" Brass Flare Tee	37.65	13.76

23 23 16 00-0042 Male Connector, Half Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	13.59	8.26
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	14.70	8.26
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	16.28	8.26

23 23 16 00-0046 Female Connector, Half Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	15.02	8.26
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	16.52	8.26
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	16.52	8.26

23 23 16 00-0050 Long Forged Nuts *(23 23 16 00-0029)*

23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	14.27	8.26
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	14.70	8.26
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	19.52	8.26

23 23 16 00-0054 Short Forged Nuts *(23 23 16 00-0029)*

23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	13.64	8.26
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	14.64	8.26
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	14.85	8.26

23 23 16 00-0058 ACR Wrought Copper Fittings *(23 23 16 00-0028)*

Note: Soldered.

23 23 16 00-0059 ACR Wrought Copper Coupling *(23 23 16 00-0058)*

Note: C x C

23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	13.34	8.26
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	13.16	8.26
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	13.42	8.26
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	13.89	8.65
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	19.51	11.40
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	19.33	11.70
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	25.38	14.53
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	36.17	19.89
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	43.41	23.33
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	56.40	28.29
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	95.98	42.99
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	127.76	56.52
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	198.44	67.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	15.72	8.26
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	15.89	8.26
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	15.72	8.26
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	16.98	8.65
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	24.37	11.40
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	24.72	11.70
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	31.39	14.53
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	39.64	19.89
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	50.32	23.33
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	70.28	28.29
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	120.22	42.99
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	154.88	56.52
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	280.15	67.15
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	18.69	8.26
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	17.12	8.26
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	18.36	8.26
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	18.41	8.65
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	22.61	11.40
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	24.53	11.70
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	33.04	14.53
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	48.12	19.89
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	59.58	23.33
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	107.01	28.29
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	166.72	42.99
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	220.22	56.52
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	463.55	67.15
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	20.85	8.26
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	18.69	8.26
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	17.77	8.26
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	15.18	8.65
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	26.67	11.40
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	21.35	11.70
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	31.37	14.53
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	42.69	19.89
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	50.51	23.33
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	68.26	28.29
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	119.55	42.99
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	161.69	56.52
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	264.58	67.15
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)* Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	27.41	13.76
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	27.79	13.76
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	26.38	13.76
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	28.01	17.36
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	39.06	17.36
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	31.27	17.59
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	50.17	23.33
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	62.88	28.29
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	81.94	33.57
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	116.40	44.74
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	245.88	97.67
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	303.77	107.39
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	524.39	119.32
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)* Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	23.00	8.26
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	26.45	8.26
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	20.71	8.26
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)* Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	21.64	8.26
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	19.66	8.26
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	20.41	8.26
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)* Note: C		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	9.89	5.51
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	9.26	5.51
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	9.87	5.51
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	62.02	7.05
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	84.16	7.75
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	73.51	7.75
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	99.86	8.46
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	173.34	8.46
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	244.21	9.17
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	440.31	9.87
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	37.17	10.57
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	45.07	12.68
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	54.35	15.51
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	59.90	17.62
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	80.47	22.56
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	93.38	27.49
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	142.34	32.42
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	176.35	44.40
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	216.68	54.97
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	320.69	6.34
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	324.99	7.75
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	415.68	7.75
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	416.59	8.46
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	466.09	9.17
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	528.40	9.87
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	618.16	10.57
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	771.78	10.57
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	55.51	6.34
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	70.94	6.34
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	90.39	7.05
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	104.28	7.05
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	114.90	7.05
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	131.19	7.05
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	147.81	7.75
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	212.35	7.75
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	231.98	7.75
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	75.72	6.34
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	85.32	6.34
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	102.16	7.05
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	91.03	6.34
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	113.92	7.05
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	133.21	7.05
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	69.39	6.34
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	76.65	6.34
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	92.26	6.34
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	123.92	7.75
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	161.99	7.75
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	192.62	8.46
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	243.82	9.17
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	439.08	9.87
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	492.96	10.57
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	610.48	10.57
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	143.88	6.34
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	200.24	7.05
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	337.29	7.05
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	400.01	7.75
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	435.25	7.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0204		Electric Expansion Valves *(23 23 16 00-0197)* Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	480.70	8.81
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve Note: Sporlan SEI.	559.97	9.17
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve Note: Sporlan SEI.	639.71	9.52
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve Note: Sporlan SEH.	745.43	9.52
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve Note: Sporlan SEH.	841.36	9.87
23 23 16 00-0210		Braided Stainless Steel Over Copper Vibration Absorber *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	38.24	9.17
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	38.96	10.57
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	50.34	13.39
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	54.55	16.21
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	64.41	19.73
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	74.41	22.56
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	105.85	8.46
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	147.90	9.17
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	184.08	9.17
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	249.79	9.87
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	422.59	10.57
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	552.92	10.57
23 23 16 00-0223		Accumulator, Refrigerant Suction Line *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	122.62	32.06
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	166.30	44.04
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	199.31	58.70
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	278.85	70.48
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	382.88	88.10
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	579.60	117.49
23 23 16 00-0230		Special Chemicals/Component *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	23.91	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	5.46	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	16.32	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	207.16	
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		Refrigerant *(23 23 23)*		
23 23 23 00-0002	LB	R-113 Refrigerant	24.82	
23 23 23 00-0003	LB	R-123 Refrigerant	18.21	
23 23 23 00-0004	LB	R-134A Refrigerant	6.49	
23 23 23 00-0005	LB	R-410A Refrigerant	11.26	
23 25		HVAC Water Treatment *(23 20)*		
23 25 13		**Water Treatment For Closed-Loop Hydronic Systems** *(23 25)*		
23 25 13 00-0001		Polyethylene Chemical Storage Tanks *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	197.09	58.82
23 25 13 00-0003		Bypass Shot Feeders *(23 25 13)* Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0004		In Line Mount, 125 PSIG *(23 25 13 00-0003)*		
23 25 13 00-0005	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	749.88	199.44
23 25 13 00-0006		Floor Mount, 175 PSIG *(23 25 13 00-0003)*		
23 25 13 00-0007	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,093.51	300.23
23 25 13 00-0008	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,439.07	397.49
23 25 13 00-0009		Floor Mount, 150 LB ASME Code *(23 25 13 00-0003)*		
23 25 13 00-0010	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,093.51	300.23
23 25 13 00-0011	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,439.07	397.49
23 25 13 00-0012		Floor Mount, 300 LB ASME Code *(23 25 13 00-0003)*		
23 25 13 00-0013	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,478.22	300.23
23 25 13 00-0014	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,838.54	397.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0015		Gas Chlorinator *(23 25 13)*		
23 25 13 00-0016	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	885.38	267.58
		For Booster Pump, Add	*316.58*	
23 25 13 00-0017	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,011.28	305.81
		For Booster Pump, Add	*361.83*	
23 25 13 00-0018	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,468.15	231.65
		For Booster Pump, Add	*455.75*	

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts And Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0393 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB	2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	7.92	2.06
		For Polyvinyl Chloride (PVC) Coated, Add	*0.32*	
		For Up To 200, Add	*2.85*	
		For >200 To 500, Add	*1.82*	
		For >500 To 1,000, Add	*1.22*	
		For >1,000 To 2,000, Add	*0.68*	
		For >2,000 To 5,000, Add	*0.30*	
		For Work In Restricted Working Space, Add	*1.90*	
		For Elevated Installation >10' To 15', Add	*0.38*	
		For Elevated Installation >15' To 20', Add	*0.76*	
		For Elevated Installation >20' To 25', Add	*0.95*	
		For Elevated Installation >25' To 30', Add	*1.33*	
		For Elevated Installation >30' To 35', Add	*1.52*	
		For Elevated Installation >35' To 40', Add	*1.90*	
		For Elevated Installation >40', Add	*2.09*	
23 31 13 13-0004	LB	3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	8.87	2.06
		For Polyvinyl Chloride (PVC) Coated, Add	*0.32*	
		For Up To 200, Add	*3.14*	
		For >200 To 500, Add	*1.99*	
		For >500 To 1,000, Add	*1.35*	
		For >1,000 To 2,000, Add	*0.76*	
		For >2,000 To 5,000, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.87*	
		For Elevated Installation >20' To 25', Add	*1.09*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.18*	
		For Elevated Installation >40', Add	*2.40*	
23 31 13 13-0005	LB	4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	10.47	2.06
		For Polyvinyl Chloride (PVC) Coated, Add	*0.32*	
		For Up To 200, Add	*3.62*	
		For >200 To 500, Add	*2.28*	
		For >500 To 1,000, Add	*1.58*	
		For >1,000 To 2,000, Add	*0.89*	
		For >2,000 To 5,000, Add	*0.40*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15', Add	*0.53*	
		For Elevated Installation >15' To 20', Add	*1.07*	
		For Elevated Installation >20' To 25', Add	*1.33*	
		For Elevated Installation >25' To 30', Add	*1.86*	
		For Elevated Installation >30' To 35', Add	*2.13*	
		For Elevated Installation >35' To 40', Add	*2.66*	
		For Elevated Installation >40', Add	*2.93*	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge – 0.901 LB/SF; 12 gauge – 0.141 LB/SF

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0007	LB	2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	15.43	2.06
		For Work In Restricted Working Space, Add	*3.76*	
		For Up To 200, Add	*5.50*	
		For >200 To 500, Add	*3.50*	
		For >500 To 1,000, Add	*2.36*	
		For >1,000 To 2,000, Add	*1.32*	
		For >2,000 To 5,000, Add	*0.59*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.50*	
		For Elevated Installation >20' To 25', Add	*1.88*	
		For Elevated Installation >25' To 30', Add	*2.63*	
		For Elevated Installation >30' To 35', Add	*3.01*	
		For Elevated Installation >35' To 40', Add	*3.76*	
		For Elevated Installation >40', Add	*4.13*	
23 31 13 13-0008	LB	3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	17.30	2.06
		For Work In Restricted Working Space, Add	*4.32*	
		For Up To 200, Add	*6.06*	
		For >200 To 500, Add	*3.84*	
		For >500 To 1,000, Add	*2.63*	
		For >1,000 To 2,000, Add	*1.47*	
		For >2,000 To 5,000, Add	*0.66*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.73*	
		For Elevated Installation >20' To 25', Add	*2.16*	
		For Elevated Installation >25' To 30', Add	*3.02*	
		For Elevated Installation >30' To 35', Add	*3.46*	
		For Elevated Installation >35' To 40', Add	*4.32*	
		For Elevated Installation >40', Add	*4.75*	
23 31 13 13-0009	LB	4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	20.43	2.06
		For Work In Restricted Working Space, Add	*5.26*	
		For Up To 200, Add	*7.00*	
		For >200 To 500, Add	*4.40*	
		For >500 To 1,000, Add	*3.06*	
		For >1,000 To 2,000, Add	*1.72*	
		For >2,000 To 5,000, Add	*0.79*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.63*	
		For Elevated Installation >25' To 30', Add	*3.68*	
		For Elevated Installation >30' To 35', Add	*4.21*	
		For Elevated Installation >35' To 40', Add	*5.26*	
		For Elevated Installation >40', Add	*5.78*	

23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge – 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge – 3.154 LB/SF; 12 gauge – 4.427 LB/SF

23 31 13 13-0011	LB	2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork	11.41	2.74
		For Work In Restricted Working Space, Add	*2.31*	
		For Welded Seams, Add	*4.04*	
		For Up To 200, Add	*4.54*	
		For >200 To 500, Add	*2.98*	
		For >500 To 1,000, Add	*1.86*	
		For >1,000 To 2,000, Add	*1.02*	
		For >2,000 To 5,000, Add	*0.42*	
		For Elevated Installation >10' To 15', Add	*0.46*	
		For Elevated Installation >15' To 20', Add	*0.92*	
		For Elevated Installation >20' To 25', Add	*1.16*	
		For Elevated Installation >25' To 30', Add	*1.62*	
		For Elevated Installation >30' To 35', Add	*1.85*	
		For Elevated Installation >35' To 40', Add	*2.31*	
		For Elevated Installation >40', Add	*2.54*	
23 31 13 13-0012	LB	3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork	12.99	2.74
		For Work In Restricted Working Space, Add	*2.78*	
		For Welded Seams, Add	*4.83*	
		For Up To 200, Add	*5.01*	
		For >200 To 500, Add	*3.27*	
		For >500 To 1,000, Add	*2.08*	
		For >1,000 To 2,000, Add	*1.15*	
		For >2,000 To 5,000, Add	*0.48*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.11*	
		For Elevated Installation >20' To 25', Add	*1.39*	
		For Elevated Installation >25' To 30', Add	*1.95*	
		For Elevated Installation >30' To 35', Add	*2.23*	
		For Elevated Installation >35' To 40', Add	*2.78*	
		For Elevated Installation >40', Add	*3.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0013	LB	4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork	14.48	2.74
		For Work In Restricted Working Space, Add	*3.23*	
		For Welded Seams, Add	*5.57*	
		For Up To 200, Add	*5.46*	
		For >200 To 500, Add	*3.53*	
		For >500 To 1,000, Add	*2.29*	
		For >1,000 To 2,000, Add	*1.27*	
		For >2,000 To 5,000, Add	*0.54*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.29*	
		For Elevated Installation >20' To 25', Add	*1.62*	
		For Elevated Installation >25' To 30', Add	*2.26*	
		For Elevated Installation >30' To 35', Add	*2.58*	
		For Elevated Installation >35' To 40', Add	*3.23*	
		For Elevated Installation >40', Add	*3.55*	

23 31 13 16 Round And Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	4.05	1.62
		For 3" WG (Class B), Add	*0.50*	
		For 4" Or 6" WG (Class A), Add	*1.33*	
		For 28 Gauge, Deduct	*-0.10*	
		For 24 Gauge, Add	*0.10*	
		For 22 Gauge, Add	*0.20*	
		For 20 Gauge, Add	*0.30*	
		For 18 Gauge, Add	*0.40*	
		For 16 Gauge, Add	*0.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.53*	
		For Work In Restricted Working Space, Add	*1.00*	
		For Elevated Installation >10' To 15', Add	*0.33*	
		For Elevated Installation >15' To 20', Add	*0.67*	
		For Elevated Installation >20' To 25', Add	*0.83*	
		For Elevated Installation >25' To 30', Add	*1.17*	
		For Elevated Installation >30' To 35', Add	*1.33*	
		For Elevated Installation >35' To 40', Add	*1.67*	
		For Elevated Installation >40', Add	*1.83*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	4.63	1.84
		For 3" WG (Class B), Add	*0.56*	
		For 4" Or 6" WG (Class A), Add	*1.48*	
		For 28 Gauge, Deduct	*-0.13*	
		For 24 Gauge, Add	*0.13*	
		For 22 Gauge, Add	*0.26*	
		For 20 Gauge, Add	*0.39*	
		For 18 Gauge, Add	*0.51*	
		For 16 Gauge, Add	*0.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.11*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.74*	
		For Elevated Installation >20' To 25', Add	*0.93*	
		For Elevated Installation >25' To 30', Add	*1.30*	
		For Elevated Installation >30' To 35', Add	*1.48*	
		For Elevated Installation >35' To 40', Add	*1.85*	
		For Elevated Installation >40', Add	*2.04*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	5.22	2.22
		For 3" WG (Class B), Add	*0.62*	
		For 4" Or 6" WG (Class A), Add	*1.66*	
		For 28 Gauge, Deduct	*-0.15*	
		For 24 Gauge, Add	*0.15*	
		For 22 Gauge, Add	*0.29*	
		For 20 Gauge, Add	*0.44*	
		For 18 Gauge, Add	*0.58*	
		For 16 Gauge, Add	*0.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.78*	
		For Work In Restricted Working Space, Add	*1.25*	
		For Elevated Installation >10' To 15', Add	*0.42*	
		For Elevated Installation >15' To 20', Add	*0.83*	
		For Elevated Installation >20' To 25', Add	*1.04*	
		For Elevated Installation >25' To 30', Add	*1.46*	
		For Elevated Installation >30' To 35', Add	*1.66*	
		For Elevated Installation >35' To 40', Add	*2.08*	
		For Elevated Installation >40', Add	*2.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	6.01	2.59
		For 3" WG (Class B), Add	*0.71*	
		For 4" Or 6" WG (Class A), Add	*1.90*	
		For 28 Gauge, Deduct	*-0.17*	
		For 24 Gauge, Add	*0.17*	
		For 22 Gauge, Add	*0.34*	
		For 20 Gauge, Add	*0.52*	
		For 18 Gauge, Add	*0.69*	
		For 16 Gauge, Add	*0.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.43*	
		For Elevated Installation >10' To 15', Add	*0.48*	
		For Elevated Installation >15' To 20', Add	*0.95*	
		For Elevated Installation >20' To 25', Add	*1.19*	
		For Elevated Installation >25' To 30', Add	*1.67*	
		For Elevated Installation >30' To 35', Add	*1.90*	
		For Elevated Installation >35' To 40', Add	*2.38*	
		For Elevated Installation >40', Add	*2.62*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	6.93	2.95
		For 3" WG (Class B), Add	*0.83*	
		For 4" Or 6" WG (Class A), Add	*2.22*	
		For 28 Gauge, Deduct	*-0.19*	
		For 24 Gauge, Add	*0.19*	
		For 22 Gauge, Add	*0.38*	
		For 20 Gauge, Add	*0.58*	
		For 18 Gauge, Add	*0.76*	
		For 16 Gauge, Add	*0.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.03*	
		For Work In Restricted Working Space, Add	*1.66*	
		For Elevated Installation >10' To 15', Add	*0.55*	
		For Elevated Installation >15' To 20', Add	*1.11*	
		For Elevated Installation >20' To 25', Add	*1.39*	
		For Elevated Installation >25' To 30', Add	*1.94*	
		For Elevated Installation >30' To 35', Add	*2.22*	
		For Elevated Installation >35' To 40', Add	*2.77*	
		For Elevated Installation >40', Add	*3.05*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	8.36	3.70
		For 3" WG (Class B), Add	*1.00*	
		For 4" Or 6" WG (Class A), Add	*2.66*	
		For 28 Gauge, Deduct	*-0.24*	
		For 24 Gauge, Add	*0.24*	
		For 22 Gauge, Add	*0.47*	
		For 20 Gauge, Add	*0.71*	
		For 18 Gauge, Add	*0.94*	
		For 16 Gauge, Add	*1.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.27*	
		For Work In Restricted Working Space, Add	*2.00*	
		For Elevated Installation >10' To 15', Add	*0.67*	
		For Elevated Installation >15' To 20', Add	*1.33*	
		For Elevated Installation >20' To 25', Add	*1.66*	
		For Elevated Installation >25' To 30', Add	*2.33*	
		For Elevated Installation >30' To 35', Add	*2.66*	
		For Elevated Installation >35' To 40', Add	*3.33*	
		For Elevated Installation >40', Add	*3.66*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	10.41	4.95
		For 3" WG (Class B), Add	*1.25*	
		For 4" Or 6" WG (Class A), Add	*3.32*	
		For 28 Gauge, Deduct	*-0.29*	
		For 24 Gauge, Add	*0.29*	
		For 22 Gauge, Add	*0.58*	
		For 20 Gauge, Add	*0.87*	
		For 18 Gauge, Add	*1.16*	
		For 16 Gauge, Add	*1.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.55*	
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.91*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.16*	
		For Elevated Installation >40', Add	*4.57*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	12.84	7.40
		For 3" WG (Class B), Add	*1.56*	
		For 4" Or 6" WG (Class A), Add	*4.16*	
		For 28 Gauge, Deduct	*-0.34*	
		For 24 Gauge, Add	*0.34*	
		For 22 Gauge, Add	*0.67*	
		For 20 Gauge, Add	*1.01*	
		For 18 Gauge, Add	*1.34*	
		For 16 Gauge, Add	*1.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.81*	
		For Work In Restricted Working Space, Add	*3.12*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.08*	
		For Elevated Installation >20' To 25', Add	*2.60*	
		For Elevated Installation >25' To 30', Add	*3.64*	
		For Elevated Installation >30' To 35', Add	*4.16*	
		For Elevated Installation >35' To 40', Add	*5.20*	
		For Elevated Installation >40', Add	*5.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	17.48	9.91
		For 3" WG (Class B), Add	*2.08*	
		For 4" Or 6" WG (Class A), Add	*5.54*	
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*1.00*	
		For 20 Gauge, Add	*1.50*	
		For 18 Gauge, Add	*1.99*	
		For 16 Gauge, Add	*2.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.68*	
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.54*	
		For Elevated Installation >35' To 40', Add	*6.93*	
		For Elevated Installation >40', Add	*7.62*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	20.65	11.90
		For 28 Gauge, Deduct	*-0.56*	
		For 24 Gauge, Add	*0.55*	
		For 22 Gauge, Add	*1.11*	
		For 20 Gauge, Add	*1.66*	
		For 18 Gauge, Add	*2.21*	
		For 16 Gauge, Add	*2.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.97*	
		For Work In Restricted Working Space, Add	*4.99*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.16*	
		For Elevated Installation >25' To 30', Add	*5.82*	
		For Elevated Installation >30' To 35', Add	*6.65*	
		For Elevated Installation >35' To 40', Add	*8.32*	
		For Elevated Installation >40', Add	*9.15*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	23.70	13.75
		For 28 Gauge, Deduct	*-0.62*	
		For 24 Gauge, Add	*0.62*	
		For 22 Gauge, Add	*1.23*	
		For 20 Gauge, Add	*1.85*	
		For 18 Gauge, Add	*2.46*	
		For 16 Gauge, Add	*3.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.32*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.84*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.69*	
		For Elevated Installation >35' To 40', Add	*9.61*	
		For Elevated Installation >40', Add	*10.57*	

23 31 13 16-0014 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	23.14	9.87
		For 3" WG (Class B), Add	*2.96*	
		For 4" Or 6" WG (Class A), Add	*7.89*	
		For 28 Gauge, Deduct	*-0.47*	
		For 24 Gauge, Add	*0.47*	
		For 22 Gauge, Add	*0.94*	
		For 20 Gauge, Add	*1.41*	
		For 18 Gauge, Add	*1.88*	
		For 16 Gauge, Add	*2.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.52*	
		For Work In Restricted Working Space, Add	*5.92*	
		For Elevated Installation >10' To 15', Add	*1.97*	
		For Elevated Installation >15' To 20', Add	*3.95*	
		For Elevated Installation >20' To 25', Add	*4.93*	
		For Elevated Installation >25' To 30', Add	*6.91*	
		For Elevated Installation >30' To 35', Add	*7.89*	
		For Elevated Installation >35' To 40', Add	*9.87*	
		For Elevated Installation >40', Add	*10.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	26.48	11.39
		For 3" WG (Class B), Add	*3.42*	
		For 4" Or 6" WG (Class A), Add	*9.11*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.04*	
		For 16 Gauge, Add	*2.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.55*	
		For Elevated Installation >20' To 25', Add	*5.69*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.52*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	31.08	13.45
		For 3" WG (Class B), Add	*4.04*	
		For 4" Or 6" WG (Class A), Add	*10.76*	
		For 28 Gauge, Deduct	*-0.58*	
		For 24 Gauge, Add	*0.58*	
		For 22 Gauge, Add	*1.15*	
		For 20 Gauge, Add	*1.73*	
		For 18 Gauge, Add	*2.29*	
		For 16 Gauge, Add	*2.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.09*	
		For Work In Restricted Working Space, Add	*8.07*	
		For Elevated Installation >10' To 15', Add	*2.69*	
		For Elevated Installation >15' To 20', Add	*5.38*	
		For Elevated Installation >20' To 25', Add	*6.73*	
		For Elevated Installation >25' To 30', Add	*9.42*	
		For Elevated Installation >30' To 35', Add	*10.76*	
		For Elevated Installation >35' To 40', Add	*13.46*	
		For Elevated Installation >40', Add	*14.80*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	39.73	17.29
		For 3" WG (Class B), Add	*5.19*	
		For 4" Or 6" WG (Class A), Add	*13.84*	
		For 28 Gauge, Deduct	*-0.71*	
		For 24 Gauge, Add	*0.71*	
		For 22 Gauge, Add	*1.41*	
		For 20 Gauge, Add	*2.12*	
		For 18 Gauge, Add	*2.82*	
		For 16 Gauge, Add	*3.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.80*	
		For Work In Restricted Working Space, Add	*10.38*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.92*	
		For Elevated Installation >20' To 25', Add	*8.65*	
		For Elevated Installation >25' To 30', Add	*12.11*	
		For Elevated Installation >30' To 35', Add	*13.84*	
		For Elevated Installation >35' To 40', Add	*17.30*	
		For Elevated Installation >40', Add	*19.03*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	47.68	21.06
		For 3" WG (Class B), Add	*6.32*	
		For 4" Or 6" WG (Class A), Add	*16.86*	
		For 28 Gauge, Deduct	*-0.77*	
		For 24 Gauge, Add	*0.76*	
		For 22 Gauge, Add	*1.53*	
		For 20 Gauge, Add	*2.29*	
		For 18 Gauge, Add	*3.05*	
		For 16 Gauge, Add	*3.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.10*	
		For Work In Restricted Working Space, Add	*12.64*	
		For Elevated Installation >10' To 15', Add	*4.21*	
		For Elevated Installation >15' To 20', Add	*8.43*	
		For Elevated Installation >20' To 25', Add	*10.54*	
		For Elevated Installation >25' To 30', Add	*14.75*	
		For Elevated Installation >30' To 35', Add	*16.86*	
		For Elevated Installation >35' To 40', Add	*21.07*	
		For Elevated Installation >40', Add	*23.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	73.10	32.90
		For 3" WG (Class B), Add	*9.87*	
		For 4" Or 6" WG (Class A), Add	*26.32*	
		For 28 Gauge, Deduct	*-1.01*	
		For 24 Gauge, Add	*1.01*	
		For 22 Gauge, Add	*2.01*	
		For 20 Gauge, Add	*3.03*	
		For 18 Gauge, Add	*4.02*	
		For 16 Gauge, Add	*4.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.41*	
		For Work In Restricted Working Space, Add	*19.74*	
		For Elevated Installation >10' To 15', Add	*6.58*	
		For Elevated Installation >15' To 20', Add	*13.16*	
		For Elevated Installation >20' To 25', Add	*16.45*	
		For Elevated Installation >25' To 30', Add	*23.03*	
		For Elevated Installation >30' To 35', Add	*26.32*	
		For Elevated Installation >35' To 40', Add	*32.90*	
		For Elevated Installation >40', Add	*36.18*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	100.84	45.46
		For 3" WG (Class B), Add	*13.64*	
		For 4" Or 6" WG (Class A), Add	*36.37*	
		For 28 Gauge, Deduct	*-1.37*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.73*	
		For 20 Gauge, Add	*4.10*	
		For 18 Gauge, Add	*5.45*	
		For 16 Gauge, Add	*6.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.33*	
		For Work In Restricted Working Space, Add	*27.28*	
		For Elevated Installation >10' To 15', Add	*9.09*	
		For Elevated Installation >15' To 20', Add	*18.19*	
		For Elevated Installation >20' To 25', Add	*22.73*	
		For Elevated Installation >25' To 30', Add	*31.83*	
		For Elevated Installation >30' To 35', Add	*36.37*	
		For Elevated Installation >35' To 40', Add	*45.47*	
		For Elevated Installation >40', Add	*50.01*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	122.74	53.78
		For 3" WG (Class B), Add	*16.13*	
		For 4" Or 6" WG (Class A), Add	*43.02*	
		For 28 Gauge, Deduct	*-2.10*	
		For 24 Gauge, Add	*2.09*	
		For 22 Gauge, Add	*4.18*	
		For 20 Gauge, Add	*6.28*	
		For 18 Gauge, Add	*8.35*	
		For 16 Gauge, Add	*10.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.23*	
		For Work In Restricted Working Space, Add	*32.27*	
		For Elevated Installation >10' To 15', Add	*10.76*	
		For Elevated Installation >15' To 20', Add	*21.51*	
		For Elevated Installation >20' To 25', Add	*26.89*	
		For Elevated Installation >25' To 30', Add	*37.65*	
		For Elevated Installation >30' To 35', Add	*43.02*	
		For Elevated Installation >35' To 40', Add	*53.78*	
		For Elevated Installation >40', Add	*59.16*	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	140.04	59.14
		For 3" WG (Class B), Add	*17.74*	
		For 4" Or 6" WG (Class A), Add	*47.31*	
		For 28 Gauge, Deduct	*-3.01*	
		For 24 Gauge, Add	*3.00*	
		For 22 Gauge, Add	*5.99*	
		For 20 Gauge, Add	*9.01*	
		For 18 Gauge, Add	*11.97*	
		For 16 Gauge, Add	*14.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.10*	
		For Work In Restricted Working Space, Add	*35.48*	
		For Elevated Installation >10' To 15', Add	*11.83*	
		For Elevated Installation >15' To 20', Add	*23.66*	
		For Elevated Installation >20' To 25', Add	*29.57*	
		For Elevated Installation >25' To 30', Add	*41.40*	
		For Elevated Installation >30' To 35', Add	*47.31*	
		For Elevated Installation >35' To 40', Add	*59.14*	
		For Elevated Installation >40', Add	*65.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	155.66	61.54
		For 3" WG (Class B), Add	*18.46*	
		For 4" Or 6" WG (Class A), Add	*49.23*	
		For 28 Gauge, Deduct	*-4.51*	
		For 24 Gauge, Add	*4.50*	
		For 22 Gauge, Add	*8.98*	
		For 20 Gauge, Add	*13.49*	
		For 18 Gauge, Add	*17.92*	
		For 16 Gauge, Add	*21.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.11*	
		For Work In Restricted Working Space, Add	*36.92*	
		For Elevated Installation >10' To 15', Add	*12.31*	
		For Elevated Installation >15' To 20', Add	*24.62*	
		For Elevated Installation >20' To 25', Add	*30.77*	
		For Elevated Installation >25' To 30', Add	*43.08*	
		For Elevated Installation >30' To 35', Add	*49.23*	
		For Elevated Installation >35' To 40', Add	*61.54*	
		For Elevated Installation >40', Add	*67.69*	
		For 10" WG (Class A), Add	*56.62*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	170.59	63.57
		For 3" WG (Class B), Add	*19.07*	
		For 4" Or 6" WG (Class A), Add	*50.86*	
		For 28 Gauge, Deduct	*-6.02*	
		For 24 Gauge, Add	*5.99*	
		For 22 Gauge, Add	*11.97*	
		For 20 Gauge, Add	*17.98*	
		For 18 Gauge, Add	*23.89*	
		For 16 Gauge, Add	*29.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.15*	
		For Work In Restricted Working Space, Add	*38.15*	
		For Elevated Installation >10' To 15', Add	*12.72*	
		For Elevated Installation >15' To 20', Add	*25.43*	
		For Elevated Installation >20' To 25', Add	*31.79*	
		For Elevated Installation >25' To 30', Add	*44.50*	
		For Elevated Installation >30' To 35', Add	*50.86*	
		For Elevated Installation >35' To 40', Add	*63.58*	
		For Elevated Installation >40', Add	*69.93*	
		For 10" WG (Class A), Add	*58.49*	

23 31 13 16-0026 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	19.50	6.65
		For 3" WG (Class B), Add	*2.49*	
		For 4" Or 6" WG (Class A), Add	*6.65*	
		For 28 Gauge, Deduct	*-0.40*	
		For 24 Gauge, Add	*0.40*	
		For 22 Gauge, Add	*0.79*	
		For 20 Gauge, Add	*1.19*	
		For 18 Gauge, Add	*1.58*	
		For 16 Gauge, Add	*1.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.99*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.16*	
		For Elevated Installation >25' To 30', Add	*5.82*	
		For Elevated Installation >30' To 35', Add	*6.65*	
		For Elevated Installation >35' To 40', Add	*8.32*	
		For Elevated Installation >40', Add	*9.15*	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	22.28	7.62
		For 3" WG (Class B), Add	*2.85*	
		For 4" Or 6" WG (Class A), Add	*7.60*	
		For 28 Gauge, Deduct	*-0.45*	
		For 24 Gauge, Add	*0.45*	
		For 22 Gauge, Add	*0.90*	
		For 20 Gauge, Add	*1.35*	
		For 18 Gauge, Add	*1.80*	
		For 16 Gauge, Add	*2.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.42*	
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.51*	
		For Elevated Installation >40', Add	*10.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	25.90	8.87
		For 3" WG (Class B), Add	*3.33*	
		For 4" Or 6" WG (Class A), Add	*8.87*	
		For 28 Gauge, Deduct	*-0.52*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.05*	
		For 16 Gauge, Add	*2.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.76*	
		For Elevated Installation >30' To 35', Add	*8.87*	
		For Elevated Installation >35' To 40', Add	*11.09*	
		For Elevated Installation >40', Add	*12.20*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	30.56	10.64
		For 3" WG (Class B), Add	*3.99*	
		For 4" Or 6" WG (Class A), Add	*10.65*	
		For 28 Gauge, Deduct	*-0.55*	
		For 24 Gauge, Add	*0.54*	
		For 22 Gauge, Add	*1.09*	
		For 20 Gauge, Add	*1.63*	
		For 18 Gauge, Add	*2.17*	
		For 16 Gauge, Add	*2.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.92*	
		For Work In Restricted Working Space, Add	*7.99*	
		For Elevated Installation >10' To 15', Add	*2.66*	
		For Elevated Installation >15' To 20', Add	*5.32*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.32*	
		For Elevated Installation >30' To 35', Add	*10.65*	
		For Elevated Installation >35' To 40', Add	*13.31*	
		For Elevated Installation >40', Add	*14.64*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	37.85	13.30
		For 3" WG (Class B), Add	*4.99*	
		For 4" Or 6" WG (Class A), Add	*13.31*	
		For 28 Gauge, Deduct	*-0.63*	
		For 24 Gauge, Add	*0.63*	
		For 22 Gauge, Add	*1.26*	
		For 20 Gauge, Add	*1.90*	
		For 18 Gauge, Add	*2.52*	
		For 16 Gauge, Add	*3.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.39*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Elevated Installation >10' To 15', Add	*3.33*	
		For Elevated Installation >15' To 20', Add	*6.65*	
		For Elevated Installation >20' To 25', Add	*8.32*	
		For Elevated Installation >25' To 30', Add	*11.64*	
		For Elevated Installation >30' To 35', Add	*13.31*	
		For Elevated Installation >35' To 40', Add	*16.64*	
		For Elevated Installation >40', Add	*18.30*	
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	50.89	17.74
		For 3" WG (Class B), Add	*6.65*	
		For 4" Or 6" WG (Class A), Add	*17.74*	
		For 28 Gauge, Deduct	*-0.91*	
		For 24 Gauge, Add	*0.90*	
		For 22 Gauge, Add	*1.80*	
		For 20 Gauge, Add	*2.71*	
		For 18 Gauge, Add	*3.60*	
		For 16 Gauge, Add	*4.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.84*	
		For Work In Restricted Working Space, Add	*13.31*	
		For Elevated Installation >10' To 15', Add	*4.44*	
		For Elevated Installation >15' To 20', Add	*8.87*	
		For Elevated Installation >20' To 25', Add	*11.09*	
		For Elevated Installation >25' To 30', Add	*15.52*	
		For Elevated Installation >30' To 35', Add	*17.74*	
		For Elevated Installation >35' To 40', Add	*22.18*	
		For Elevated Installation >40', Add	*24.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	75.19	26.62
		For 3" WG (Class B), Add	*9.98*	
		For 4" Or 6" WG (Class A), Add	*26.62*	
		For 28 Gauge, Deduct	*-1.20*	
		For 24 Gauge, Add	*1.19*	
		For 22 Gauge, Add	*2.38*	
		For 20 Gauge, Add	*3.58*	
		For 18 Gauge, Add	*4.76*	
		For 16 Gauge, Add	*5.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.40*	
		For Work In Restricted Working Space, Add	*19.96*	
		For Elevated Installation >10' To 15', Add	*6.65*	
		For Elevated Installation >15' To 20', Add	*13.31*	
		For Elevated Installation >20' To 25', Add	*16.64*	
		For Elevated Installation >25' To 30', Add	*23.29*	
		For Elevated Installation >30' To 35', Add	*26.62*	
		For Elevated Installation >35' To 40', Add	*33.27*	
		For Elevated Installation >40', Add	*36.60*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	101.20	34.00
		For 3" WG (Class B), Add	*12.75*	
		For 4" Or 6" WG (Class A), Add	*34.00*	
		For 28 Gauge, Deduct	*-2.24*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*4.46*	
		For 20 Gauge, Add	*6.70*	
		For 18 Gauge, Add	*8.90*	
		For 16 Gauge, Add	*10.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.98*	
		For Work In Restricted Working Space, Add	*25.50*	
		For Elevated Installation >10' To 15', Add	*8.50*	
		For Elevated Installation >15' To 20', Add	*17.00*	
		For Elevated Installation >20' To 25', Add	*21.25*	
		For Elevated Installation >25' To 30', Add	*29.75*	
		For Elevated Installation >30' To 35', Add	*34.00*	
		For Elevated Installation >35' To 40', Add	*42.51*	
		For Elevated Installation >40', Add	*46.76*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	127.00	42.87
		For 3" WG (Class B), Add	*16.08*	
		For 4" Or 6" WG (Class A), Add	*42.88*	
		For 28 Gauge, Deduct	*-2.74*	
		For 24 Gauge, Add	*2.73*	
		For 22 Gauge, Add	*5.46*	
		For 20 Gauge, Add	*8.20*	
		For 18 Gauge, Add	*10.90*	
		For 16 Gauge, Add	*13.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.66*	
		For Work In Restricted Working Space, Add	*32.16*	
		For Elevated Installation >10' To 15', Add	*10.72*	
		For Elevated Installation >15' To 20', Add	*21.44*	
		For Elevated Installation >20' To 25', Add	*26.80*	
		For Elevated Installation >25' To 30', Add	*37.52*	
		For Elevated Installation >30' To 35', Add	*42.88*	
		For Elevated Installation >35' To 40', Add	*53.60*	
		For Elevated Installation >40', Add	*58.95*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	142.40	44.73
		For 3" WG (Class B), Add	*16.74*	
		For 4" Or 6" WG (Class A), Add	*44.65*	
		For 28 Gauge, Deduct	*-4.26*	
		For 24 Gauge, Add	*4.25*	
		For 22 Gauge, Add	*8.48*	
		For 20 Gauge, Add	*12.74*	
		For 18 Gauge, Add	*16.92*	
		For 16 Gauge, Add	*20.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.77*	
		For Work In Restricted Working Space, Add	*33.49*	
		For Elevated Installation >10' To 15', Add	*11.16*	
		For Elevated Installation >15' To 20', Add	*22.33*	
		For Elevated Installation >20' To 25', Add	*27.91*	
		For Elevated Installation >25' To 30', Add	*39.07*	
		For Elevated Installation >30' To 35', Add	*44.65*	
		For Elevated Installation >35' To 40', Add	*55.82*	
		For Elevated Installation >40', Add	*61.40*	
		For 10" WG (Class A), Add	*51.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	155.61	45.84
		For 3" WG (Class B), Add	*17.19*	
		For 4" Or 6" WG (Class A), Add	*45.83*	
		For 28 Gauge, Deduct	*-5.68*	
		For 24 Gauge, Add	*5.66*	
		For 22 Gauge, Add	*11.30*	
		For 20 Gauge, Add	*16.99*	
		For 18 Gauge, Add	*22.57*	
		For 16 Gauge, Add	*27.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.36*	
		For Work In Restricted Working Space, Add	*34.37*	
		For Elevated Installation >10' To 15', Add	*11.46*	
		For Elevated Installation >15' To 20', Add	*22.92*	
		For Elevated Installation >20' To 25', Add	*28.65*	
		For Elevated Installation >25' To 30', Add	*40.10*	
		For Elevated Installation >30' To 35', Add	*45.83*	
		For Elevated Installation >35' To 40', Add	*57.29*	
		For Elevated Installation >40', Add	*63.02*	
		For 10" WG (Class A), Add	*52.71*	

23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	18.43	6.65
		For 3" WG (Class B), Add	*2.49*	
		For 4" Or 6" WG (Class A), Add	*6.65*	
		For 28 Gauge, Deduct	*-0.25*	
		For 24 Gauge, Add	*0.25*	
		For 22 Gauge, Add	*0.50*	
		For 20 Gauge, Add	*0.75*	
		For 18 Gauge, Add	*0.99*	
		For 16 Gauge, Add	*1.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.33*	
		For Work In Restricted Working Space, Add	*4.99*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.16*	
		For Elevated Installation >25' To 30', Add	*5.82*	
		For Elevated Installation >30' To 35', Add	*6.65*	
		For Elevated Installation >35' To 40', Add	*8.32*	
		For Elevated Installation >40', Add	*9.15*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	21.32	7.62
		For 3" WG (Class B), Add	*2.85*	
		For 4" Or 6" WG (Class A), Add	*7.60*	
		For 28 Gauge, Deduct	*-0.32*	
		For 24 Gauge, Add	*0.32*	
		For 22 Gauge, Add	*0.64*	
		For 20 Gauge, Add	*0.96*	
		For 18 Gauge, Add	*1.27*	
		For 16 Gauge, Add	*1.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.71*	
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.51*	
		For Elevated Installation >40', Add	*10.46*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	24.70	8.87
		For 3" WG (Class B), Add	*3.33*	
		For 4" Or 6" WG (Class A), Add	*8.87*	
		For 28 Gauge, Deduct	*-0.35*	
		For 24 Gauge, Add	*0.35*	
		For 22 Gauge, Add	*0.69*	
		For 20 Gauge, Add	*1.04*	
		For 18 Gauge, Add	*1.39*	
		For 16 Gauge, Add	*1.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.86*	
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.76*	
		For Elevated Installation >30' To 35', Add	*8.87*	
		For Elevated Installation >35' To 40', Add	*11.09*	
		For Elevated Installation >40', Add	*12.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	29.55	10.64
		For 3" WG (Class B), Add	*3.99*	
		For 4" Or 6" WG (Class A), Add	*10.65*	
		For 28 Gauge, Deduct	*-0.41*	
		For 24 Gauge, Add	*0.40*	
		For 22 Gauge, Add	*0.81*	
		For 20 Gauge, Add	*1.21*	
		For 18 Gauge, Add	*1.61*	
		For 16 Gauge, Add	*1.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.17*	
		For Work In Restricted Working Space, Add	*7.99*	
		For Elevated Installation >10' To 15', Add	*2.66*	
		For Elevated Installation >15' To 20', Add	*5.32*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.32*	
		For Elevated Installation >30' To 35', Add	*10.65*	
		For Elevated Installation >35' To 40', Add	*13.31*	
		For Elevated Installation >40', Add	*14.64*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	36.60	13.30
		For 3" WG (Class B), Add	*4.99*	
		For 4" Or 6" WG (Class A), Add	*13.31*	
		For 28 Gauge, Deduct	*-0.46*	
		For 24 Gauge, Add	*0.46*	
		For 22 Gauge, Add	*0.92*	
		For 20 Gauge, Add	*1.38*	
		For 18 Gauge, Add	*1.83*	
		For 16 Gauge, Add	*2.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.46*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Elevated Installation >10' To 15', Add	*3.33*	
		For Elevated Installation >15' To 20', Add	*6.65*	
		For Elevated Installation >20' To 25', Add	*8.32*	
		For Elevated Installation >25' To 30', Add	*11.64*	
		For Elevated Installation >30' To 35', Add	*13.31*	
		For Elevated Installation >35' To 40', Add	*16.64*	
		For Elevated Installation >40', Add	*18.30*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	49.43	17.74
		For 3" WG (Class B), Add	*6.65*	
		For 4" Or 6" WG (Class A), Add	*17.74*	
		For 28 Gauge, Deduct	*-0.70*	
		For 24 Gauge, Add	*0.70*	
		For 22 Gauge, Add	*1.40*	
		For 20 Gauge, Add	*2.10*	
		For 18 Gauge, Add	*2.79*	
		For 16 Gauge, Add	*3.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.76*	
		For Work In Restricted Working Space, Add	*13.31*	
		For Elevated Installation >10' To 15', Add	*4.44*	
		For Elevated Installation >15' To 20', Add	*8.87*	
		For Elevated Installation >20' To 25', Add	*11.09*	
		For Elevated Installation >25' To 30', Add	*15.52*	
		For Elevated Installation >30' To 35', Add	*17.74*	
		For Elevated Installation >35' To 40', Add	*22.18*	
		For Elevated Installation >40', Add	*24.39*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	73.08	26.62
		For 3" WG (Class B), Add	*9.98*	
		For 4" Or 6" WG (Class A), Add	*26.62*	
		For 28 Gauge, Deduct	*-0.91*	
		For 24 Gauge, Add	*0.90*	
		For 22 Gauge, Add	*1.80*	
		For 20 Gauge, Add	*2.71*	
		For 18 Gauge, Add	*3.60*	
		For 16 Gauge, Add	*4.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.84*	
		For Work In Restricted Working Space, Add	*19.96*	
		For Elevated Installation >10' To 15', Add	*6.65*	
		For Elevated Installation >15' To 20', Add	*13.31*	
		For Elevated Installation >20' To 25', Add	*16.64*	
		For Elevated Installation >25' To 30', Add	*23.29*	
		For Elevated Installation >30' To 35', Add	*26.62*	
		For Elevated Installation >35' To 40', Add	*33.27*	
		For Elevated Installation >40', Add	*36.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	96.32	34.00
		For 3" WG (Class B), Add	*12.75*	
		For 4" Or 6" WG (Class A), Add	*34.00*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.56*	
		For 22 Gauge, Add	*3.12*	
		For 20 Gauge, Add	*4.68*	
		For 18 Gauge, Add	*6.22*	
		For 16 Gauge, Add	*7.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.37*	
		For Work In Restricted Working Space, Add	*25.50*	
		For Elevated Installation >10' To 15', Add	*8.50*	
		For Elevated Installation >15' To 20', Add	*17.00*	
		For Elevated Installation >20' To 25', Add	*21.25*	
		For Elevated Installation >25' To 30', Add	*29.75*	
		For Elevated Installation >30' To 35', Add	*34.00*	
		For Elevated Installation >35' To 40', Add	*42.51*	
		For Elevated Installation >40', Add	*46.76*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	125.74	42.87
		For 3" WG (Class B), Add	*16.08*	
		For 4" Or 6" WG (Class A), Add	*42.88*	
		For 28 Gauge, Deduct	*-2.57*	
		For 24 Gauge, Add	*2.56*	
		For 22 Gauge, Add	*5.11*	
		For 20 Gauge, Add	*7.68*	
		For 18 Gauge, Add	*10.20*	
		For 16 Gauge, Add	*12.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.73*	
		For Work In Restricted Working Space, Add	*32.16*	
		For Elevated Installation >10' To 15', Add	*10.72*	
		For Elevated Installation >15' To 20', Add	*21.44*	
		For Elevated Installation >20' To 25', Add	*26.80*	
		For Elevated Installation >25' To 30', Add	*37.52*	
		For Elevated Installation >30' To 35', Add	*42.88*	
		For Elevated Installation >35' To 40', Add	*53.60*	
		For Elevated Installation >40', Add	*58.95*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	134.05	44.73
		For 3" WG (Class B), Add	*16.74*	
		For 4" Or 6" WG (Class A), Add	*44.65*	
		For 28 Gauge, Deduct	*-3.11*	
		For 24 Gauge, Add	*3.09*	
		For 22 Gauge, Add	*6.18*	
		For 20 Gauge, Add	*9.28*	
		For 18 Gauge, Add	*12.33*	
		For 16 Gauge, Add	*15.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.59*	
		For Work In Restricted Working Space, Add	*33.49*	
		For Elevated Installation >10' To 15', Add	*11.16*	
		For Elevated Installation >15' To 20', Add	*22.33*	
		For Elevated Installation >20' To 25', Add	*27.91*	
		For Elevated Installation >25' To 30', Add	*39.07*	
		For Elevated Installation >30' To 35', Add	*44.65*	
		For Elevated Installation >35' To 40', Add	*55.82*	
		For Elevated Installation >40', Add	*61.40*	
		For 10" WG (Class A), Add	*51.35*	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	143.31	45.84
		For 3" WG (Class B), Add	*17.19*	
		For 4" Or 6" WG (Class A), Add	*45.83*	
		For 28 Gauge, Deduct	*-3.98*	
		For 24 Gauge, Add	*3.96*	
		For 22 Gauge, Add	*7.92*	
		For 20 Gauge, Add	*11.89*	
		For 18 Gauge, Add	*15.80*	
		For 16 Gauge, Add	*19.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.26*	
		For Work In Restricted Working Space, Add	*34.37*	
		For Elevated Installation >10' To 15', Add	*11.46*	
		For Elevated Installation >15' To 20', Add	*22.92*	
		For Elevated Installation >20' To 25', Add	*28.65*	
		For Elevated Installation >25' To 30', Add	*40.10*	
		For Elevated Installation >30' To 35', Add	*45.83*	
		For Elevated Installation >35' To 40', Add	*57.29*	
		For Elevated Installation >40', Add	*63.02*	
		For 10" WG (Class A), Add	*52.71*	

23 31 13 16-0050 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	28.95	9.98
		For 3" WG (Class B), Add	*3.74*	
		For 4" Or 6" WG (Class A), Add	*9.98*	
		For 28 Gauge, Deduct	*-0.56*	
		For 24 Gauge, Add	*0.55*	
		For 22 Gauge, Add	*1.10*	
		For 20 Gauge, Add	*1.66*	
		For 18 Gauge, Add	*2.21*	
		For 16 Gauge, Add	*2.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.97*	
		For Work In Restricted Working Space, Add	*7.48*	
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.99*	
		For Elevated Installation >20' To 25', Add	*6.24*	
		For Elevated Installation >25' To 30', Add	*8.73*	
		For Elevated Installation >30' To 35', Add	*9.98*	
		For Elevated Installation >35' To 40', Add	*12.47*	
		For Elevated Installation >40', Add	*13.72*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	33.84	11.39
		For 3" WG (Class B), Add	*4.28*	
		For 4" Or 6" WG (Class A), Add	*11.40*	
		For 28 Gauge, Deduct	*-0.74*	
		For 24 Gauge, Add	*0.74*	
		For 22 Gauge, Add	*1.47*	
		For 20 Gauge, Add	*2.21*	
		For 18 Gauge, Add	*2.93*	
		For 16 Gauge, Add	*3.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.94*	
		For Work In Restricted Working Space, Add	*8.55*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.70*	
		For Elevated Installation >20' To 25', Add	*7.13*	
		For Elevated Installation >25' To 30', Add	*9.98*	
		For Elevated Installation >30' To 35', Add	*11.40*	
		For Elevated Installation >35' To 40', Add	*14.26*	
		For Elevated Installation >40', Add	*15.68*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	39.05	13.30
		For 3" WG (Class B), Add	*4.99*	
		For 4" Or 6" WG (Class A), Add	*13.31*	
		For 28 Gauge, Deduct	*-0.80*	
		For 24 Gauge, Add	*0.80*	
		For 22 Gauge, Add	*1.59*	
		For 20 Gauge, Add	*2.39*	
		For 18 Gauge, Add	*3.18*	
		For 16 Gauge, Add	*3.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.28*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Elevated Installation >10' To 15', Add	*3.33*	
		For Elevated Installation >15' To 20', Add	*6.65*	
		For Elevated Installation >20' To 25', Add	*8.32*	
		For Elevated Installation >25' To 30', Add	*11.64*	
		For Elevated Installation >30' To 35', Add	*13.31*	
		For Elevated Installation >35' To 40', Add	*16.64*	
		For Elevated Installation >40', Add	*18.30*	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	46.58	15.96
		For 3" WG (Class B), Add	*5.99*	
		For 4" Or 6" WG (Class A), Add	*15.97*	
		For 28 Gauge, Deduct	*-0.92*	
		For 24 Gauge, Add	*0.92*	
		For 22 Gauge, Add	*1.83*	
		For 20 Gauge, Add	*2.76*	
		For 18 Gauge, Add	*3.66*	
		For 16 Gauge, Add	*4.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.93*	
		For Work In Restricted Working Space, Add	*11.98*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.98*	
		For Elevated Installation >25' To 30', Add	*13.97*	
		For Elevated Installation >30' To 35', Add	*15.97*	
		For Elevated Installation >35' To 40', Add	*19.96*	
		For Elevated Installation >40', Add	*21.96*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	60.67	19.95
		For 3" WG (Class B), Add	*7.49*	
		For 4" Or 6" WG (Class A), Add	*19.96*	
		For 28 Gauge, Deduct	*-1.49*	
		For 24 Gauge, Add	*1.48*	
		For 22 Gauge, Add	*2.96*	
		For 20 Gauge, Add	*4.45*	
		For 18 Gauge, Add	*5.92*	
		For 16 Gauge, Add	*7.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.96*	
		For Work In Restricted Working Space, Add	*14.97*	
		For Elevated Installation >10' To 15', Add	*4.99*	
		For Elevated Installation >15' To 20', Add	*9.98*	
		For Elevated Installation >20' To 25', Add	*12.48*	
		For Elevated Installation >25' To 30', Add	*17.47*	
		For Elevated Installation >30' To 35', Add	*19.96*	
		For Elevated Installation >35' To 40', Add	*24.96*	
		For Elevated Installation >40', Add	*27.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	80.27	26.62
		For 3" WG (Class B), Add	*9.98*	
		For 4" Or 6" WG (Class A), Add	*26.62*	
		For 28 Gauge, Deduct	*-1.90*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.78*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*7.55*	
		For 16 Gauge, Add	*9.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.16*	
		For Work In Restricted Working Space, Add	*19.96*	
		For Elevated Installation >10' To 15', Add	*6.65*	
		For Elevated Installation >15' To 20', Add	*13.31*	
		For Elevated Installation >20' To 25', Add	*16.64*	
		For Elevated Installation >25' To 30', Add	*23.29*	
		For Elevated Installation >30' To 35', Add	*26.62*	
		For Elevated Installation >35' To 40', Add	*33.27*	
		For Elevated Installation >40', Add	*36.60*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	113.50	39.92
		For 3" WG (Class B), Add	*14.97*	
		For 4" Or 6" WG (Class A), Add	*39.91*	
		For 28 Gauge, Deduct	*-1.90*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.78*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*7.55*	
		For 16 Gauge, Add	*9.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.16*	
		For Work In Restricted Working Space, Add	*29.93*	
		For Elevated Installation >10' To 15', Add	*9.98*	
		For Elevated Installation >15' To 20', Add	*19.95*	
		For Elevated Installation >20' To 25', Add	*24.94*	
		For Elevated Installation >25' To 30', Add	*34.92*	
		For Elevated Installation >30' To 35', Add	*39.91*	
		For Elevated Installation >35' To 40', Add	*49.89*	
		For Elevated Installation >40', Add	*54.87*	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	153.61	50.86
		For 3" WG (Class B), Add	*19.12*	
		For 4" Or 6" WG (Class A), Add	*50.98*	
		For 28 Gauge, Deduct	*-3.62*	
		For 24 Gauge, Add	*3.61*	
		For 22 Gauge, Add	*7.20*	
		For 20 Gauge, Add	*10.83*	
		For 18 Gauge, Add	*14.38*	
		For 16 Gauge, Add	*17.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.35*	
		For Work In Restricted Working Space, Add	*38.24*	
		For Elevated Installation >10' To 15', Add	*12.75*	
		For Elevated Installation >15' To 20', Add	*25.49*	
		For Elevated Installation >20' To 25', Add	*31.87*	
		For Elevated Installation >25' To 30', Add	*44.61*	
		For Elevated Installation >30' To 35', Add	*50.98*	
		For Elevated Installation >35' To 40', Add	*63.73*	
		For Elevated Installation >40', Add	*70.10*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	197.41	64.46
		For 3" WG (Class B), Add	*24.11*	
		For 4" Or 6" WG (Class A), Add	*64.28*	
		For 28 Gauge, Deduct	*-5.08*	
		For 24 Gauge, Add	*5.06*	
		For 22 Gauge, Add	*10.11*	
		For 20 Gauge, Add	*15.19*	
		For 18 Gauge, Add	*20.19*	
		For 16 Gauge, Add	*24.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.16*	
		For Work In Restricted Working Space, Add	*48.21*	
		For Elevated Installation >10' To 15', Add	*16.07*	
		For Elevated Installation >15' To 20', Add	*32.14*	
		For Elevated Installation >20' To 25', Add	*40.18*	
		For Elevated Installation >25' To 30', Add	*56.25*	
		For Elevated Installation >30' To 35', Add	*64.28*	
		For Elevated Installation >35' To 40', Add	*80.36*	
		For Elevated Installation >40', Add	*88.39*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	226.39	71.71
		For 3" WG (Class B), Add	*26.94*	
		For 4" Or 6" WG (Class A), Add	*71.85*	
		For 28 Gauge, Deduct	*-6.48*	
		For 24 Gauge, Add	*6.45*	
		For 22 Gauge, Add	*12.88*	
		For 20 Gauge, Add	*19.36*	
		For 18 Gauge, Add	*25.72*	
		For 16 Gauge, Add	*31.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.60*	
		For Work In Restricted Working Space, Add	*53.89*	
		For Elevated Installation >10' To 15', Add	*17.96*	
		For Elevated Installation >15' To 20', Add	*35.93*	
		For Elevated Installation >20' To 25', Add	*44.91*	
		For Elevated Installation >25' To 30', Add	*62.87*	
		For Elevated Installation >30' To 35', Add	*71.85*	
		For Elevated Installation >35' To 40', Add	*89.82*	
		For Elevated Installation >40', Add	*98.80*	
		For 10" WG (Class A), Add	*82.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	237.44	74.30
		For 3" WG (Class B), Add	*27.83*	
		For 4" Or 6" WG (Class A), Add	*74.22*	
		For 28 Gauge, Deduct	*-7.19*	
		For 24 Gauge, Add	*7.16*	
		For 22 Gauge, Add	*14.30*	
		For 20 Gauge, Add	*21.48*	
		For 18 Gauge, Add	*28.54*	
		For 16 Gauge, Add	*35.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.40*	
		For Work In Restricted Working Space, Add	*55.67*	
		For Elevated Installation >10' To 15', Add	*18.56*	
		For Elevated Installation >15' To 20', Add	*37.11*	
		For Elevated Installation >20' To 25', Add	*46.39*	
		For Elevated Installation >25' To 30', Add	*64.94*	
		For Elevated Installation >30' To 35', Add	*74.22*	
		For Elevated Installation >35' To 40', Add	*92.78*	
		For Elevated Installation >40', Add	*102.05*	
		For 10" WG (Class A), Add	*85.35*	

23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	13.18
		For 3" WG (Class B), Add	*1.77*
		For 4" Or 6" WG (Class A), Add	*4.73*
		For Work In Restricted Working Space, Add	*3.55*
		For Elevated Installation >10' To 15', Add	*1.18*
		For Elevated Installation >15' To 20', Add	*2.37*
		For Elevated Installation >20' To 25', Add	*2.96*
		For Elevated Installation >25' To 30', Add	*4.14*
		For Elevated Installation >30' To 35', Add	*4.73*
		For Elevated Installation >35' To 40', Add	*5.92*
		For Elevated Installation >40', Add	*6.51*
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	13.88
		For 3" WG (Class B), Add	*1.86*
		For 4" Or 6" WG (Class A), Add	*4.97*
		For Work In Restricted Working Space, Add	*3.73*
		For Elevated Installation >10' To 15', Add	*1.24*
		For Elevated Installation >15' To 20', Add	*2.49*
		For Elevated Installation >20' To 25', Add	*3.11*
		For Elevated Installation >25' To 30', Add	*4.35*
		For Elevated Installation >30' To 35', Add	*4.97*
		For Elevated Installation >35' To 40', Add	*6.22*
		For Elevated Installation >40', Add	*6.84*
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	14.86
		For 3" WG (Class B), Add	*2.00*
		For 4" Or 6" WG (Class A), Add	*5.32*
		For Work In Restricted Working Space, Add	*3.99*
		For Elevated Installation >10' To 15', Add	*1.33*
		For Elevated Installation >15' To 20', Add	*2.66*
		For Elevated Installation >20' To 25', Add	*3.33*
		For Elevated Installation >25' To 30', Add	*4.66*
		For Elevated Installation >30' To 35', Add	*5.32*
		For Elevated Installation >35' To 40', Add	*6.65*
		For Elevated Installation >40', Add	*7.32*
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	15.83
		For 3" WG (Class B), Add	*2.11*
		For 4" Or 6" WG (Class A), Add	*5.62*
		For Work In Restricted Working Space, Add	*4.22*
		For Elevated Installation >10' To 15', Add	*1.41*
		For Elevated Installation >15' To 20', Add	*2.81*
		For Elevated Installation >20' To 25', Add	*3.51*
		For Elevated Installation >25' To 30', Add	*4.92*
		For Elevated Installation >30' To 35', Add	*5.62*
		For Elevated Installation >35' To 40', Add	*7.03*
		For Elevated Installation >40', Add	*7.73*
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	17.17
		For 3" WG (Class B), Add	*2.27*
		For 4" Or 6" WG (Class A), Add	*6.06*
		For Work In Restricted Working Space, Add	*4.55*
		For Elevated Installation >10' To 15', Add	*1.52*
		For Elevated Installation >15' To 20', Add	*3.03*
		For Elevated Installation >20' To 25', Add	*3.79*
		For Elevated Installation >25' To 30', Add	*5.31*
		For Elevated Installation >30' To 35', Add	*6.06*
		For Elevated Installation >35' To 40', Add	*7.58*
		For Elevated Installation >40', Add	*8.34*
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	20.10
		For 3" WG (Class B), Add	*2.54*
		For 4" Or 6" WG (Class A), Add	*6.77*
		For Work In Restricted Working Space, Add	*5.08*
		For Elevated Installation >10' To 15', Add	*1.69*
		For Elevated Installation >15' To 20', Add	*3.39*
		For Elevated Installation >20' To 25', Add	*4.23*
		For Elevated Installation >25' To 30', Add	*5.93*
		For Elevated Installation >30' To 35', Add	*6.77*
		For Elevated Installation >35' To 40', Add	*8.47*
		For Elevated Installation >40', Add	*9.31*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	27.47	
		For 3" WG (Class B), Add	*3.55*	
		For 4" Or 6" WG (Class A), Add	*9.46*	
		For Work In Restricted Working Space, Add	*7.10*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.73*	
		For Elevated Installation >20' To 25', Add	*5.91*	
		For Elevated Installation >25' To 30', Add	*8.28*	
		For Elevated Installation >30' To 35', Add	*9.46*	
		For Elevated Installation >35' To 40', Add	*11.83*	
		For Elevated Installation >40', Add	*13.01*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	31.36	
		For 3" WG (Class B), Add	*4.04*	
		For 4" Or 6" WG (Class A), Add	*10.77*	
		For Work In Restricted Working Space, Add	*8.08*	
		For Elevated Installation >10' To 15', Add	*2.69*	
		For Elevated Installation >15' To 20', Add	*5.38*	
		For Elevated Installation >20' To 25', Add	*6.73*	
		For Elevated Installation >25' To 30', Add	*9.42*	
		For Elevated Installation >30' To 35', Add	*10.77*	
		For Elevated Installation >35' To 40', Add	*13.46*	
		For Elevated Installation >40', Add	*14.81*	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	34.48	
		For 3" WG (Class B), Add	*4.43*	
		For 4" Or 6" WG (Class A), Add	*11.80*	
		For Work In Restricted Working Space, Add	*8.85*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.90*	
		For Elevated Installation >20' To 25', Add	*7.38*	
		For Elevated Installation >25' To 30', Add	*10.33*	
		For Elevated Installation >30' To 35', Add	*11.80*	
		For Elevated Installation >35' To 40', Add	*14.75*	
		For Elevated Installation >40', Add	*16.23*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	37.50	
		For 3" WG (Class B), Add	*4.79*	
		For 4" Or 6" WG (Class A), Add	*12.78*	
		For Work In Restricted Working Space, Add	*9.58*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.39*	
		For Elevated Installation >20' To 25', Add	*7.99*	
		For Elevated Installation >25' To 30', Add	*11.18*	
		For Elevated Installation >30' To 35', Add	*12.78*	
		For Elevated Installation >35' To 40', Add	*15.97*	
		For Elevated Installation >40', Add	*17.57*	
		For 10" WG (Class A), Add	*14.69*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	40.85	
		For 3" WG (Class B), Add	*5.22*	
		For 4" Or 6" WG (Class A), Add	*13.93*	
		For Work In Restricted Working Space, Add	*10.45*	
		For Elevated Installation >10' To 15', Add	*3.48*	
		For Elevated Installation >15' To 20', Add	*6.96*	
		For Elevated Installation >20' To 25', Add	*8.71*	
		For Elevated Installation >25' To 30', Add	*12.19*	
		For Elevated Installation >30' To 35', Add	*13.93*	
		For Elevated Installation >35' To 40', Add	*17.41*	
		For Elevated Installation >40', Add	*19.15*	
		For 10" WG (Class A), Add	*16.02*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	5.05	0.69
		For 3" WG (Class B), Add	*0.55*	
		For 4" Or 6" WG (Class A), Add	*1.47*	
		For 24 Gauge, Add	*0.28*	
		For 22 Gauge, Add	*0.63*	
		For 20 Gauge, Add	*1.04*	
		For 18 Gauge, Add	*1.59*	
		For 16 Gauge, Add	*1.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.02*	
		For Work In Restricted Working Space, Add	*1.10*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	6.40	1.37
		For 3" WG (Class B), Add	*0.66*	
		For 4" Or 6" WG (Class A), Add	*1.76*	
		For 24 Gauge, Add	*0.40*	
		For 22 Gauge, Add	*0.92*	
		For 20 Gauge, Add	*1.50*	
		For 18 Gauge, Add	*2.30*	
		For 16 Gauge, Add	*2.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.48*	
		For Work In Restricted Working Space, Add	*1.32*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	8.08	1.37
		For 3" WG (Class B), Add	*0.82*	
		For 4" Or 6" WG (Class A), Add	*2.18*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.21*	
		For 20 Gauge, Add	*1.97*	
		For 18 Gauge, Add	*3.02*	
		For 16 Gauge, Add	*3.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.95*	
		For Work In Restricted Working Space, Add	*1.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	9.80	1.37
		For 3" WG (Class B), Add	*0.98*	
		For 4" Or 6" WG (Class A), Add	*2.62*	
		For 24 Gauge, Add	*0.65*	
		For 22 Gauge, Add	*1.50*	
		For 20 Gauge, Add	*2.44*	
		For 18 Gauge, Add	*3.74*	
		For 16 Gauge, Add	*4.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.41*	
		For Work In Restricted Working Space, Add	*1.97*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	12.21	2.06
		For 3" WG (Class B), Add	*1.23*	
		For 4" Or 6" WG (Class A), Add	*3.28*	
		For 24 Gauge, Add	*0.80*	
		For 22 Gauge, Add	*1.84*	
		For 20 Gauge, Add	*3.00*	
		For 18 Gauge, Add	*4.60*	
		For 16 Gauge, Add	*5.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.96*	
		For Work In Restricted Working Space, Add	*2.46*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	14.89	2.06
		For 3" WG (Class B), Add	*1.54*	
		For 4" Or 6" WG (Class A), Add	*4.10*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*2.13*	
		For 20 Gauge, Add	*3.47*	
		For 18 Gauge, Add	*5.32*	
		For 16 Gauge, Add	*6.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.43*	
		For Work In Restricted Working Space, Add	*3.08*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	20.40	2.06
		For 3" WG (Class B), Add	*2.05*	
		For 4" Or 6" WG (Class A), Add	*5.47*	
		For 24 Gauge, Add	*1.35*	
		For 22 Gauge, Add	*3.10*	
		For 20 Gauge, Add	*5.05*	
		For 18 Gauge, Add	*7.74*	
		For 16 Gauge, Add	*9.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*4.10*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	23.39	2.74
		For 3" WG (Class B), Add	*2.39*	
		For 4" Or 6" WG (Class A), Add	*6.37*	
		For 24 Gauge, Add	*1.49*	
		For 22 Gauge, Add	*3.43*	
		For 20 Gauge, Add	*5.60*	
		For 18 Gauge, Add	*8.58*	
		For 16 Gauge, Add	*10.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.52*	
		For Work In Restricted Working Space, Add	*4.78*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	26.42	2.74
		For 3" WG (Class B), Add	*2.72*	
		For 4" Or 6" WG (Class A), Add	*7.24*	
		For 24 Gauge, Add	*1.66*	
		For 22 Gauge, Add	*3.83*	
		For 20 Gauge, Add	*6.24*	
		For 18 Gauge, Add	*9.57*	
		For 16 Gauge, Add	*11.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.16*	
		For Work In Restricted Working Space, Add	*5.43*	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	29.57	3.42
		For 3" WG (Class B), Add	*3.06*	
		For 4" Or 6" WG (Class A), Add	*8.15*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.23*	
		For 20 Gauge, Add	*6.89*	
		For 18 Gauge, Add	*10.57*	
		For 16 Gauge, Add	*12.87*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.80*	
		For Work In Restricted Working Space, Add	*6.11*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	32.80	4.10
		For 3" WG (Class B), Add	*3.42*	
		For 4" Or 6" WG (Class A), Add	*9.12*	
		For 24 Gauge, Add	*2.00*	
		For 22 Gauge, Add	*4.60*	
		For 20 Gauge, Add	*7.49*	
		For 18 Gauge, Add	*11.49*	
		For 16 Gauge, Add	*13.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.39*	
		For Work In Restricted Working Space, Add	*6.84*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0088	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	45.50	9.58
		For 3" WG (Class B), Add	*5.55*	
		For 4" Or 6" WG (Class A), Add	*14.80*	
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.91*	
		For 20 Gauge, Add	*6.38*	
		For 18 Gauge, Add	*9.79*	
		For 16 Gauge, Add	*11.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.30*	
		For Work In Restricted Working Space, Add	*11.10*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	66.83	13.68
		For 3" WG (Class B), Add	*8.21*	
		For 4" Or 6" WG (Class A), Add	*21.90*	
		For 24 Gauge, Add	*2.42*	
		For 22 Gauge, Add	*5.56*	
		For 20 Gauge, Add	*9.06*	
		For 18 Gauge, Add	*13.89*	
		For 16 Gauge, Add	*16.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.94*	
		For Work In Restricted Working Space, Add	*16.43*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	95.08	17.79
		For 3" WG (Class B), Add	*10.81*	
		For 4" Or 6" WG (Class A), Add	*28.82*	
		For 24 Gauge, Add	*4.61*	
		For 22 Gauge, Add	*10.60*	
		For 20 Gauge, Add	*17.28*	
		For 18 Gauge, Add	*26.50*	
		For 16 Gauge, Add	*32.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.05*	
		For Work In Restricted Working Space, Add	*21.61*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	118.37	22.58
		For 3" WG (Class B), Add	*13.69*	
		For 4" Or 6" WG (Class A), Add	*36.50*	
		For 24 Gauge, Add	*5.43*	
		For 22 Gauge, Add	*12.48*	
		For 20 Gauge, Add	*20.35*	
		For 18 Gauge, Add	*31.20*	
		For 16 Gauge, Add	*37.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.08*	
		For Work In Restricted Working Space, Add	*27.37*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	145.91	28.74
		For 3" WG (Class B), Add	*17.11*	
		For 4" Or 6" WG (Class A), Add	*45.62*	
		For 24 Gauge, Add	*6.37*	
		For 22 Gauge, Add	*14.66*	
		For 20 Gauge, Add	*23.90*	
		For 18 Gauge, Add	*36.64*	
		For 16 Gauge, Add	*44.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.58*	
		For Work In Restricted Working Space, Add	*34.22*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	159.88	31.48
		For 3" WG (Class B), Add	*18.66*	
		For 4" Or 6" WG (Class A), Add	*49.77*	
		For 24 Gauge, Add	*7.09*	
		For 22 Gauge, Add	*16.31*	
		For 20 Gauge, Add	*26.60*	
		For 18 Gauge, Add	*40.78*	
		For 16 Gauge, Add	*49.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.24*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	188.67	36.95
		For 3" WG (Class B), Add	*22.08*	
		For 4" Or 6" WG (Class A), Add	*58.87*	
		For 24 Gauge, Add	*8.30*	
		For 22 Gauge, Add	*19.09*	
		For 20 Gauge, Add	*31.13*	
		For 18 Gauge, Add	*47.73*	
		For 16 Gauge, Add	*58.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.71*	
		For Work In Restricted Working Space, Add	*44.15*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	230.24	45.85
		For 3" WG (Class B), Add	*27.37*	
		For 4" Or 6" WG (Class A), Add	*72.99*	
		For 24 Gauge, Add	*9.55*	
		For 22 Gauge, Add	*21.97*	
		For 20 Gauge, Add	*35.82*	
		For 18 Gauge, Add	*54.92*	
		For 16 Gauge, Add	*66.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.34*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	277.12	55.43
		For 3" WG (Class B), Add	*33.11*	
		For 4" Or 6" WG (Class A), Add	*88.30*	
		For 24 Gauge, Add	*11.27*	
		For 22 Gauge, Add	*25.93*	
		For 20 Gauge, Add	*42.28*	
		For 18 Gauge, Add	*64.83*	
		For 16 Gauge, Add	*78.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.71*	
		For Work In Restricted Working Space, Add	*66.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	322.21	64.32
		For 3" WG (Class B), Add	*38.73*	
		For 4" Or 6" WG (Class A), Add	*103.29*	
		For 24 Gauge, Add	*12.80*	
		For 22 Gauge, Add	*29.43*	
		For 20 Gauge, Add	*47.99*	
		For 18 Gauge, Add	*73.58*	
		For 16 Gauge, Add	*89.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.35*	
		For Work In Restricted Working Space, Add	*77.47*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	370.16	73.23
		For 3" WG (Class B), Add	*43.68*	
		For 4" Or 6" WG (Class A), Add	*116.48*	
		For 24 Gauge, Add	*15.79*	
		For 22 Gauge, Add	*36.32*	
		For 20 Gauge, Add	*59.22*	
		For 18 Gauge, Add	*90.80*	
		For 16 Gauge, Add	*110.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*58.43*	
		For Work In Restricted Working Space, Add	*87.36*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	45.90	9.58
		For 3" WG (Class B), Add	*5.55*	
		For 4" Or 6" WG (Class A), Add	*14.80*	
		For 24 Gauge, Add	*1.78*	
		For 22 Gauge, Add	*4.10*	
		For 20 Gauge, Add	*6.68*	
		For 18 Gauge, Add	*10.25*	
		For 16 Gauge, Add	*12.47*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.59*	
		For Work In Restricted Working Space, Add	*11.10*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	64.76	13.68
		For 3" WG (Class B), Add	*8.21*	
		For 4" Or 6" WG (Class A), Add	*21.90*	
		For 24 Gauge, Add	*2.00*	
		For 22 Gauge, Add	*4.60*	
		For 20 Gauge, Add	*7.51*	
		For 18 Gauge, Add	*11.51*	
		For 16 Gauge, Add	*14.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.41*	
		For Work In Restricted Working Space, Add	*16.43*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	85.46	17.79
		For 3" WG (Class B), Add	*10.81*	
		For 4" Or 6" WG (Class A), Add	*28.82*	
		For 24 Gauge, Add	*2.68*	
		For 22 Gauge, Add	*6.17*	
		For 20 Gauge, Add	*10.07*	
		For 18 Gauge, Add	*15.43*	
		For 16 Gauge, Add	*18.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.93*	
		For Work In Restricted Working Space, Add	*21.61*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	108.02	22.58
		For 3" WG (Class B), Add	*13.69*	
		For 4" Or 6" WG (Class A), Add	*36.50*	
		For 24 Gauge, Add	*3.36*	
		For 22 Gauge, Add	*7.72*	
		For 20 Gauge, Add	*12.59*	
		For 18 Gauge, Add	*19.30*	
		For 16 Gauge, Add	*23.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.42*	
		For Work In Restricted Working Space, Add	*27.37*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	133.55	28.74
		For 3" WG (Class B), Add	*17.11*	
		For 4" Or 6" WG (Class A), Add	*45.62*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*8.97*	
		For 20 Gauge, Add	*14.63*	
		For 18 Gauge, Add	*22.43*	
		For 16 Gauge, Add	*27.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.43*	
		For Work In Restricted Working Space, Add	*34.22*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	146.10	31.48
		For 3" WG (Class B), Add	*18.66*	
		For 4" Or 6" WG (Class A), Add	*49.77*	
		For 24 Gauge, Add	*4.34*	
		For 22 Gauge, Add	*9.97*	
		For 20 Gauge, Add	*16.26*	
		For 18 Gauge, Add	*24.93*	
		For 16 Gauge, Add	*30.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.04*	
		For Work In Restricted Working Space, Add	*37.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	182.70	36.95
		For 3" WG (Class B), Add	*22.08*	
		For 4" Or 6" WG (Class A), Add	*58.87*	
		For 24 Gauge, Add	*7.11*	
		For 22 Gauge, Add	*16.34*	
		For 20 Gauge, Add	*26.65*	
		For 18 Gauge, Add	*40.86*	
		For 16 Gauge, Add	*49.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.29*	
		For Work In Restricted Working Space, Add	*44.15*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	226.01	45.85
		For 3" WG (Class B), Add	*27.37*	
		For 4" Or 6" WG (Class A), Add	*72.99*	
		For 24 Gauge, Add	*8.71*	
		For 22 Gauge, Add	*20.02*	
		For 20 Gauge, Add	*32.65*	
		For 18 Gauge, Add	*50.06*	
		For 16 Gauge, Add	*60.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.21*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	275.83	55.43
		For 3" WG (Class B), Add	*33.11*	
		For 4" Or 6" WG (Class A), Add	*88.30*	
		For 24 Gauge, Add	*11.02*	
		For 22 Gauge, Add	*25.34*	
		For 20 Gauge, Add	*41.31*	
		For 18 Gauge, Add	*63.34*	
		For 16 Gauge, Add	*77.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.76*	
		For Work In Restricted Working Space, Add	*66.23*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	307.53	64.32
		For 3" WG (Class B), Add	*38.73*	
		For 4" Or 6" WG (Class A), Add	*103.29*	
		For 24 Gauge, Add	*9.86*	
		For 22 Gauge, Add	*22.68*	
		For 20 Gauge, Add	*36.98*	
		For 18 Gauge, Add	*56.70*	
		For 16 Gauge, Add	*69.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.48*	
		For Work In Restricted Working Space, Add	*77.47*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	364.93	73.23
		For 3" WG (Class B), Add	*43.68*	
		For 4" Or 6" WG (Class A), Add	*116.48*	
		For 24 Gauge, Add	*14.75*	
		For 22 Gauge, Add	*33.92*	
		For 20 Gauge, Add	*55.30*	
		For 18 Gauge, Add	*84.79*	
		For 16 Gauge, Add	*103.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.56*	
		For Work In Restricted Working Space, Add	*87.36*	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*

23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	91.19	17.79
		For 3" WG (Class B), Add	*10.81*	
		For 4" Or 6" WG (Class A), Add	*28.82*	
		For 24 Gauge, Add	*3.83*	
		For 22 Gauge, Add	*8.81*	
		For 20 Gauge, Add	*14.36*	
		For 18 Gauge, Add	*22.02*	
		For 16 Gauge, Add	*26.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.17*	
		For Work In Restricted Working Space, Add	*21.61*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	134.13	28.74
		For 3" WG (Class B), Add	*17.11*	
		For 4" Or 6" WG (Class A), Add	*45.62*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*9.24*	
		For 20 Gauge, Add	*15.06*	
		For 18 Gauge, Add	*23.09*	
		For 16 Gauge, Add	*28.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.86*	
		For Work In Restricted Working Space, Add	*34.22*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	169.21	36.95
		For 3" WG (Class B), Add	*22.08*	
		For 4" Or 6" WG (Class A), Add	*58.87*	
		For 24 Gauge, Add	*4.41*	
		For 22 Gauge, Add	*10.14*	
		For 20 Gauge, Add	*16.53*	
		For 18 Gauge, Add	*25.35*	
		For 16 Gauge, Add	*30.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.31*	
		For Work In Restricted Working Space, Add	*44.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	205.51	45.85
		For 3" WG (Class B), Add	*27.37*	
		For 4" Or 6" WG (Class A), Add	*72.99*	
		For 24 Gauge, Add	*4.61*	
		For 22 Gauge, Add	*10.59*	
		For 20 Gauge, Add	*17.27*	
		For 18 Gauge, Add	*26.48*	
		For 16 Gauge, Add	*32.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.04*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	244.53	55.43
		For 3" WG (Class B), Add	*33.11*	
		For 4" Or 6" WG (Class A), Add	*88.30*	
		For 24 Gauge, Add	*4.76*	
		For 22 Gauge, Add	*10.94*	
		For 20 Gauge, Add	*17.84*	
		For 18 Gauge, Add	*27.35*	
		For 16 Gauge, Add	*33.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.60*	
		For Work In Restricted Working Space, Add	*66.23*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	284.09	64.32
		For 3" WG (Class B), Add	*38.73*	
		For 4" Or 6" WG (Class A), Add	*103.29*	
		For 24 Gauge, Add	*5.17*	
		For 22 Gauge, Add	*11.90*	
		For 20 Gauge, Add	*19.40*	
		For 18 Gauge, Add	*29.74*	
		For 16 Gauge, Add	*36.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.14*	
		For Work In Restricted Working Space, Add	*77.47*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	318.11	73.23
		For 3" WG (Class B), Add	*43.68*	
		For 4" Or 6" WG (Class A), Add	*116.48*	
		For 24 Gauge, Add	*5.38*	
		For 22 Gauge, Add	*12.38*	
		For 20 Gauge, Add	*20.18*	
		For 18 Gauge, Add	*30.95*	
		For 16 Gauge, Add	*37.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.91*	
		For Work In Restricted Working Space, Add	*87.36*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	361.69	83.49
		For 3" WG (Class B), Add	*50.07*	
		For 4" Or 6" WG (Class A), Add	*133.52*	
		For 24 Gauge, Add	*5.58*	
		For 22 Gauge, Add	*12.83*	
		For 20 Gauge, Add	*20.92*	
		For 18 Gauge, Add	*32.07*	
		For 16 Gauge, Add	*39.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.64*	
		For Work In Restricted Working Space, Add	*100.14*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	403.46	92.38
		For 3" WG (Class B), Add	*55.49*	
		For 4" Or 6" WG (Class A), Add	*147.96*	
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*15.44*	
		For 20 Gauge, Add	*25.17*	
		For 18 Gauge, Add	*38.59*	
		For 16 Gauge, Add	*46.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.83*	
		For Work In Restricted Working Space, Add	*110.97*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	437.19	100.59
		For 3" WG (Class B), Add	*60.38*	
		For 4" Or 6" WG (Class A), Add	*161.01*	
		For 24 Gauge, Add	*6.93*	
		For 22 Gauge, Add	*15.94*	
		For 20 Gauge, Add	*26.00*	
		For 18 Gauge, Add	*39.86*	
		For 16 Gauge, Add	*48.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.65*	
		For Work In Restricted Working Space, Add	*120.76*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	140.93	31.00
		For 3" WG (Class B), Add	*18.61*	
		For 4" Or 6" WG (Class A), Add	*49.62*	
		For 24 Gauge, Add	*3.37*	
		For 22 Gauge, Add	*7.76*	
		For 20 Gauge, Add	*12.65*	
		For 18 Gauge, Add	*19.40*	
		For 16 Gauge, Add	*23.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.48*	
		For Work In Restricted Working Space, Add	*37.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	170.45	37.29
		For 3" WG (Class B), Add	*22.37*	
		For 4" Or 6" WG (Class A), Add	*59.66*	
		For 24 Gauge, Add	*4.26*	
		For 22 Gauge, Add	*9.80*	
		For 20 Gauge, Add	*15.98*	
		For 18 Gauge, Add	*24.50*	
		For 16 Gauge, Add	*29.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.76*	
		For Work In Restricted Working Space, Add	*44.75*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	207.07	45.30
		For 3" WG (Class B), Add	*27.18*	
		For 4" Or 6" WG (Class A), Add	*72.49*	
		For 24 Gauge, Add	*5.17*	
		For 22 Gauge, Add	*11.89*	
		For 20 Gauge, Add	*19.39*	
		For 18 Gauge, Add	*29.73*	
		For 16 Gauge, Add	*36.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.13*	
		For Work In Restricted Working Space, Add	*54.37*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	246.52	53.86
		For 3" WG (Class B), Add	*32.36*	
		For 4" Or 6" WG (Class A), Add	*86.29*	
		For 24 Gauge, Add	*6.16*	
		For 22 Gauge, Add	*14.16*	
		For 20 Gauge, Add	*23.09*	
		For 18 Gauge, Add	*35.41*	
		For 16 Gauge, Add	*43.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.78*	
		For Work In Restricted Working Space, Add	*64.72*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	312.51	69.25
		For 3" WG (Class B), Add	*41.52*	
		For 4" Or 6" WG (Class A), Add	*110.73*	
		For 24 Gauge, Add	*7.14*	
		For 22 Gauge, Add	*16.42*	
		For 20 Gauge, Add	*26.77*	
		For 18 Gauge, Add	*41.04*	
		For 16 Gauge, Add	*49.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.41*	
		For Work In Restricted Working Space, Add	*83.05*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	347.13	76.84
		For 3" WG (Class B), Add	*46.07*	
		For 4" Or 6" WG (Class A), Add	*122.86*	
		For 24 Gauge, Add	*8.00*	
		For 22 Gauge, Add	*18.40*	
		For 20 Gauge, Add	*29.99*	
		For 18 Gauge, Add	*45.99*	
		For 16 Gauge, Add	*55.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.59*	
		For Work In Restricted Working Space, Add	*92.14*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	394.66	87.45
		For 3" WG (Class B), Add	*52.37*	
		For 4" Or 6" WG (Class A), Add	*139.66*	
		For 24 Gauge, Add	*9.10*	
		For 22 Gauge, Add	*20.94*	
		For 20 Gauge, Add	*34.14*	
		For 18 Gauge, Add	*52.35*	
		For 16 Gauge, Add	*63.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.68*	
		For Work In Restricted Working Space, Add	*104.74*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	423.44	93.27
		For 3" WG (Class B), Add	*55.91*	
		For 4" Or 6" WG (Class A), Add	*149.08*	
		For 24 Gauge, Add	*10.15*	
		For 22 Gauge, Add	*23.34*	
		For 20 Gauge, Add	*38.05*	
		For 18 Gauge, Add	*58.34*	
		For 16 Gauge, Add	*71.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.54*	
		For Work In Restricted Working Space, Add	*111.81*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	459.41	101.14
		For 3" WG (Class B), Add	*60.67*	
		For 4" Or 6" WG (Class A), Add	*161.78*	
		For 24 Gauge, Add	*10.99*	
		For 22 Gauge, Add	*25.29*	
		For 20 Gauge, Add	*41.23*	
		For 18 Gauge, Add	*63.22*	
		For 16 Gauge, Add	*76.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.68*	
		For Work In Restricted Working Space, Add	*121.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	186.45	41.05
		For 3" WG (Class B), Add	*24.60*	
		For 4" Or 6" WG (Class A), Add	*65.61*	
		For 24 Gauge, Add	*4.49*	
		For 22 Gauge, Add	*10.32*	
		For 20 Gauge, Add	*16.82*	
		For 18 Gauge, Add	*25.79*	
		For 16 Gauge, Add	*31.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.60*	
		For Work In Restricted Working Space, Add	*49.21*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	226.59	49.96
		For 3" WG (Class B), Add	*29.91*	
		For 4" Or 6" WG (Class A), Add	*79.76*	
		For 24 Gauge, Add	*5.44*	
		For 22 Gauge, Add	*12.51*	
		For 20 Gauge, Add	*20.40*	
		For 18 Gauge, Add	*31.28*	
		For 16 Gauge, Add	*38.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.13*	
		For Work In Restricted Working Space, Add	*59.82*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	269.70	59.19
		For 3" WG (Class B), Add	*35.59*	
		For 4" Or 6" WG (Class A), Add	*94.91*	
		For 24 Gauge, Add	*6.48*	
		For 22 Gauge, Add	*14.91*	
		For 20 Gauge, Add	*24.32*	
		For 18 Gauge, Add	*37.28*	
		For 16 Gauge, Add	*45.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.99*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	313.05	68.98
		For 3" WG (Class B), Add	*41.32*	
		For 4" Or 6" WG (Class A), Add	*110.19*	
		For 24 Gauge, Add	*7.51*	
		For 22 Gauge, Add	*17.28*	
		For 20 Gauge, Add	*28.18*	
		For 18 Gauge, Add	*43.21*	
		For 16 Gauge, Add	*52.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.80*	
		For Work In Restricted Working Space, Add	*82.64*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	350.34	77.12
		For 3" WG (Class B), Add	*46.24*	
		For 4" Or 6" WG (Class A), Add	*123.30*	
		For 24 Gauge, Add	*8.42*	
		For 22 Gauge, Add	*19.36*	
		For 20 Gauge, Add	*31.57*	
		For 18 Gauge, Add	*48.40*	
		For 16 Gauge, Add	*58.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.15*	
		For Work In Restricted Working Space, Add	*92.48*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	398.48	87.72
		For 3" WG (Class B), Add	*52.59*	
		For 4" Or 6" WG (Class A), Add	*140.23*	
		For 24 Gauge, Add	*9.58*	
		For 22 Gauge, Add	*22.04*	
		For 20 Gauge, Add	*35.93*	
		For 18 Gauge, Add	*55.10*	
		For 16 Gauge, Add	*67.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.45*	
		For Work In Restricted Working Space, Add	*105.17*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	444.88	97.86
		For 3" WG (Class B), Add	*58.72*	
		For 4" Or 6" WG (Class A), Add	*156.59*	
		For 24 Gauge, Add	*10.68*	
		For 22 Gauge, Add	*24.56*	
		For 20 Gauge, Add	*40.05*	
		For 18 Gauge, Add	*61.41*	
		For 16 Gauge, Add	*74.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.52*	
		For Work In Restricted Working Space, Add	*117.44*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	482.36	106.20
		For 3" WG (Class B), Add	*63.68*	
		For 4" Or 6" WG (Class A), Add	*169.80*	
		For 24 Gauge, Add	*11.57*	
		For 22 Gauge, Add	*26.62*	
		For 20 Gauge, Add	*43.40*	
		For 18 Gauge, Add	*66.54*	
		For 16 Gauge, Add	*81.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.82*	
		For Work In Restricted Working Space, Add	*127.35*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0140	EA	6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	61.64	13.68
		For 3" WG (Class B), Add	*8.21*	
		For 4" Or 6" WG (Class A), Add	*21.90*	
		For 24 Gauge, Add	*1.38*	
		For 22 Gauge, Add	*3.17*	
		For 20 Gauge, Add	*5.17*	
		For 18 Gauge, Add	*7.92*	
		For 16 Gauge, Add	*9.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.10*	
		For Work In Restricted Working Space, Add	*16.43*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	79.62	17.79
		For 3" WG (Class B), Add	*10.81*	
		For 4" Or 6" WG (Class A), Add	*28.82*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.49*	
		For 20 Gauge, Add	*5.69*	
		For 18 Gauge, Add	*8.72*	
		For 16 Gauge, Add	*10.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.61*	
		For Work In Restricted Working Space, Add	*21.61*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	99.63	22.58
		For 3" WG (Class B), Add	*13.69*	
		For 4" Or 6" WG (Class A), Add	*36.50*	
		For 24 Gauge, Add	*1.68*	
		For 22 Gauge, Add	*3.86*	
		For 20 Gauge, Add	*6.29*	
		For 18 Gauge, Add	*9.65*	
		For 16 Gauge, Add	*11.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.21*	
		For Work In Restricted Working Space, Add	*27.37*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	123.25	28.74
		For 3" WG (Class B), Add	*17.11*	
		For 4" Or 6" WG (Class A), Add	*45.62*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.23*	
		For 20 Gauge, Add	*6.90*	
		For 18 Gauge, Add	*10.58*	
		For 16 Gauge, Add	*12.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.81*	
		For Work In Restricted Working Space, Add	*34.22*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	134.66	31.48
		For 3" WG (Class B), Add	*18.66*	
		For 4" Or 6" WG (Class A), Add	*49.77*	
		For 24 Gauge, Add	*2.05*	
		For 22 Gauge, Add	*4.71*	
		For 20 Gauge, Add	*7.68*	
		For 18 Gauge, Add	*11.78*	
		For 16 Gauge, Add	*14.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.58*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	164.88	36.95
		For 3" WG (Class B), Add	*22.08*	
		For 4" Or 6" WG (Class A), Add	*58.87*	
		For 24 Gauge, Add	*3.54*	
		For 22 Gauge, Add	*8.15*	
		For 20 Gauge, Add	*13.28*	
		For 18 Gauge, Add	*20.37*	
		For 16 Gauge, Add	*24.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.11*	
		For Work In Restricted Working Space, Add	*44.15*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	201.40	45.85
		For 3" WG (Class B), Add	*27.37*	
		For 4" Or 6" WG (Class A), Add	*72.99*	
		For 24 Gauge, Add	*3.78*	
		For 22 Gauge, Add	*8.70*	
		For 20 Gauge, Add	*14.19*	
		For 18 Gauge, Add	*21.76*	
		For 16 Gauge, Add	*26.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.00*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	240.94	55.43
		For 3" WG (Class B), Add	*33.11*	
		For 4" Or 6" WG (Class A), Add	*88.30*	
		For 24 Gauge, Add	*4.04*	
		For 22 Gauge, Add	*9.29*	
		For 20 Gauge, Add	*15.14*	
		For 18 Gauge, Add	*23.22*	
		For 16 Gauge, Add	*28.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.94*	
		For Work In Restricted Working Space, Add	*66.23*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	279.70	64.32
		For 3" WG (Class B), Add	*38.73*	
		For 4" Or 6" WG (Class A), Add	*103.29*	
		For 24 Gauge, Add	*4.29*	
		For 22 Gauge, Add	*9.88*	
		For 20 Gauge, Add	*16.10*	
		For 18 Gauge, Add	*24.69*	
		For 16 Gauge, Add	*30.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.89*	
		For Work In Restricted Working Space, Add	*77.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149	EA	24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	313.82	73.23
		For 3" WG (Class B), Add	*43.68*	
		For 4" Or 6" WG (Class A), Add	*116.48*	
		For 24 Gauge, Add	*4.52*	
		For 22 Gauge, Add	*10.41*	
		For 20 Gauge, Add	*16.97*	
		For 18 Gauge, Add	*26.01*	
		For 16 Gauge, Add	*31.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.74*	
		For Work In Restricted Working Space, Add	*87.36*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	40.25	9.58
		For 3" WG (Class B), Add	*5.55*	
		For 4" Or 6" WG (Class A), Add	*14.80*	
		For 24 Gauge, Add	*0.65*	
		For 22 Gauge, Add	*1.50*	
		For 20 Gauge, Add	*2.45*	
		For 18 Gauge, Add	*3.75*	
		For 16 Gauge, Add	*4.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.41*	
		For Work In Restricted Working Space, Add	*11.10*	
23 31 13 16-0152	EA	6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	58.45	13.68
		For 3" WG (Class B), Add	*8.21*	
		For 4" Or 6" WG (Class A), Add	*21.90*	
		For 24 Gauge, Add	*0.74*	
		For 22 Gauge, Add	*1.70*	
		For 20 Gauge, Add	*2.78*	
		For 18 Gauge, Add	*4.26*	
		For 16 Gauge, Add	*5.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.74*	
		For Work In Restricted Working Space, Add	*16.43*	
23 31 13 16-0153	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	76.03	17.79
		For 3" WG (Class B), Add	*10.81*	
		For 4" Or 6" WG (Class A), Add	*28.82*	
		For 24 Gauge, Add	*0.80*	
		For 22 Gauge, Add	*1.84*	
		For 20 Gauge, Add	*2.99*	
		For 18 Gauge, Add	*4.59*	
		For 16 Gauge, Add	*5.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.95*	
		For Work In Restricted Working Space, Add	*21.61*	
23 31 13 16-0154	EA	10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	95.52	22.58
		For 3" WG (Class B), Add	*13.69*	
		For 4" Or 6" WG (Class A), Add	*36.50*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.97*	
		For 20 Gauge, Add	*3.21*	
		For 18 Gauge, Add	*4.92*	
		For 16 Gauge, Add	*5.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*27.37*	
23 31 13 16-0155	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	118.62	28.74
		For 3" WG (Class B), Add	*17.11*	
		For 4" Or 6" WG (Class A), Add	*45.62*	
		For 24 Gauge, Add	*0.91*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.43*	
		For 18 Gauge, Add	*5.26*	
		For 16 Gauge, Add	*6.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.38*	
		For Work In Restricted Working Space, Add	*34.22*	
23 31 13 16-0156	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	129.28	31.48
		For 3" WG (Class B), Add	*18.66*	
		For 4" Or 6" WG (Class A), Add	*49.77*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*2.24*	
		For 20 Gauge, Add	*3.65*	
		For 18 Gauge, Add	*5.59*	
		For 16 Gauge, Add	*6.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.60*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 16-0157	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	152.55	36.95
		For 3" WG (Class B), Add	*22.08*	
		For 4" Or 6" WG (Class A), Add	*58.87*	
		For 24 Gauge, Add	*1.08*	
		For 22 Gauge, Add	*2.47*	
		For 20 Gauge, Add	*4.04*	
		For 18 Gauge, Add	*6.19*	
		For 16 Gauge, Add	*7.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.98*	
		For Work In Restricted Working Space, Add	*44.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0158	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	188.15	45.85
		For 3" WG (Class B), Add	*27.37*	
		For 4" Or 6" WG (Class A), Add	*72.99*	
		For 24 Gauge, Add	*1.13*	
		For 22 Gauge, Add	*2.61*	
		For 20 Gauge, Add	*4.25*	
		For 18 Gauge, Add	*6.52*	
		For 16 Gauge, Add	*7.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.20*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0159	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	226.77	55.43
		For 3" WG (Class B), Add	*33.11*	
		For 4" Or 6" WG (Class A), Add	*88.30*	
		For 24 Gauge, Add	*1.20*	
		For 22 Gauge, Add	*2.77*	
		For 20 Gauge, Add	*4.52*	
		For 18 Gauge, Add	*6.92*	
		For 16 Gauge, Add	*8.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.45*	
		For Work In Restricted Working Space, Add	*66.23*	
23 31 13 16-0160	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	264.48	129.33
		For 3" WG (Class B), Add	*38.73*	
		For 4" Or 6" WG (Class A), Add	*103.29*	
		For 24 Gauge, Add	*1.25*	
		For 22 Gauge, Add	*2.88*	
		For 20 Gauge, Add	*4.69*	
		For 18 Gauge, Add	*7.19*	
		For 16 Gauge, Add	*8.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.63*	
		For Work In Restricted Working Space, Add	*77.47*	
23 31 13 16-0161	EA	24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	297.80	145.76
		For 3" WG (Class B), Add	*43.68*	
		For 4" Or 6" WG (Class A), Add	*116.48*	
		For 24 Gauge, Add	*1.32*	
		For 22 Gauge, Add	*3.04*	
		For 20 Gauge, Add	*4.95*	
		For 18 Gauge, Add	*7.59*	
		For 16 Gauge, Add	*9.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.88*	
		For Work In Restricted Working Space, Add	*87.36*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	22.31	9.58
		For 3" WG (Class B), Add	*2.77*	
		For 4" Or 6" WG (Class A), Add	*7.40*	
		For 24 Gauge, Add	*0.76*	
		For 22 Gauge, Add	*1.76*	
		For 20 Gauge, Add	*2.87*	
		For 18 Gauge, Add	*4.39*	
		For 16 Gauge, Add	*5.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.83*	
		For Work In Restricted Working Space, Add	*5.55*	
23 31 13 16-0164	EA	6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	31.65	13.68
		For 3" WG (Class B), Add	*4.11*	
		For 4" Or 6" WG (Class A), Add	*10.95*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.97*	
		For 20 Gauge, Add	*3.21*	
		For 18 Gauge, Add	*4.92*	
		For 16 Gauge, Add	*5.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*8.21*	
23 31 13 16-0165	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	40.70	18.48
		For 3" WG (Class B), Add	*5.40*	
		For 4" Or 6" WG (Class A), Add	*14.40*	
		For 24 Gauge, Add	*0.94*	
		For 22 Gauge, Add	*2.16*	
		For 20 Gauge, Add	*3.52*	
		For 18 Gauge, Add	*5.39*	
		For 16 Gauge, Add	*6.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.47*	
		For Work In Restricted Working Space, Add	*10.80*	
23 31 13 16-0166	EA	10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	50.83	23.27
		For 3" WG (Class B), Add	*6.84*	
		For 4" Or 6" WG (Class A), Add	*18.25*	
		For 24 Gauge, Add	*1.04*	
		For 22 Gauge, Add	*2.40*	
		For 20 Gauge, Add	*3.91*	
		For 18 Gauge, Add	*5.99*	
		For 16 Gauge, Add	*7.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.86*	
		For Work In Restricted Working Space, Add	*13.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0167	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	62.81	28.74
		For 3" WG (Class B), Add	*8.55*	
		For 4" Or 6" WG (Class A), Add	*22.81*	
		For 24 Gauge, Add	*1.16*	
		For 22 Gauge, Add	*2.66*	
		For 20 Gauge, Add	*4.34*	
		For 18 Gauge, Add	*6.66*	
		For 16 Gauge, Add	*8.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.28*	
		For Work In Restricted Working Space, Add	*17.11*	
23 31 13 16-0168	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	68.57	31.48
		For 3" WG (Class B), Add	*9.33*	
		For 4" Or 6" WG (Class A), Add	*24.88*	
		For 24 Gauge, Add	*1.27*	
		For 22 Gauge, Add	*2.93*	
		For 20 Gauge, Add	*4.77*	
		For 18 Gauge, Add	*7.31*	
		For 16 Gauge, Add	*8.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.71*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 16-0169	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	79.39	36.26
		For 3" WG (Class B), Add	*10.81*	
		For 4" Or 6" WG (Class A), Add	*28.82*	
		For 24 Gauge, Add	*1.47*	
		For 22 Gauge, Add	*3.38*	
		For 20 Gauge, Add	*5.51*	
		For 18 Gauge, Add	*8.45*	
		For 16 Gauge, Add	*10.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.44*	
		For Work In Restricted Working Space, Add	*21.61*	
23 31 13 16-0170	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	116.00	45.85
		For 3" WG (Class B), Add	*13.69*	
		For 4" Or 6" WG (Class A), Add	*36.50*	
		For 24 Gauge, Add	*4.95*	
		For 22 Gauge, Add	*11.39*	
		For 20 Gauge, Add	*18.57*	
		For 18 Gauge, Add	*28.47*	
		For 16 Gauge, Add	*34.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.32*	
		For Work In Restricted Working Space, Add	*27.37*	
23 31 13 16-0171	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	140.90	56.80
		For 3" WG (Class B), Add	*17.11*	
		For 4" Or 6" WG (Class A), Add	*45.62*	
		For 24 Gauge, Add	*5.37*	
		For 22 Gauge, Add	*12.35*	
		For 20 Gauge, Add	*20.14*	
		For 18 Gauge, Add	*30.88*	
		For 16 Gauge, Add	*37.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.87*	
		For Work In Restricted Working Space, Add	*34.22*	
23 31 13 16-0172	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	153.35	62.28
		For 3" WG (Class B), Add	*18.66*	
		For 4" Or 6" WG (Class A), Add	*49.77*	
		For 24 Gauge, Add	*5.79*	
		For 22 Gauge, Add	*13.31*	
		For 20 Gauge, Add	*21.70*	
		For 18 Gauge, Add	*33.27*	
		For 16 Gauge, Add	*40.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.41*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 16-0173	EA	24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	176.66	72.54
		For 3" WG (Class B), Add	*21.84*	
		For 4" Or 6" WG (Class A), Add	*58.24*	
		For 24 Gauge, Add	*6.21*	
		For 22 Gauge, Add	*14.29*	
		For 20 Gauge, Add	*23.30*	
		For 18 Gauge, Add	*35.73*	
		For 16 Gauge, Add	*43.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.99*	
		For Work In Restricted Working Space, Add	*43.68*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	27.24	21.95
		For Work In Restricted Working Space, Add	*8.03*	
		For Elevated Installation >10' To 15', Add	*2.68*	
		For Elevated Installation >15' To 20', Add	*5.35*	
		For Elevated Installation >20' To 25', Add	*6.69*	
		For Elevated Installation >25' To 30', Add	*9.36*	
		For Elevated Installation >30' To 35', Add	*10.70*	
		For Elevated Installation >35' To 40', Add	*13.38*	
		For Elevated Installation >40', Add	*14.71*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	23.23	9.24
		For Stainless Steel, Add	*6.18*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	23.23	9.24
		For Stainless Steel, Add	*6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	24.81	9.98
		For Stainless Steel, Add	*6.32*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	24.81	9.98
		For Stainless Steel, Add	*6.32*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	25.98	9.98
		For Stainless Steel, Add	*7.84*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	26.88	10.72
		For Stainless Steel, Add	*7.07*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	26.88	10.72
		For Stainless Steel, Add	*7.07*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	27.61	10.72
		For Stainless Steel, Add	*8.02*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	27.20	11.46
		For Stainless Steel, Add	*5.56*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	28.80	12.19
		For Stainless Steel, Add	*5.72*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	31.79	12.19
		For Stainless Steel, Add	*9.61*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	30.54	12.94
		For Stainless Steel, Add	*6.07*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	33.46	12.94
		For Stainless Steel, Add	*9.87*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	24.11	9.98
		For Stainless Steel, Add	*5.40*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	24.11	9.98
		For Stainless Steel, Add	*5.40*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	26.06	10.72
		For Stainless Steel, Add	*6.01*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	26.76	10.72
		For Stainless Steel, Add	*6.92*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	27.29	11.46
		For Stainless Steel, Add	*5.68*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	28.89	12.19
		For Stainless Steel, Add	*5.84*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	24.58	9.98
		For Stainless Steel, Add	*6.01*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	26.35	10.72
		For Stainless Steel, Add	*6.38*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	23.23	9.24
		For Stainless Steel, Add	*6.18*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	24.82	9.98
		For Stainless Steel, Add	*6.32*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	26.88	10.72
		For Stainless Steel, Add	*7.07*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	26.88	10.72
		For Stainless Steel, Add	*7.07*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	27.20	11.46
		For Stainless Steel, Add	*5.56*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	28.80	12.19
		For Stainless Steel, Add	*5.72*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	31.79	12.19
		For Stainless Steel, Add	*9.61*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	33.26	12.94
		For Stainless Steel, Add	*9.61*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	15.36	6.66
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.00*	
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.67*	
		For Elevated Installation >20' To 25', Add	*3.34*	
		For Elevated Installation >25' To 30', Add	*4.67*	
		For Elevated Installation >30' To 35', Add	*5.34*	
		For Elevated Installation >35' To 40', Add	*6.67*	
		For Elevated Installation >40', Add	*7.34*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	14.17	6.86
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.33*	
		For Work In Restricted Working Space, Add	*4.12*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.74*	
		For Elevated Installation >20' To 25', Add	*3.43*	
		For Elevated Installation >25' To 30', Add	*4.80*	
		For Elevated Installation >30' To 35', Add	*5.49*	
		For Elevated Installation >35' To 40', Add	*6.86*	
		For Elevated Installation >40', Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 31 16 Nonmetal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	6.81	1.37
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	8.00	1.51
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	9.27	1.66

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Round Fiber Reinforced Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Round Fiber Reinforced Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	12.04	3.73
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	15.11	4.36
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	20.43	6.41
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	27.14	8.10
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	34.42	10.14
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	41.52	12.18
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	46.67	14.23
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	53.34	15.57
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	57.69	16.56
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	72.03	18.59
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	75.71	19.93
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	93.88	21.27
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	107.48	24.65
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	123.90	29.73
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	166.68	33.10
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	186.72	37.19
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	207.23	42.62
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	234.99	49.73
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	250.93	60.86
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	306.18	74.38

23 31 16 16-0023 Fiber Reinforced Plastic Bell *(23 31 16 16-0001)*

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	49.15	15.15
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	59.52	17.96
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	68.21	21.13
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	89.37	28.18
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	108.18	35.22
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	124.63	42.26
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	154.49	52.47
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	165.53	56.35
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	179.41	60.22
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	193.29	64.80
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	211.64	70.44
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	249.32	77.48
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	294.06	84.52
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	334.07	95.09
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	374.08	105.65
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	414.07	116.22
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	517.63	140.87
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	611.66	176.09
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	733.95	211.31
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	842.29	239.48

23 31 16 16-0044 Fiber Reinforced Plastic Flange *(23 31 16 16-0001)*

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	86.89	15.15
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	99.62	17.96
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	113.03	21.13
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	145.99	28.18
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	176.59	35.22
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	207.19	42.26
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	241.77	52.47
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	271.69	56.35
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	297.36	60.22
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	315.95	64.80
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	329.58	70.44
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	390.85	77.48
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	430.88	84.52
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	539.30	95.09
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	600.54	105.65
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	685.34	116.22
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	800.70	140.87
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	948.98	176.09
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,097.23	211.31
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,257.46	239.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	138.70	36.49
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	162.33	43.60
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	188.31	50.71
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	242.43	67.62
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	296.56	84.52
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	350.70	101.43
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	429.58	126.15
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	493.86	133.54
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	567.27	145.03
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	688.54	155.52
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	800.75	169.05
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	935.07	185.95
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,293.46	202.86
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,677.81	228.21
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,239.03	253.64
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,670.56	279.00
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,158.27	338.09
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	3,818.11	422.61
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,477.67	507.00
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,109.19	574.55
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	112.76	36.49
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	131.66	43.60
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	152.92	50.71
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	190.53	67.62
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	228.15	84.52
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	270.54	101.43
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	332.91	126.15
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	364.07	133.54
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	444.48	144.96
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	518.89	155.66
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	607.27	169.05
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	705.94	185.81
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	915.78	202.72
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,133.22	228.42
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,467.97	253.78
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,738.80	279.00
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,068.46	338.09
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,468.82	422.61
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	2,895.58	506.01
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,270.29	575.11
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	173.29	54.45
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	203.67	65.57
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	232.93	76.07
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	298.80	101.43
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	363.53	126.15
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	431.60	152.84
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	521.07	185.25
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	570.02	200.46
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	669.58	217.79
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	766.22	233.28
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	894.46	253.64
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,031.13	279.00
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,250.08	304.21
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,514.35	342.46
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,049.44	380.50
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,466.84	418.60
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	2,968.78	507.49
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	3,533.80	634.21
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,098.43	760.64
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	4,621.99	862.49
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	137.90	54.45
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	161.19	65.57
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	183.41	76.07
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	230.44	101.43
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	276.30	126.15
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	330.20	152.84
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	393.85	185.39
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	428.18	200.32
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	471.59	217.86
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	511.81	233.49
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	559.80	253.78
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	620.68	279.00
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	688.38	304.07
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	778.01	342.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	870.45	380.71
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	956.87	418.46
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,138.20	506.01
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,377.32	635.33
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	1,669.67	761.20
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	1,862.07	862.49

23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer *(23 31 16 16-0001)*

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	122.21	36.56
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	143.50	43.68
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	169.48	50.71
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	216.48	67.62
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	258.81	84.52
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	311.25	101.85
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	365.94	126.15
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	392.38	133.54
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	435.04	144.96
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	481.15	155.66
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	541.22	169.05
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	621.66	186.16
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	701.91	203.21
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	795.90	228.42
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	890.04	253.78
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,007.54	279.00
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,188.59	338.09
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,404.95	422.61
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,551.01	506.01
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,737.01	575.11

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer *(23 31 16 16-0001)*

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	150.52	36.56
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	162.37	43.68
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	188.35	50.71
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	242.43	67.62
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	296.56	84.52
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	351.36	101.85
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	417.83	126.15
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	458.43	133.54
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	501.09	144.96
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	570.78	155.66
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	739.37	169.05
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	911.81	186.16
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	975.54	203.21
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,111.99	228.42
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,201.42	253.78
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,314.19	279.00
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,436.27	338.09
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,638.48	422.61
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	1,810.49	506.01
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	1,972.90	575.11

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)*

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	284.95	36.49
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	320.37	43.60
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	355.79	50.71
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	419.35	67.62
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	494.71	84.52
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	558.28	101.43
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	634.80	126.15
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	706.16	133.54
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	784.29	145.03
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	860.74	155.52
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	918.69	169.05
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,041.22	185.95
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,210.90	202.86
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,394.74	228.21
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,602.13	253.64
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	1,785.97	279.00
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	2,096.76	338.09
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,449.95	422.61
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	2,779.26	507.00
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	3,198.49	574.55

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction *(23 33 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	39.52	5.92
		For Stainless Steel, Add	*21.55*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	43.44	6.65
		For Stainless Steel, Add	*21.87*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	47.93	7.40
		For Stainless Steel, Add	*22.09*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	52.17	8.87
		For Stainless Steel, Add	*23.48*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	57.13	9.61
		For Stainless Steel, Add	*24.86*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	66.01	10.35
		For Stainless Steel, Add	*31.76*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	72.44	11.09
		For Stainless Steel, Add	*34.52*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	76.89	12.57
		For Stainless Steel, Add	*35.89*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	84.02	13.30
		For Stainless Steel, Add	*40.04*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	96.10	14.78
		For Stainless Steel, Add	*49.71*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	104.02	14.78
		For Stainless Steel, Add	*56.60*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	117.52	17.00
		For Stainless Steel, Add	*66.27*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	125.58	17.74
		For Stainless Steel, Add	*72.22*	

23 33 13 13-0015 Rectangular Opposed Blade Damper *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	62.45	8.24
		For Stainless Steel, Add	*49.05*	
		For Parallel Blade Damper, Add	*15.09*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	66.25	8.61
		For Stainless Steel, Add	*52.53*	
		For Parallel Blade Damper, Add	*16.16*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.10	8.68
		For Stainless Steel, Add	*56.04*	
		For Parallel Blade Damper, Add	*17.24*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.10	8.68
		For Stainless Steel, Add	*56.04*	
		For Parallel Blade Damper, Add	*17.24*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	72.53	8.91
		For Stainless Steel, Add	*59.54*	
		For Parallel Blade Damper, Add	*18.32*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.88	9.87
		For Stainless Steel, Add	*66.53*	
		For Parallel Blade Damper, Add	*20.47*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	72.53	8.91
		For Stainless Steel, Add	*59.54*	
		For Parallel Blade Damper, Add	*18.32*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.40	9.43
		For Stainless Steel, Add	*66.53*	
		For Parallel Blade Damper, Add	*20.47*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.60	9.87
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.02	11.14
		For Stainless Steel, Add	*73.58*	
		For Parallel Blade Damper, Add	*22.64*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	78.07	9.43
		For Stainless Steel, Add	*64.81*	
		For Parallel Blade Damper, Add	*19.94*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.60	9.87
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	87.79	10.40
		For Stainless Steel, Add	*73.58*	
		For Parallel Blade Damper, Add	*22.64*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.71	11.14
		For Stainless Steel, Add	*77.08*	
		For Parallel Blade Damper, Add	*23.72*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.14	12.40
		For Stainless Steel, Add	*85.83*	
		For Parallel Blade Damper, Add	*26.41*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.60	9.87
		For Stainless Steel, Add	*70.07*	
		For Parallel Blade Damper, Add	*21.56*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	88.53	10.62
		For Stainless Steel, Add	*73.58*	
		For Parallel Blade Damper, Add	*22.64*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	94.19	11.66
		For Stainless Steel, Add	*77.08*	
		For Parallel Blade Damper, Add	*23.72*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	99.09	12.40
		For Stainless Steel, Add	*80.56*	
		For Parallel Blade Damper, Add	*24.79*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.58	13.59
		For Stainless Steel, Add	*89.36*	
		For Parallel Blade Damper, Add	*27.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.01	14.85
		For Stainless Steel, Add	*98.10*	
		For Parallel Blade Damper, Add	*30.18*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	87.79	10.40
		For Stainless Steel, Add	*73.58*	
		For Parallel Blade Damper, Add	*22.64*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	94.04	11.14
		For Stainless Steel, Add	*78.81*	
		For Parallel Blade Damper, Add	*24.25*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.81	12.40
		For Stainless Steel, Add	*84.10*	
		For Parallel Blade Damper, Add	*25.88*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	112.27	13.59
		For Stainless Steel, Add	*92.86*	
		For Parallel Blade Damper, Add	*28.57*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	121.36	14.85
		For Stainless Steel, Add	*99.85*	
		For Parallel Blade Damper, Add	*30.72*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	131.80	16.04
		For Stainless Steel, Add	*108.59*	
		For Parallel Blade Damper, Add	*33.41*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.55	17.30
		For Stainless Steel, Add	*113.85*	
		For Parallel Blade Damper, Add	*35.03*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.71	11.14
		For Stainless Steel, Add	*77.08*	
		For Parallel Blade Damper, Add	*23.72*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.79	12.40
		For Stainless Steel, Add	*84.07*	
		For Parallel Blade Damper, Add	*25.87*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	110.91	13.59
		For Stainless Steel, Add	*91.09*	
		For Parallel Blade Damper, Add	*28.03*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	125.41	14.85
		For Stainless Steel, Add	*105.12*	
		For Parallel Blade Damper, Add	*32.34*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	133.17	16.04
		For Stainless Steel, Add	*110.37*	
		For Parallel Blade Damper, Add	*33.96*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.92	17.30
		For Stainless Steel, Add	*115.64*	
		For Parallel Blade Damper, Add	*35.58*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.02	18.57
		For Stainless Steel, Add	*122.63*	
		For Parallel Blade Damper, Add	*37.73*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.11	19.76
		For Stainless Steel, Add	*129.61*	
		For Parallel Blade Damper, Add	*39.88*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.49	12.40
		For Stainless Steel, Add	*87.58*	
		For Parallel Blade Damper, Add	*26.95*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.30	13.59
		For Stainless Steel, Add	*98.10*	
		For Parallel Blade Damper, Add	*30.18*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	125.41	14.85
		For Stainless Steel, Add	*105.12*	
		For Parallel Blade Damper, Add	*32.34*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	137.22	16.04
		For Stainless Steel, Add	*115.64*	
		For Parallel Blade Damper, Add	*35.58*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.95	17.30
		For Stainless Steel, Add	*120.87*	
		For Parallel Blade Damper, Add	*37.19*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.71	18.57
		For Stainless Steel, Add	*126.13*	
		For Parallel Blade Damper, Add	*38.81*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.51	19.76
		For Stainless Steel, Add	*136.63*	
		For Parallel Blade Damper, Add	*42.04*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.00	22.27
		For Stainless Steel, Add	*147.12*	
		For Parallel Blade Damper, Add	*45.27*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.24	24.72
		For Stainless Steel, Add	*161.17*	
		For Parallel Blade Damper, Add	*49.59*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.30	13.59
		For Stainless Steel, Add	*98.10*	
		For Parallel Blade Damper, Add	*30.18*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	125.41	14.85
		For Stainless Steel, Add	*105.12*	
		For Parallel Blade Damper, Add	*32.34*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	137.22	16.04
		For Stainless Steel, Add	*115.64*	
		For Parallel Blade Damper, Add	*35.58*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.30	17.30
		For Stainless Steel, Add	*122.63*	
		For Parallel Blade Damper, Add	*37.73*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.74	18.57
		For Stainless Steel, Add	*131.37*	
		For Parallel Blade Damper, Add	*40.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.19	19.76
		For Stainless Steel, Add	*140.11*	
		For Parallel Blade Damper, Add	*43.11*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.70	22.27
		For Stainless Steel, Add	*150.63*	
		For Parallel Blade Damper, Add	*46.35*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.24	24.72
		For Stainless Steel, Add	*161.17*	
		For Parallel Blade Damper, Add	*49.59*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.10	25.99
		For Stainless Steel, Add	*182.17*	
		For Parallel Blade Damper, Add	*56.05*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.99	28.44
		For Stainless Steel, Add	*199.68*	
		For Parallel Blade Damper, Add	*61.44*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	133.50	14.85
		For Stainless Steel, Add	*115.64*	
		For Parallel Blade Damper, Add	*35.58*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.90	16.04
		For Stainless Steel, Add	*119.12*	
		For Parallel Blade Damper, Add	*36.65*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.30	17.30
		For Stainless Steel, Add	*122.63*	
		For Parallel Blade Damper, Add	*37.73*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.39	18.57
		For Stainless Steel, Add	*129.61*	
		For Parallel Blade Damper, Add	*39.88*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.71	19.76
		For Stainless Steel, Add	*140.79*	
		For Parallel Blade Damper, Add	*43.32*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.70	22.27
		For Stainless Steel, Add	*150.63*	
		For Parallel Blade Damper, Add	*46.35*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.94	24.72
		For Stainless Steel, Add	*164.68*	
		For Parallel Blade Damper, Add	*50.67*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.13	27.18
		For Stainless Steel, Add	*178.69*	
		For Parallel Blade Damper, Add	*54.98*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.99	28.44
		For Stainless Steel, Add	*199.68*	
		For Parallel Blade Damper, Add	*61.44*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	263.81	30.44
		For Stainless Steel, Add	*224.22*	
		For Parallel Blade Damper, Add	*68.99*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	290.58	32.15
		For Stainless Steel, Add	*252.27*	
		For Parallel Blade Damper, Add	*77.62*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.29	16.04
		For Stainless Steel, Add	*126.13*	
		For Parallel Blade Damper, Add	*38.81*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.37	17.30
		For Stainless Steel, Add	*133.12*	
		For Parallel Blade Damper, Add	*40.96*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	163.47	18.57
		For Stainless Steel, Add	*140.11*	
		For Parallel Blade Damper, Add	*43.11*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.28	19.76
		For Stainless Steel, Add	*150.63*	
		For Parallel Blade Damper, Add	*46.35*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.77	22.27
		For Stainless Steel, Add	*155.92*	
		For Parallel Blade Damper, Add	*47.98*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.52	23.46
		For Stainless Steel, Add	*161.17*	
		For Parallel Blade Damper, Add	*49.59*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.13	27.18
		For Stainless Steel, Add	*178.69*	
		For Parallel Blade Damper, Add	*54.98*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.01	29.70
		For Stainless Steel, Add	*196.17*	
		For Parallel Blade Damper, Add	*60.36*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	259.17	30.67
		For Stainless Steel, Add	*217.22*	
		For Parallel Blade Damper, Add	*66.84*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	287.39	32.89
		For Stainless Steel, Add	*245.22*	
		For Parallel Blade Damper, Add	*75.45*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	311.46	34.61
		For Stainless Steel, Add	*269.75*	
		For Parallel Blade Damper, Add	*83.00*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.73	35.86
		For Stainless Steel, Add	*297.78*	
		For Parallel Blade Damper, Add	*91.62*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.67	18.57
		For Stainless Steel, Add	*129.61*	
		For Parallel Blade Damper, Add	*39.88*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	166.16	19.76
		For Stainless Steel, Add	*143.61*	
		For Parallel Blade Damper, Add	*44.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.58	21.02
		For Stainless Steel, Add	*147.12*	
		For Parallel Blade Damper, Add	*45.27*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.99	22.27
		For Stainless Steel, Add	*150.63*	
		For Parallel Blade Damper, Add	*46.35*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.85	23.46
		For Stainless Steel, Add	*162.90*	
		For Parallel Blade Damper, Add	*50.12*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.01	24.72
		For Stainless Steel, Add	*175.18*	
		For Parallel Blade Damper, Add	*53.90*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.92	28.44
		For Stainless Steel, Add	*189.19*	
		For Parallel Blade Damper, Add	*58.21*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.14	30.89
		For Stainless Steel, Add	*203.22*	
		For Parallel Blade Damper, Add	*62.53*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	271.24	32.89
		For Stainless Steel, Add	*224.22*	
		For Parallel Blade Damper, Add	*68.99*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.08	34.61
		For Stainless Steel, Add	*262.76*	
		For Parallel Blade Damper, Add	*80.85*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	328.17	36.61
		For Stainless Steel, Add	*283.75*	
		For Parallel Blade Damper, Add	*87.31*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.79	37.58
		For Stainless Steel, Add	*322.31*	
		For Parallel Blade Damper, Add	*99.17*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.69	39.58
		For Stainless Steel, Add	*357.34*	
		For Parallel Blade Damper, Add	*109.95*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.79	18.57
		For Stainless Steel, Add	*136.63*	
		For Parallel Blade Damper, Add	*42.04*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.28	19.76
		For Stainless Steel, Add	*150.63*	
		For Parallel Blade Damper, Add	*46.35*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.10	21.02
		For Stainless Steel, Add	*161.17*	
		For Parallel Blade Damper, Add	*49.59*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.51	22.27
		For Stainless Steel, Add	*164.68*	
		For Parallel Blade Damper, Add	*50.67*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.99	23.46
		For Stainless Steel, Add	*178.69*	
		For Parallel Blade Damper, Add	*54.98*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.48	24.72
		For Stainless Steel, Add	*192.69*	
		For Parallel Blade Damper, Add	*59.29*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.82	29.70
		For Stainless Steel, Add	*210.22*	
		For Parallel Blade Damper, Add	*64.68*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	271.69	32.15
		For Stainless Steel, Add	*227.71*	
		For Parallel Blade Damper, Add	*70.06*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.08	34.61
		For Stainless Steel, Add	*262.76*	
		For Parallel Blade Damper, Add	*80.85*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.76	37.12
		For Stainless Steel, Add	*294.29*	
		For Parallel Blade Damper, Add	*90.55*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	372.11	39.58
		For Stainless Steel, Add	*329.29*	
		For Parallel Blade Damper, Add	*101.32*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.08	40.76
		For Stainless Steel, Add	*360.83*	
		For Parallel Blade Damper, Add	*111.02*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.05	42.03
		For Stainless Steel, Add	*392.37*	
		For Parallel Blade Damper, Add	*120.73*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	456.03	43.29
		For Stainless Steel, Add	*423.90*	
		For Parallel Blade Damper, Add	*130.43*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.58	19.76
		For Stainless Steel, Add	*147.12*	
		For Parallel Blade Damper, Add	*45.27*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.10	21.02
		For Stainless Steel, Add	*161.17*	
		For Parallel Blade Damper, Add	*49.59*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.51	22.27
		For Stainless Steel, Add	*164.68*	
		For Parallel Blade Damper, Add	*50.67*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.01	24.72
		For Stainless Steel, Add	*175.18*	
		For Parallel Blade Damper, Add	*53.90*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.21	27.18
		For Stainless Steel, Add	*189.19*	
		For Parallel Blade Damper, Add	*58.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.43	29.70
		For Stainless Steel, Add	*203.22*	
		For Parallel Blade Damper, Add	*62.53*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.01	32.15
		For Stainless Steel, Add	*224.22*	
		For Parallel Blade Damper, Add	*68.99*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.59	34.61
		For Stainless Steel, Add	*245.22*	
		For Parallel Blade Damper, Add	*75.45*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.27	37.12
		For Stainless Steel, Add	*276.76*	
		For Parallel Blade Damper, Add	*85.16*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	361.34	39.58
		For Stainless Steel, Add	*315.29*	
		For Parallel Blade Damper, Add	*97.01*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.33	40.76
		For Stainless Steel, Add	*346.85*	
		For Parallel Blade Damper, Add	*106.72*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	425.36	42.03
		For Stainless Steel, Add	*388.87*	
		For Parallel Blade Damper, Add	*119.65*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	457.05	44.48
		For Stainless Steel, Add	*420.41*	
		For Parallel Blade Damper, Add	*129.36*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	493.09	45.74
		For Stainless Steel, Add	*462.44*	
		For Parallel Blade Damper, Add	*142.29*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	525.79	49.46
		For Stainless Steel, Add	*490.46*	
		For Parallel Blade Damper, Add	*150.91*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.40	21.02
		For Stainless Steel, Add	*157.66*	
		For Parallel Blade Damper, Add	*48.51*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.89	22.27
		For Stainless Steel, Add	*171.68*	
		For Parallel Blade Damper, Add	*52.82*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.09	24.72
		For Stainless Steel, Add	*185.68*	
		For Parallel Blade Damper, Add	*57.13*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.21	27.18
		For Stainless Steel, Add	*189.19*	
		For Parallel Blade Damper, Add	*58.21*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.78	29.70
		For Stainless Steel, Add	*204.97*	
		For Parallel Blade Damper, Add	*63.07*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	266.32	32.15
		For Stainless Steel, Add	*220.73*	
		For Parallel Blade Damper, Add	*67.92*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.91	34.61
		For Stainless Steel, Add	*241.74*	
		For Parallel Blade Damper, Add	*74.38*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.50	37.12
		For Stainless Steel, Add	*262.76*	
		For Parallel Blade Damper, Add	*80.85*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	345.19	39.58
		For Stainless Steel, Add	*294.29*	
		For Parallel Blade Damper, Add	*90.55*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.93	42.03
		For Stainless Steel, Add	*336.31*	
		For Parallel Blade Damper, Add	*103.48*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.59	43.29
		For Stainless Steel, Add	*371.33*	
		For Parallel Blade Damper, Add	*114.26*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.35	44.48
		For Stainless Steel, Add	*416.90*	
		For Parallel Blade Damper, Add	*128.28*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.08	47.01
		For Stainless Steel, Add	*458.90*	
		For Parallel Blade Damper, Add	*141.20*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	525.79	49.46
		For Stainless Steel, Add	*490.46*	
		For Parallel Blade Damper, Add	*150.91*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	569.27	53.16
		For Stainless Steel, Add	*532.51*	
		For Parallel Blade Damper, Add	*163.85*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	603.65	55.62
		For Stainless Steel, Add	*567.55*	
		For Parallel Blade Damper, Add	*174.63*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.51	22.27
		For Stainless Steel, Add	*164.68*	
		For Parallel Blade Damper, Add	*50.67*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.39	24.72
		For Stainless Steel, Add	*182.17*	
		For Parallel Blade Damper, Add	*56.05*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.90	27.18
		For Stainless Steel, Add	*192.69*	
		For Parallel Blade Damper, Add	*59.29*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.01	29.70
		For Stainless Steel, Add	*196.17*	
		For Parallel Blade Damper, Add	*60.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.27	32.15
		For Stainless Steel, Add	*215.46*	
		For Parallel Blade Damper, Add	*66.30*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.52	34.61
		For Stainless Steel, Add	*234.73*	
		For Parallel Blade Damper, Add	*72.22*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.76	37.12
		For Stainless Steel, Add	*253.99*	
		For Parallel Blade Damper, Add	*78.15*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	329.01	39.58
		For Stainless Steel, Add	*273.26*	
		For Parallel Blade Damper, Add	*84.08*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	368.76	42.03
		For Stainless Steel, Add	*315.29*	
		For Parallel Blade Damper, Add	*97.01*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.83	43.29
		For Stainless Steel, Add	*357.34*	
		For Parallel Blade Damper, Add	*109.95*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	438.18	44.48
		For Stainless Steel, Add	*395.88*	
		For Parallel Blade Damper, Add	*121.81*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	483.33	47.01
		For Stainless Steel, Add	*444.93*	
		For Parallel Blade Damper, Add	*136.90*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	523.10	49.46
		For Stainless Steel, Add	*486.97*	
		For Parallel Blade Damper, Add	*149.84*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.55	51.90
		For Stainless Steel, Add	*532.51*	
		For Parallel Blade Damper, Add	*163.85*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	599.94	54.43
		For Stainless Steel, Add	*567.55*	
		For Parallel Blade Damper, Add	*174.63*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	642.39	56.88
		For Stainless Steel, Add	*613.09*	
		For Parallel Blade Damper, Add	*188.64*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	684.86	59.33
		For Stainless Steel, Add	*658.63*	
		For Parallel Blade Damper, Add	*202.66*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.01	24.72
		For Stainless Steel, Add	*175.18*	
		For Parallel Blade Damper, Add	*53.90*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.90	27.18
		For Stainless Steel, Add	*192.69*	
		For Parallel Blade Damper, Add	*59.29*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.71	29.70
		For Stainless Steel, Add	*199.68*	
		For Parallel Blade Damper, Add	*61.44*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.85	32.15
		For Stainless Steel, Add	*203.22*	
		For Parallel Blade Damper, Add	*62.53*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	276.44	34.61
		For Stainless Steel, Add	*224.22*	
		For Parallel Blade Damper, Add	*68.99*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	300.01	37.12
		For Stainless Steel, Add	*245.22*	
		For Parallel Blade Damper, Add	*75.45*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.96	39.58
		For Stainless Steel, Add	*268.00*	
		For Parallel Blade Damper, Add	*82.46*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.90	42.03
		For Stainless Steel, Add	*290.77*	
		For Parallel Blade Damper, Add	*89.47*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	388.65	43.29
		For Stainless Steel, Add	*336.31*	
		For Parallel Blade Damper, Add	*103.48*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.69	44.48
		For Stainless Steel, Add	*378.34*	
		For Parallel Blade Damper, Add	*116.41*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.16	47.01
		For Stainless Steel, Add	*423.90*	
		For Parallel Blade Damper, Add	*130.43*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	509.63	49.46
		For Stainless Steel, Add	*469.46*	
		For Parallel Blade Damper, Add	*144.45*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	543.99	51.90
		For Stainless Steel, Add	*504.48*	
		For Parallel Blade Damper, Add	*155.22*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	594.52	54.43
		For Stainless Steel, Add	*560.51*	
		For Parallel Blade Damper, Add	*172.46*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	639.67	56.88
		For Stainless Steel, Add	*609.56*	
		For Parallel Blade Damper, Add	*187.56*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	684.86	59.33
		For Stainless Steel, Add	*658.63*	
		For Parallel Blade Damper, Add	*202.66*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	724.58	61.86
		For Stainless Steel, Add	*700.62*	
		For Parallel Blade Damper, Add	*215.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	764.38	64.30
		For Stainless Steel, Add	*742.70*	
		For Parallel Blade Damper, Add	*228.52*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	49.60	8.02
		For Smoke Damper, Add	*21.65*	
		For Horizontal, Add	*3.82*	
		For Dynamic Damper, Add	*5.73*	
		For 3 Hour Rated, Add	*5.09*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	63.50	8.02
		For Smoke Damper, Add	*33.46*	
		For Horizontal, Add	*5.91*	
		For Dynamic Damper, Add	*8.86*	
		For 3 Hour Rated, Add	*7.87*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	41.12	8.24
		For Horizontal, Add	*2.46*	
		For Dynamic Damper, Add	*3.69*	
		For 3 Hour Rated, Add	*3.28*	
		For Damper Blades Outside Air Stream, Add	*4.92*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	43.40	8.61
		For Horizontal, Add	*2.63*	
		For Dynamic Damper, Add	*3.95*	
		For 3 Hour Rated, Add	*3.51*	
		For Damper Blades Outside Air Stream, Add	*5.27*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	44.73	8.68
		For Horizontal, Add	*2.81*	
		For Dynamic Damper, Add	*4.22*	
		For 3 Hour Rated, Add	*3.75*	
		For Damper Blades Outside Air Stream, Add	*5.62*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	44.73	8.68
		For Horizontal, Add	*2.81*	
		For Dynamic Damper, Add	*4.22*	
		For 3 Hour Rated, Add	*3.75*	
		For Damper Blades Outside Air Stream, Add	*5.62*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	46.64	8.91
		For Horizontal, Add	*2.99*	
		For Dynamic Damper, Add	*4.48*	
		For 3 Hour Rated, Add	*3.98*	
		For Damper Blades Outside Air Stream, Add	*5.97*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	51.95	9.87
		For Horizontal, Add	*3.34*	
		For Dynamic Damper, Add	*5.01*	
		For 3 Hour Rated, Add	*4.45*	
		For Damper Blades Outside Air Stream, Add	*6.68*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	46.64	8.91
		For Horizontal, Add	*2.99*	
		For Dynamic Damper, Add	*4.48*	
		For 3 Hour Rated, Add	*3.98*	
		For Damper Blades Outside Air Stream, Add	*5.97*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	50.47	9.43
		For Horizontal, Add	*3.34*	
		For Dynamic Damper, Add	*5.01*	
		For 3 Hour Rated, Add	*4.45*	
		For Damper Blades Outside Air Stream, Add	*6.68*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.12	9.87
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	58.02	11.14
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	49.89	9.43
		For Horizontal, Add	*3.25*	
		For Dynamic Damper, Add	*4.88*	
		For 3 Hour Rated, Add	*4.33*	
		For Damper Blades Outside Air Stream, Add	*6.50*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.12	9.87
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.79	10.40
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.19	11.14
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.82	12.40
		For Horizontal, Add	*4.31*	
		For Dynamic Damper, Add	*6.46*	
		For 3 Hour Rated, Add	*5.74*	
		For Damper Blades Outside Air Stream, Add	*8.61*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.12	9.87
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	56.53	10.62
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	60.67	11.66
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	64.05	12.40
		For Horizontal, Add	*4.04*	
		For Dynamic Damper, Add	*6.06*	
		For 3 Hour Rated, Add	*5.39*	
		For Damper Blades Outside Air Stream, Add	*8.08*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.71	13.59
		For Horizontal, Add	*4.48*	
		For Dynamic Damper, Add	*6.72*	
		For 3 Hour Rated, Add	*5.97*	
		For Damper Blades Outside Air Stream, Add	*8.96*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.35	14.85
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.79	10.40
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.77	11.14
		For Horizontal, Add	*3.95*	
		For Dynamic Damper, Add	*5.93*	
		For 3 Hour Rated, Add	*5.27*	
		For Damper Blades Outside Air Stream, Add	*7.91*	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.24	12.40
		For Horizontal, Add	*4.22*	
		For Dynamic Damper, Add	*6.33*	
		For 3 Hour Rated, Add	*5.62*	
		For Damper Blades Outside Air Stream, Add	*8.44*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.88	13.59
		For Horizontal, Add	*4.66*	
		For Dynamic Damper, Add	*6.98*	
		For 3 Hour Rated, Add	*6.21*	
		For Damper Blades Outside Air Stream, Add	*9.31*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.93	14.85
		For Horizontal, Add	*5.01*	
		For Dynamic Damper, Add	*7.51*	
		For 3 Hour Rated, Add	*6.68*	
		For Damper Blades Outside Air Stream, Add	*10.01*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.58	16.04
		For Horizontal, Add	*5.45*	
		For Dynamic Damper, Add	*8.17*	
		For 3 Hour Rated, Add	*7.26*	
		For Damper Blades Outside Air Stream, Add	*10.89*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.04	17.30
		For Horizontal, Add	*5.71*	
		For Dynamic Damper, Add	*8.57*	
		For 3 Hour Rated, Add	*7.61*	
		For Damper Blades Outside Air Stream, Add	*11.42*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.19	11.14
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.23	12.40
		For Horizontal, Add	*4.22*	
		For Dynamic Damper, Add	*6.32*	
		For 3 Hour Rated, Add	*5.62*	
		For Damper Blades Outside Air Stream, Add	*8.43*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.29	13.59
		For Horizontal, Add	*4.57*	
		For Dynamic Damper, Add	*6.85*	
		For 3 Hour Rated, Add	*6.09*	
		For Damper Blades Outside Air Stream, Add	*9.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.70	14.85
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.17	16.04
		For Horizontal, Add	*5.54*	
		For Dynamic Damper, Add	*8.30*	
		For 3 Hour Rated, Add	*7.38*	
		For Damper Blades Outside Air Stream, Add	*11.07*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.63	17.30
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.69	18.57
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.74	19.76
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.40	12.40
		For Horizontal, Add	*4.39*	
		For Dynamic Damper, Add	*6.59*	
		For 3 Hour Rated, Add	*5.86*	
		For Damper Blades Outside Air Stream, Add	*8.78*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	73.64	13.59
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.70	14.85
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.93	16.04
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.38	17.30
		For Horizontal, Add	*6.06*	
		For Dynamic Damper, Add	*9.09*	
		For 3 Hour Rated, Add	*8.08*	
		For Damper Blades Outside Air Stream, Add	*12.12*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.86	18.57
		For Horizontal, Add	*6.33*	
		For Dynamic Damper, Add	*9.49*	
		For 3 Hour Rated, Add	*8.43*	
		For Damper Blades Outside Air Stream, Add	*12.65*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.09	19.76
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.28*	
		For 3 Hour Rated, Add	*9.14*	
		For Damper Blades Outside Air Stream, Add	*13.70*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.02	22.27
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.15	24.72
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	73.64	13.59
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.70	14.85
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.93	16.04
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.97	17.30
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.62	18.57
		For Horizontal, Add	*6.59*	
		For Dynamic Damper, Add	*9.88*	
		For 3 Hour Rated, Add	*8.79*	
		For Damper Blades Outside Air Stream, Add	*13.18*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.26	19.76
		For Horizontal, Add	*7.03*	
		For Dynamic Damper, Add	*10.54*	
		For 3 Hour Rated, Add	*9.37*	
		For Damper Blades Outside Air Stream, Add	*14.06*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.20	22.27
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.15	24.72
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.88	25.99
		For Horizontal, Add	*9.14*	
		For Dynamic Damper, Add	*13.70*	
		For 3 Hour Rated, Add	*12.18*	
		For Damper Blades Outside Air Stream, Add	*18.27*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.16	28.44
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.21	14.85
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.09	16.04
		For Horizontal, Add	*5.97*	
		For Dynamic Damper, Add	*8.96*	
		For 3 Hour Rated, Add	*7.96*	
		For Damper Blades Outside Air Stream, Add	*11.95*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.97	17.30
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.02	18.57
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.48	19.76
		For Horizontal, Add	*7.06*	
		For Dynamic Damper, Add	*10.59*	
		For 3 Hour Rated, Add	*9.41*	
		For Damper Blades Outside Air Stream, Add	*14.12*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.20	22.27
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.32	24.72
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.42	27.18
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.16	28.44
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.30	30.44
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.87	32.15
		For Horizontal, Add	*12.65*	
		For Dynamic Damper, Add	*18.98*	
		For 3 Hour Rated, Add	*16.87*	
		For Damper Blades Outside Air Stream, Add	*25.30*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.44	16.04
		For Horizontal, Add	*6.33*	
		For Dynamic Damper, Add	*9.49*	
		For 3 Hour Rated, Add	*8.43*	
		For Damper Blades Outside Air Stream, Add	*12.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.48	17.30
		For Horizontal, Add	*6.68*	
		For Dynamic Damper, Add	*10.01*	
		For 3 Hour Rated, Add	*8.90*	
		For Damper Blades Outside Air Stream, Add	*13.35*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.54	18.57
		For Horizontal, Add	*7.03*	
		For Dynamic Damper, Add	*10.54*	
		For 3 Hour Rated, Add	*9.37*	
		For Damper Blades Outside Air Stream, Add	*14.06*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.78	19.76
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.96	22.27
		For Horizontal, Add	*7.82*	
		For Dynamic Damper, Add	*11.73*	
		For 3 Hour Rated, Add	*10.43*	
		For Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.43	23.46
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.42	27.18
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.70	29.70
		For Horizontal, Add	*9.84*	
		For Dynamic Damper, Add	*14.76*	
		For 3 Hour Rated, Add	*13.12*	
		For Damper Blades Outside Air Stream, Add	*19.68*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.58	30.67
		For Horizontal, Add	*6.23*	
		For Dynamic Damper, Add	*9.34*	
		For 3 Hour Rated, Add	*8.30*	
		For Damper Blades Outside Air Stream, Add	*12.45*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.75	32.89
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.15	34.61
		For Horizontal, Add	*13.53*	
		For Dynamic Damper, Add	*20.29*	
		For 3 Hour Rated, Add	*18.04*	
		For Damper Blades Outside Air Stream, Add	*27.06*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.23	35.86
		For Horizontal, Add	*14.93*	
		For Dynamic Damper, Add	*22.40*	
		For 3 Hour Rated, Add	*19.91*	
		For Damper Blades Outside Air Stream, Add	*29.87*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.30	18.57
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.71	19.76
		For Horizontal, Add	*7.20*	
		For Dynamic Damper, Add	*10.80*	
		For 3 Hour Rated, Add	*9.60*	
		For Damper Blades Outside Air Stream, Add	*14.41*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.60	21.02
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.49	22.27
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.01	23.46
		For Horizontal, Add	*8.17*	
		For Dynamic Damper, Add	*12.26*	
		For 3 Hour Rated, Add	*10.89*	
		For Damper Blades Outside Air Stream, Add	*16.34*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.83	24.72
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.64	28.44
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.76	30.89
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.73	32.89
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.81	34.61
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.77	36.61
		For Horizontal, Add	*14.23*	
		For Dynamic Damper, Add	*21.35*	
		For 3 Hour Rated, Add	*18.97*	
		For Damper Blades Outside Air Stream, Add	*28.46*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.62	37.58
		For Horizontal, Add	*16.16*	
		For Dynamic Damper, Add	*24.25*	
		For 3 Hour Rated, Add	*21.55*	
		For Damper Blades Outside Air Stream, Add	*32.33*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.29	39.58
		For Horizontal, Add	*17.92*	
		For Dynamic Damper, Add	*26.88*	
		For 3 Hour Rated, Add	*23.90*	
		For Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.37	18.57
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.28*	
		For 3 Hour Rated, Add	*9.14*	
		For Damper Blades Outside Air Stream, Add	*13.70*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.78	19.76
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.01	21.02
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.89	22.27
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.28	23.46
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.69	24.72
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.40	29.70
		For Horizontal, Add	*10.54*	
		For Dynamic Damper, Add	*15.82*	
		For 3 Hour Rated, Add	*14.06*	
		For Damper Blades Outside Air Stream, Add	*21.09*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.66	32.15
		For Horizontal, Add	*11.42*	
		For Dynamic Damper, Add	*17.13*	
		For 3 Hour Rated, Add	*15.23*	
		For Damper Blades Outside Air Stream, Add	*22.84*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.81	34.61
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.77	37.12
		For Horizontal, Add	*14.76*	
		For Dynamic Damper, Add	*22.14*	
		For 3 Hour Rated, Add	*19.68*	
		For Damper Blades Outside Air Stream, Add	*29.52*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.91	39.58
		For Horizontal, Add	*16.52*	
		For Dynamic Damper, Add	*24.77*	
		For 3 Hour Rated, Add	*22.02*	
		For Damper Blades Outside Air Stream, Add	*33.03*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.16	40.76
		For Horizontal, Add	*18.10*	
		For Dynamic Damper, Add	*27.14*	
		For 3 Hour Rated, Add	*24.13*	
		For Damper Blades Outside Air Stream, Add	*36.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.41	42.03
		For Horizontal, Add	*19.68*	
		For Dynamic Damper, Add	*29.52*	
		For 3 Hour Rated, Add	*26.24*	
		For Damper Blades Outside Air Stream, Add	*39.35*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.69	43.29
		For Horizontal, Add	*21.26*	
		For Dynamic Damper, Add	*31.89*	
		For 3 Hour Rated, Add	*28.35*	
		For Damper Blades Outside Air Stream, Add	*42.52*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.60	19.76
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.01	21.02
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.89	22.27
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.83	24.72
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.93	27.18
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.05	29.70
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.50	32.15
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.95	34.61
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.91	37.12
		For Horizontal, Add	*13.88*	
		For Dynamic Damper, Add	*20.82*	
		For 3 Hour Rated, Add	*18.51*	
		For Damper Blades Outside Air Stream, Add	*27.76*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.22	39.58
		For Horizontal, Add	*15.81*	
		For Dynamic Damper, Add	*23.72*	
		For 3 Hour Rated, Add	*21.08*	
		For Damper Blades Outside Air Stream, Add	*31.62*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.49	40.76
		For Horizontal, Add	*17.40*	
		For Dynamic Damper, Add	*26.09*	
		For 3 Hour Rated, Add	*23.19*	
		For Damper Blades Outside Air Stream, Add	*34.79*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.24	42.03
		For Horizontal, Add	*19.50*	
		For Dynamic Damper, Add	*29.25*	
		For 3 Hour Rated, Add	*26.00*	
		For Damper Blades Outside Air Stream, Add	*39.00*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.22	44.48
		For Horizontal, Add	*21.08*	
		For Dynamic Damper, Add	*31.63*	
		For 3 Hour Rated, Add	*28.11*	
		For Damper Blades Outside Air Stream, Add	*42.17*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.99	45.74
		For Horizontal, Add	*23.19*	
		For Dynamic Damper, Add	*34.79*	
		For 3 Hour Rated, Add	*30.92*	
		For Damper Blades Outside Air Stream, Add	*46.39*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.49	49.46
		For Horizontal, Add	*24.60*	
		For Dynamic Damper, Add	*36.90*	
		For 3 Hour Rated, Add	*32.80*	
		For Damper Blades Outside Air Stream, Add	*49.19*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.83	21.02
		For Horizontal, Add	*7.91*	
		For Dynamic Damper, Add	*11.86*	
		For 3 Hour Rated, Add	*10.54*	
		For Damper Blades Outside Air Stream, Add	*15.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.23	22.27
		For Horizontal, Add	*8.61*	
		For Dynamic Damper, Add	*12.92*	
		For 3 Hour Rated, Add	*11.48*	
		For Damper Blades Outside Air Stream, Add	*17.22*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.34	24.72
		For Horizontal, Add	*9.31*	
		For Dynamic Damper, Add	*13.97*	
		For 3 Hour Rated, Add	*12.42*	
		For Damper Blades Outside Air Stream, Add	*18.62*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.93	27.18
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.64	29.70
		For Horizontal, Add	*10.28*	
		For Dynamic Damper, Add	*15.42*	
		For 3 Hour Rated, Add	*13.71*	
		For Damper Blades Outside Air Stream, Add	*20.56*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.33	32.15
		For Horizontal, Add	*11.07*	
		For Dynamic Damper, Add	*16.61*	
		For 3 Hour Rated, Add	*14.76*	
		For Damper Blades Outside Air Stream, Add	*22.14*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.79	34.61
		For Horizontal, Add	*12.12*	
		For Dynamic Damper, Add	*18.19*	
		For 3 Hour Rated, Add	*16.17*	
		For Damper Blades Outside Air Stream, Add	*24.25*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.23	37.12
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.20	39.58
		For Horizontal, Add	*14.76*	
		For Dynamic Damper, Add	*22.14*	
		For 3 Hour Rated, Add	*19.68*	
		For Damper Blades Outside Air Stream, Add	*29.52*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.68	42.03
		For Horizontal, Add	*16.87*	
		For Dynamic Damper, Add	*25.30*	
		For 3 Hour Rated, Add	*22.49*	
		For Damper Blades Outside Air Stream, Add	*33.74*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.10	43.29
		For Horizontal, Add	*18.62*	
		For Dynamic Damper, Add	*27.93*	
		For 3 Hour Rated, Add	*24.83*	
		For Damper Blades Outside Air Stream, Add	*37.25*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.05	44.48
		For Horizontal, Add	*20.91*	
		For Dynamic Damper, Add	*31.36*	
		For 3 Hour Rated, Add	*27.88*	
		For Damper Blades Outside Air Stream, Add	*41.82*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.51	47.01
		For Horizontal, Add	*23.01*	
		For Dynamic Damper, Add	*34.52*	
		For 3 Hour Rated, Add	*30.69*	
		For Damper Blades Outside Air Stream, Add	*46.03*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.49	49.46
		For Horizontal, Add	*24.60*	
		For Dynamic Damper, Add	*36.90*	
		For 3 Hour Rated, Add	*32.80*	
		For Damper Blades Outside Air Stream, Add	*49.19*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.69	53.16
		For Horizontal, Add	*26.71*	
		For Dynamic Damper, Add	*40.06*	
		For 3 Hour Rated, Add	*35.61*	
		For Damper Blades Outside Air Stream, Add	*53.41*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.82	55.62
		For Horizontal, Add	*28.46*	
		For Dynamic Damper, Add	*42.69*	
		For 3 Hour Rated, Add	*37.95*	
		For Damper Blades Outside Air Stream, Add	*56.93*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.89	22.27
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.17	24.72
		For Horizontal, Add	*9.14*	
		For Dynamic Damper, Add	*13.70*	
		For 3 Hour Rated, Add	*12.18*	
		For Damper Blades Outside Air Stream, Add	*18.27*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.11	27.18
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.70	29.70
		For Horizontal, Add	*9.84*	
		For Dynamic Damper, Add	*14.76*	
		For 3 Hour Rated, Add	*13.12*	
		For Damper Blades Outside Air Stream, Add	*19.68*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.57	32.15
		For Horizontal, Add	*10.81*	
		For Dynamic Damper, Add	*16.21*	
		For 3 Hour Rated, Add	*14.41*	
		For Damper Blades Outside Air Stream, Add	*21.61*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.44	34.61
		For Horizontal, Add	*11.77*	
		For Dynamic Damper, Add	*17.66*	
		For 3 Hour Rated, Add	*15.70*	
		For Damper Blades Outside Air Stream, Add	*23.54*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.30	37.12
		For Horizontal, Add	*12.74*	
		For Dynamic Damper, Add	*19.11*	
		For 3 Hour Rated, Add	*16.98*	
		For Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.17	39.58
		For Horizontal, Add	*13.70*	
		For Dynamic Damper, Add	*20.56*	
		For 3 Hour Rated, Add	*18.27*	
		For Damper Blades Outside Air Stream, Add	*27.41*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.64	42.03
		For Horizontal, Add	*15.81*	
		For Dynamic Damper, Add	*23.72*	
		For 3 Hour Rated, Add	*21.08*	
		For Damper Blades Outside Air Stream, Add	*31.62*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.43	43.29
		For Horizontal, Add	*17.92*	
		For Dynamic Damper, Add	*26.88*	
		For 3 Hour Rated, Add	*23.90*	
		For Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.02	44.48
		For Horizontal, Add	*19.85*	
		For Dynamic Damper, Add	*29.78*	
		For 3 Hour Rated, Add	*26.47*	
		For Damper Blades Outside Air Stream, Add	*39.71*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.84	47.01
		For Horizontal, Add	*22.31*	
		For Dynamic Damper, Add	*33.47*	
		For 3 Hour Rated, Add	*29.75*	
		For Damper Blades Outside Air Stream, Add	*44.63*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.32	49.46
		For Horizontal, Add	*24.42*	
		For Dynamic Damper, Add	*36.63*	
		For 3 Hour Rated, Add	*32.56*	
		For Damper Blades Outside Air Stream, Add	*48.84*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.97	51.90
		For Horizontal, Add	*26.71*	
		For Dynamic Damper, Add	*40.06*	
		For 3 Hour Rated, Add	*35.61*	
		For Damper Blades Outside Air Stream, Add	*53.41*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.11	54.43
		For Horizontal, Add	*28.46*	
		For Dynamic Damper, Add	*42.69*	
		For 3 Hour Rated, Add	*37.95*	
		For Damper Blades Outside Air Stream, Add	*56.93*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.76	56.88
		For Horizontal, Add	*30.75*	
		For Dynamic Damper, Add	*46.12*	
		For 3 Hour Rated, Add	*41.00*	
		For Damper Blades Outside Air Stream, Add	*61.49*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.43	59.33
		For Horizontal, Add	*33.03*	
		For Dynamic Damper, Add	*49.55*	
		For 3 Hour Rated, Add	*44.04*	
		For Damper Blades Outside Air Stream, Add	*66.06*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.83	24.72
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.11	27.18
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.88	29.70
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.47	32.15
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.93	34.61
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.37	37.12
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.42	39.58
		For Horizontal, Add	*13.44*	
		For Dynamic Damper, Add	*20.16*	
		For 3 Hour Rated, Add	*17.92*	
		For Damper Blades Outside Air Stream, Add	*26.88*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.45	42.03
		For Horizontal, Add	*14.58*	
		For Dynamic Damper, Add	*21.87*	
		For 3 Hour Rated, Add	*19.44*	
		For Damper Blades Outside Air Stream, Add	*29.17*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.40	43.29
		For Horizontal, Add	*16.87*	
		For Dynamic Damper, Add	*25.30*	
		For 3 Hour Rated, Add	*22.49*	
		For Damper Blades Outside Air Stream, Add	*33.74*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.16	44.48
		For Horizontal, Add	*18.98*	
		For Dynamic Damper, Add	*28.46*	
		For 3 Hour Rated, Add	*25.30*	
		For Damper Blades Outside Air Stream, Add	*37.95*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.82	47.01
		For Horizontal, Add	*21.26*	
		For Dynamic Damper, Add	*31.89*	
		For 3 Hour Rated, Add	*28.35*	
		For Damper Blades Outside Air Stream, Add	*42.52*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.47	49.46
		For Horizontal, Add	*23.54*	
		For Dynamic Damper, Add	*35.32*	
		For 3 Hour Rated, Add	*31.39*	
		For Damper Blades Outside Air Stream, Add	*47.09*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.60	51.90
		For Horizontal, Add	*25.30*	
		For Dynamic Damper, Add	*37.95*	
		For 3 Hour Rated, Add	*33.73*	
		For Damper Blades Outside Air Stream, Add	*50.60*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.77	54.43
		For Horizontal, Add	*28.11*	
		For Dynamic Damper, Add	*42.17*	
		For 3 Hour Rated, Add	*37.48*	
		For Damper Blades Outside Air Stream, Add	*56.22*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.59	56.88
		For Horizontal, Add	*30.57*	
		For Dynamic Damper, Add	*45.86*	
		For 3 Hour Rated, Add	*40.76*	
		For Damper Blades Outside Air Stream, Add	*61.14*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.43	59.33
		For Horizontal, Add	*33.03*	
		For Dynamic Damper, Add	*49.55*	
		For 3 Hour Rated, Add	*44.04*	
		For Damper Blades Outside Air Stream, Add	*66.06*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.89	61.86
		For Horizontal, Add	*35.14*	
		For Dynamic Damper, Add	*52.71*	
		For 3 Hour Rated, Add	*46.85*	
		For Damper Blades Outside Air Stream, Add	*70.28*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.39	64.30
		For Horizontal, Add	*37.25*	
		For Dynamic Damper, Add	*55.87*	
		For 3 Hour Rated, Add	*49.66*	
		For Damper Blades Outside Air Stream, Add	*74.50*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	58.66	8.24
		For Horizontal, Add	*5.09*	
		For Dynamic Damper, Add	*7.64*	
		For 3 Hour Rated, Add	*6.79*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.23	8.61
		For Horizontal, Add	*5.31*	
		For Dynamic Damper, Add	*7.96*	
		For 3 Hour Rated, Add	*7.08*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.85	8.68
		For Horizontal, Add	*5.53*	
		For Dynamic Damper, Add	*8.29*	
		For 3 Hour Rated, Add	*7.37*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.85	8.68
		For Horizontal, Add	*5.53*	
		For Dynamic Damper, Add	*8.29*	
		For 3 Hour Rated, Add	*7.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.06	8.91
		For Horizontal, Add	*5.75*	
		For Dynamic Damper, Add	*8.62*	
		For 3 Hour Rated, Add	*7.67*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.95	9.87
		For Horizontal, Add	*6.19*	
		For Dynamic Damper, Add	*9.28*	
		For 3 Hour Rated, Add	*8.25*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.06	8.91
		For Horizontal, Add	*5.75*	
		For Dynamic Damper, Add	*8.62*	
		For 3 Hour Rated, Add	*7.67*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.47	9.43
		For Horizontal, Add	*6.19*	
		For Dynamic Damper, Add	*9.28*	
		For 3 Hour Rated, Add	*8.25*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.42	9.87
		For Horizontal, Add	*6.41*	
		For Dynamic Damper, Add	*9.61*	
		For 3 Hour Rated, Add	*8.54*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.60	11.14
		For Horizontal, Add	*6.63*	
		For Dynamic Damper, Add	*9.94*	
		For 3 Hour Rated, Add	*8.84*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	68.74	9.43
		For Horizontal, Add	*6.08*	
		For Dynamic Damper, Add	*9.12*	
		For 3 Hour Rated, Add	*8.10*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.42	9.87
		For Horizontal, Add	*6.41*	
		For Dynamic Damper, Add	*9.61*	
		For 3 Hour Rated, Add	*8.54*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.37	10.40
		For Horizontal, Add	*6.63*	
		For Dynamic Damper, Add	*9.94*	
		For 3 Hour Rated, Add	*8.84*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.06	11.14
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.27*	
		For 3 Hour Rated, Add	*9.13*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.43	12.40
		For Horizontal, Add	*7.40*	
		For Dynamic Damper, Add	*11.09*	
		For 3 Hour Rated, Add	*9.86*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.36	9.87
		For Horizontal, Add	*8.95*	
		For Dynamic Damper, Add	*13.42*	
		For 3 Hour Rated, Add	*11.93*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.23	10.62
		For Horizontal, Add	*9.20*	
		For Dynamic Damper, Add	*13.79*	
		For 3 Hour Rated, Add	*12.26*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.85	11.66
		For Horizontal, Add	*9.44*	
		For Dynamic Damper, Add	*14.16*	
		For 3 Hour Rated, Add	*12.59*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.70	12.40
		For Horizontal, Add	*9.69*	
		For Dynamic Damper, Add	*14.53*	
		For 3 Hour Rated, Add	*12.92*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.53	13.59
		For Horizontal, Add	*10.30*	
		For Dynamic Damper, Add	*15.46*	
		For 3 Hour Rated, Add	*13.74*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.34	14.85
		For Horizontal, Add	*10.92*	
		For Dynamic Damper, Add	*16.38*	
		For 3 Hour Rated, Add	*14.56*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.49	10.40
		For Horizontal, Add	*9.20*	
		For Dynamic Damper, Add	*13.79*	
		For 3 Hour Rated, Add	*12.26*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.18	11.14
		For Horizontal, Add	*9.56*	
		For Dynamic Damper, Add	*14.35*	
		For 3 Hour Rated, Add	*12.75*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.36	12.40
		For Horizontal, Add	*9.94*	
		For Dynamic Damper, Add	*14.90*	
		For 3 Hour Rated, Add	*13.25*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.17	13.59
		For Horizontal, Add	*10.55*	
		For Dynamic Damper, Add	*15.82*	
		For 3 Hour Rated, Add	*14.07*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.16	14.85
		For Horizontal, Add	*11.04*	
		For Dynamic Damper, Add	*16.56*	
		For 3 Hour Rated, Add	*14.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.98	16.04
		For Horizontal, Add	*11.66*	
		For Dynamic Damper, Add	*17.48*	
		For 3 Hour Rated, Add	*15.54*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.14	17.30
		For Horizontal, Add	*12.03*	
		For Dynamic Damper, Add	*18.04*	
		For 3 Hour Rated, Add	*16.03*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.37	11.14
		For Horizontal, Add	*9.44*	
		For Dynamic Damper, Add	*14.16*	
		For 3 Hour Rated, Add	*12.59*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.34	12.40
		For Horizontal, Add	*9.93*	
		For Dynamic Damper, Add	*14.90*	
		For 3 Hour Rated, Add	*13.24*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.35	13.59
		For Horizontal, Add	*10.43*	
		For Dynamic Damper, Add	*15.64*	
		For 3 Hour Rated, Add	*13.90*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.63	14.85
		For Horizontal, Add	*11.41*	
		For Dynamic Damper, Add	*17.12*	
		For 3 Hour Rated, Add	*15.22*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.81	16.04
		For Horizontal, Add	*11.78*	
		For Dynamic Damper, Add	*17.67*	
		For 3 Hour Rated, Add	*15.71*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.96	17.30
		For Horizontal, Add	*12.15*	
		For Dynamic Damper, Add	*18.22*	
		For 3 Hour Rated, Add	*16.20*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.96	18.57
		For Horizontal, Add	*12.64*	
		For Dynamic Damper, Add	*18.96*	
		For 3 Hour Rated, Add	*16.85*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.95	19.76
		For Horizontal, Add	*13.13*	
		For Dynamic Damper, Add	*19.70*	
		For 3 Hour Rated, Add	*17.51*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.42	12.40
		For Horizontal, Add	*12.20*	
		For Dynamic Damper, Add	*18.29*	
		For 3 Hour Rated, Add	*16.26*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.07	13.59
		For Horizontal, Add	*12.93*	
		For Dynamic Damper, Add	*19.40*	
		For 3 Hour Rated, Add	*17.25*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.07	14.85
		For Horizontal, Add	*13.43*	
		For Dynamic Damper, Add	*20.14*	
		For 3 Hour Rated, Add	*17.90*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.69	16.04
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.86	17.30
		For Horizontal, Add	*14.53*	
		For Dynamic Damper, Add	*21.80*	
		For 3 Hour Rated, Add	*19.38*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.03	18.57
		For Horizontal, Add	*14.90*	
		For Dynamic Damper, Add	*22.35*	
		For 3 Hour Rated, Add	*19.87*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.67	19.76
		For Horizontal, Add	*15.64*	
		For Dynamic Damper, Add	*23.46*	
		For 3 Hour Rated, Add	*20.85*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.01	22.27
		For Horizontal, Add	*16.38*	
		For Dynamic Damper, Add	*24.57*	
		For 3 Hour Rated, Add	*21.84*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.00	24.72
		For Horizontal, Add	*17.36*	
		For Dynamic Damper, Add	*26.04*	
		For 3 Hour Rated, Add	*23.15*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.07	13.59
		For Horizontal, Add	*12.93*	
		For Dynamic Damper, Add	*19.40*	
		For 3 Hour Rated, Add	*17.25*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.07	14.85
		For Horizontal, Add	*13.43*	
		For Dynamic Damper, Add	*20.14*	
		For 3 Hour Rated, Add	*17.90*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.69	16.04
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.67	17.30
		For Horizontal, Add	*14.66*	
		For Dynamic Damper, Add	*21.98*	
		For 3 Hour Rated, Add	*19.54*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.50	18.57
		For Horizontal, Add	*15.27*	
		For Dynamic Damper, Add	*22.91*	
		For 3 Hour Rated, Add	*20.36*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.30	19.76
		For Horizontal, Add	*15.88*	
		For Dynamic Damper, Add	*23.83*	
		For 3 Hour Rated, Add	*21.18*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.65	22.27
		For Horizontal, Add	*16.62*	
		For Dynamic Damper, Add	*24.93*	
		For 3 Hour Rated, Add	*22.16*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.00	24.72
		For Horizontal, Add	*17.36*	
		For Dynamic Damper, Add	*26.04*	
		For 3 Hour Rated, Add	*23.15*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.55	25.99
		For Horizontal, Add	*18.84*	
		For Dynamic Damper, Add	*28.26*	
		For 3 Hour Rated, Add	*25.12*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.17	28.44
		For Horizontal, Add	*20.07*	
		For Dynamic Damper, Add	*30.10*	
		For 3 Hour Rated, Add	*26.76*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.97	14.85
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.32	16.04
		For Horizontal, Add	*14.41*	
		For Dynamic Damper, Add	*21.61*	
		For 3 Hour Rated, Add	*19.21*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.67	17.30
		For Horizontal, Add	*14.66*	
		For Dynamic Damper, Add	*21.98*	
		For 3 Hour Rated, Add	*19.54*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.66	18.57
		For Horizontal, Add	*15.15*	
		For Dynamic Damper, Add	*22.72*	
		For 3 Hour Rated, Add	*20.19*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.61	19.76
		For Horizontal, Add	*15.93*	
		For Dynamic Damper, Add	*23.90*	
		For 3 Hour Rated, Add	*21.24*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.65	22.27
		For Horizontal, Add	*16.62*	
		For Dynamic Damper, Add	*24.93*	
		For 3 Hour Rated, Add	*22.16*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.65	24.72
		For Horizontal, Add	*17.61*	
		For Dynamic Damper, Add	*26.41*	
		For 3 Hour Rated, Add	*23.48*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.63	27.18
		For Horizontal, Add	*18.59*	
		For Dynamic Damper, Add	*27.89*	
		For 3 Hour Rated, Add	*24.79*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.17	28.44
		For Horizontal, Add	*20.07*	
		For Dynamic Damper, Add	*30.10*	
		For 3 Hour Rated, Add	*26.76*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.59	30.44
		For Horizontal, Add	*21.79*	
		For Dynamic Damper, Add	*32.68*	
		For 3 Hour Rated, Add	*29.05*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.91	32.15
		For Horizontal, Add	*23.76*	
		For Dynamic Damper, Add	*35.64*	
		For 3 Hour Rated, Add	*31.68*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.05	16.04
		For Horizontal, Add	*16.17*	
		For Dynamic Damper, Add	*24.25*	
		For 3 Hour Rated, Add	*21.56*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.48	17.30
		For Horizontal, Add	*16.73*	
		For Dynamic Damper, Add	*25.09*	
		For 3 Hour Rated, Add	*22.30*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.95	18.57
		For Horizontal, Add	*17.29*	
		For Dynamic Damper, Add	*25.93*	
		For 3 Hour Rated, Add	*23.05*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.30	19.76
		For Horizontal, Add	*18.13*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*24.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.54	22.27
		For Horizontal, Add	*18.56*	
		For Dynamic Damper, Add	*27.83*	
		For 3 Hour Rated, Add	*24.74*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.07	23.46
		For Horizontal, Add	*18.98*	
		For Dynamic Damper, Add	*28.47*	
		For 3 Hour Rated, Add	*25.31*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.58	27.18
		For Horizontal, Add	*20.39*	
		For Dynamic Damper, Add	*30.58*	
		For 3 Hour Rated, Add	*27.18*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.37	29.70
		For Horizontal, Add	*21.79*	
		For Dynamic Damper, Add	*32.68*	
		For 3 Hour Rated, Add	*29.05*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.59	30.67
		For Horizontal, Add	*23.48*	
		For Dynamic Damper, Add	*35.21*	
		For 3 Hour Rated, Add	*31.30*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.25	32.89
		For Horizontal, Add	*25.72*	
		For Dynamic Damper, Add	*38.59*	
		For 3 Hour Rated, Add	*34.30*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.56	34.61
		For Horizontal, Add	*27.69*	
		For Dynamic Damper, Add	*41.54*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.27	35.86
		For Horizontal, Add	*29.94*	
		For Dynamic Damper, Add	*44.91*	
		For 3 Hour Rated, Add	*39.92*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.05	18.57
		For Horizontal, Add	*18.46*	
		For Dynamic Damper, Add	*27.69*	
		For 3 Hour Rated, Add	*24.62*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.27	19.76
		For Horizontal, Add	*19.59*	
		For Dynamic Damper, Add	*29.38*	
		For 3 Hour Rated, Add	*26.12*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.86	21.02
		For Horizontal, Add	*19.87*	
		For Dynamic Damper, Add	*29.80*	
		For 3 Hour Rated, Add	*26.49*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.45	22.27
		For Horizontal, Add	*20.15*	
		For Dynamic Damper, Add	*30.22*	
		For 3 Hour Rated, Add	*26.87*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.43	23.46
		For Horizontal, Add	*21.13*	
		For Dynamic Damper, Add	*31.70*	
		For 3 Hour Rated, Add	*28.18*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.71	24.72
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.34	28.44
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.26	30.89
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.45	32.89
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.26	34.61
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.44	36.61
		For Horizontal, Add	*30.83*	
		For Dynamic Damper, Add	*46.25*	
		For 3 Hour Rated, Add	*41.11*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.02	37.58
		For Horizontal, Add	*33.92*	
		For Dynamic Damper, Add	*50.89*	
		For 3 Hour Rated, Add	*45.23*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.71	39.58
		For Horizontal, Add	*36.74*	
		For Dynamic Damper, Add	*55.10*	
		For 3 Hour Rated, Add	*48.98*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.52	18.57
		For Horizontal, Add	*19.02*	
		For Dynamic Damper, Add	*28.54*	
		For 3 Hour Rated, Add	*25.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.74	19.76
		For Horizontal, Add	*20.15*	
		For Dynamic Damper, Add	*30.22*	
		For 3 Hour Rated, Add	*26.87*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.08	21.02
		For Horizontal, Add	*20.99*	
		For Dynamic Damper, Add	*31.49*	
		For 3 Hour Rated, Add	*27.99*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.66	22.27
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.87	23.46
		For Horizontal, Add	*22.40*	
		For Dynamic Damper, Add	*33.60*	
		For 3 Hour Rated, Add	*29.87*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.09	24.72
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.31	29.70
		For Horizontal, Add	*24.93*	
		For Dynamic Damper, Add	*37.40*	
		For 3 Hour Rated, Add	*33.24*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.09	32.15
		For Horizontal, Add	*26.33*	
		For Dynamic Damper, Add	*39.50*	
		For 3 Hour Rated, Add	*35.11*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.26	34.61
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.55	37.12
		For Horizontal, Add	*31.68*	
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.71	39.58
		For Horizontal, Add	*34.49*	
		For Dynamic Damper, Add	*51.73*	
		For 3 Hour Rated, Add	*45.98*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.29	40.76
		For Horizontal, Add	*37.02*	
		For Dynamic Damper, Add	*55.52*	
		For 3 Hour Rated, Add	*49.35*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.87	42.03
		For Horizontal, Add	*39.55*	
		For Dynamic Damper, Add	*59.32*	
		For 3 Hour Rated, Add	*52.73*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.47	43.29
		For Horizontal, Add	*42.08*	
		For Dynamic Damper, Add	*63.12*	
		For 3 Hour Rated, Add	*56.10*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.86	19.76
		For Horizontal, Add	*19.87*	
		For Dynamic Damper, Add	*29.80*	
		For 3 Hour Rated, Add	*26.49*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.08	21.02
		For Horizontal, Add	*20.99*	
		For Dynamic Damper, Add	*31.49*	
		For 3 Hour Rated, Add	*27.99*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.66	22.27
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.71	24.72
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.63	27.18
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.55	29.70
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.22	32.15
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.89	34.61
		For Horizontal, Add	*27.74*	
		For Dynamic Damper, Add	*41.61*	
		For 3 Hour Rated, Add	*36.99*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.18	37.12
		For Horizontal, Add	*30.27*	
		For Dynamic Damper, Add	*45.41*	
		For 3 Hour Rated, Add	*40.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.21	39.58
		For Horizontal, Add	*33.36*	
		For Dynamic Damper, Add	*50.04*	
		For 3 Hour Rated, Add	*44.48*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.81	40.76
		For Horizontal, Add	*35.89*	
		For Dynamic Damper, Add	*53.84*	
		For 3 Hour Rated, Add	*47.86*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.99	42.03
		For Horizontal, Add	*39.26*	
		For Dynamic Damper, Add	*58.90*	
		For 3 Hour Rated, Add	*52.35*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.30	44.48
		For Horizontal, Add	*41.80*	
		For Dynamic Damper, Add	*62.69*	
		For 3 Hour Rated, Add	*55.73*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.50	45.74
		For Horizontal, Add	*45.17*	
		For Dynamic Damper, Add	*67.75*	
		For 3 Hour Rated, Add	*60.23*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.63	49.46
		For Horizontal, Add	*47.42*	
		For Dynamic Damper, Add	*71.13*	
		For 3 Hour Rated, Add	*63.22*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.20	21.02
		For Horizontal, Add	*20.71*	
		For Dynamic Damper, Add	*31.07*	
		For 3 Hour Rated, Add	*27.62*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.41	22.27
		For Horizontal, Add	*21.84*	
		For Dynamic Damper, Add	*32.76*	
		For 3 Hour Rated, Add	*29.12*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.34	24.72
		For Horizontal, Add	*22.96*	
		For Dynamic Damper, Add	*34.44*	
		For 3 Hour Rated, Add	*30.62*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.63	27.18
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.50	29.70
		For Horizontal, Add	*24.51*	
		For Dynamic Damper, Add	*36.76*	
		For 3 Hour Rated, Add	*32.68*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.34	32.15
		For Horizontal, Add	*25.77*	
		For Dynamic Damper, Add	*38.66*	
		For 3 Hour Rated, Add	*34.36*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.02	34.61
		For Horizontal, Add	*27.46*	
		For Dynamic Damper, Add	*41.19*	
		For 3 Hour Rated, Add	*36.61*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.68	37.12
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.98	39.58
		For Horizontal, Add	*31.68*	
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.88	42.03
		For Horizontal, Add	*35.05*	
		For Dynamic Damper, Add	*52.57*	
		For 3 Hour Rated, Add	*46.73*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.34	43.29
		For Horizontal, Add	*37.86*	
		For Dynamic Damper, Add	*56.79*	
		For 3 Hour Rated, Add	*50.48*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.42	44.48
		For Horizontal, Add	*41.51*	
		For Dynamic Damper, Add	*62.27*	
		For 3 Hour Rated, Add	*55.35*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.32	47.01
		For Horizontal, Add	*44.89*	
		For Dynamic Damper, Add	*67.33*	
		For 3 Hour Rated, Add	*59.85*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.63	49.46
		For Horizontal, Add	*47.42*	
		For Dynamic Damper, Add	*71.13*	
		For 3 Hour Rated, Add	*63.22*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.25	53.16
		For Horizontal, Add	*50.79*	
		For Dynamic Damper, Add	*76.19*	
		For 3 Hour Rated, Add	*67.72*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.42	55.62
		For Horizontal, Add	*53.60*	
		For Dynamic Damper, Add	*80.40*	
		For 3 Hour Rated, Add	*71.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.66	22.27
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.45	24.72
		For Horizontal, Add	*22.68*	
		For Dynamic Damper, Add	*34.02*	
		For 3 Hour Rated, Add	*30.24*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.51	27.18
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.80	29.70
		For Horizontal, Add	*23.80*	
		For Dynamic Damper, Add	*35.71*	
		For 3 Hour Rated, Add	*31.74*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.54	32.15
		For Horizontal, Add	*25.35*	
		For Dynamic Damper, Add	*38.03*	
		For 3 Hour Rated, Add	*33.80*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.27	34.61
		For Horizontal, Add	*26.90*	
		For Dynamic Damper, Add	*40.34*	
		For 3 Hour Rated, Add	*35.86*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.00	37.12
		For Horizontal, Add	*28.44*	
		For Dynamic Damper, Add	*42.66*	
		For 3 Hour Rated, Add	*37.92*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.73	39.58
		For Horizontal, Add	*29.99*	
		For Dynamic Damper, Add	*44.98*	
		For 3 Hour Rated, Add	*39.98*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.63	42.03
		For Horizontal, Add	*33.36*	
		For Dynamic Damper, Add	*50.04*	
		For 3 Hour Rated, Add	*44.48*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.85	43.29
		For Horizontal, Add	*36.74*	
		For Dynamic Damper, Add	*55.10*	
		For 3 Hour Rated, Add	*48.98*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.17	44.48
		For Horizontal, Add	*39.83*	
		For Dynamic Damper, Add	*59.74*	
		For 3 Hour Rated, Add	*53.10*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.84	47.01
		For Horizontal, Add	*43.76*	
		For Dynamic Damper, Add	*65.65*	
		For 3 Hour Rated, Add	*58.35*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.75	49.46
		For Horizontal, Add	*47.14*	
		For Dynamic Damper, Add	*70.70*	
		For 3 Hour Rated, Add	*62.85*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.53	51.90
		For Horizontal, Add	*50.79*	
		For Dynamic Damper, Add	*76.19*	
		For 3 Hour Rated, Add	*67.72*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.71	54.43
		For Horizontal, Add	*53.60*	
		For Dynamic Damper, Add	*80.40*	
		For 3 Hour Rated, Add	*71.47*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	552.49	56.88
		For Horizontal, Add	*57.26*	
		For Dynamic Damper, Add	*85.88*	
		For 3 Hour Rated, Add	*76.34*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.29	59.33
		For Horizontal, Add	*60.91*	
		For Dynamic Damper, Add	*91.37*	
		For 3 Hour Rated, Add	*81.21*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.71	24.72
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.51	27.18
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.67	29.70
		For Horizontal, Add	*24.08*	
		For Dynamic Damper, Add	*36.13*	
		For 3 Hour Rated, Add	*32.11*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.97	32.15
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.65	34.61
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.31	37.12
		For Horizontal, Add	*27.74*	
		For Dynamic Damper, Add	*41.61*	
		For 3 Hour Rated, Add	*36.99*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.92	39.58
		For Horizontal, Add	*29.57*	
		For Dynamic Damper, Add	*44.35*	
		For 3 Hour Rated, Add	*39.42*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.52	42.03
		For Horizontal, Add	*31.39*	
		For Dynamic Damper, Add	*47.09*	
		For 3 Hour Rated, Add	*41.86*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.60	43.29
		For Horizontal, Add	*35.05*	
		For Dynamic Damper, Add	*52.57*	
		For 3 Hour Rated, Add	*46.73*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.80	44.48
		For Horizontal, Add	*38.42*	
		For Dynamic Damper, Add	*57.63*	
		For 3 Hour Rated, Add	*51.23*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.60	47.01
		For Horizontal, Add	*42.08*	
		For Dynamic Damper, Add	*63.12*	
		For 3 Hour Rated, Add	*56.10*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.39	49.46
		For Horizontal, Add	*45.73*	
		For Dynamic Damper, Add	*68.60*	
		For 3 Hour Rated, Add	*60.98*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.55	51.90
		For Horizontal, Add	*48.54*	
		For Dynamic Damper, Add	*72.81*	
		For 3 Hour Rated, Add	*64.72*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.96	54.43
		For Horizontal, Add	*53.04*	
		For Dynamic Damper, Add	*79.56*	
		For 3 Hour Rated, Add	*70.72*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.61	56.88
		For Horizontal, Add	*56.97*	
		For Dynamic Damper, Add	*85.46*	
		For 3 Hour Rated, Add	*75.97*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.29	59.33
		For Horizontal, Add	*60.91*	
		For Dynamic Damper, Add	*91.37*	
		For 3 Hour Rated, Add	*81.21*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.19	61.86
		For Horizontal, Add	*64.28*	
		For Dynamic Damper, Add	*96.42*	
		For 3 Hour Rated, Add	*85.71*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.13	64.30
		For Horizontal, Add	*67.66*	
		For Dynamic Damper, Add	*101.49*	
		For 3 Hour Rated, Add	*90.21*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	48.70	14.85
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	50.06	14.85
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	58.20	16.85
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	59.67	16.85
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	69.71	18.57
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	73.78	18.57
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	81.99	20.64
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	92.14	23.24
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	104.89	26.51

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	55.03	16.85
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	58.74	16.85
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	65.87	18.57
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	70.65	18.57
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	79.58	20.64
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	82.50	20.64
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	92.23	23.24
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	103.04	26.51
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	120.21	30.97

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.78	12.36
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.79	12.92
		For 3 Hour Rated, Add	*11.21*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.37	13.04
		For 3 Hour Rated, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.37	13.04
		For 3 Hour Rated, Add	*11.48*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.82	13.37
		For 3 Hour Rated, Add	*11.74*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.97	14.81
		For 3 Hour Rated, Add	*12.28*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.82	13.37
		For 3 Hour Rated, Add	*11.74*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.74	14.14
		For 3 Hour Rated, Add	*12.28*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.31	14.81
		For 3 Hour Rated, Add	*12.55*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.23	16.70
		For 3 Hour Rated, Add	*12.82*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.07	14.14
		For 3 Hour Rated, Add	*12.15*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.31	14.81
		For 3 Hour Rated, Add	*12.55*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.90	15.60
		For 3 Hour Rated, Add	*12.82*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.59	16.70
		For 3 Hour Rated, Add	*13.09*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.52	18.60
		For 3 Hour Rated, Add	*13.77*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.58	14.81
		For 3 Hour Rated, Add	*22.41*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.27	15.93
		For 3 Hour Rated, Add	*22.68*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.08	17.49
		For 3 Hour Rated, Add	*22.95*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.75	18.60
		For 3 Hour Rated, Add	*23.21*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.70	20.38
		For 3 Hour Rated, Add	*23.89*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.64	22.27
		For 3 Hour Rated, Add	*24.56*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.17	15.60
		For 3 Hour Rated, Add	*22.68*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.51	16.70
		For 3 Hour Rated, Add	*23.08*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.12	18.60
		For 3 Hour Rated, Add	*23.49*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.05	20.38
		For 3 Hour Rated, Add	*24.16*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.31	22.27
		For 3 Hour Rated, Add	*24.70*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.24	24.06
		For 3 Hour Rated, Add	*25.37*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.84	25.95
		For 3 Hour Rated, Add	*25.77*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.85	16.70
		For 3 Hour Rated, Add	*22.95*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.11	18.60
		For 3 Hour Rated, Add	*23.48*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.37	20.38
		For 3 Hour Rated, Add	*24.02*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.34	22.27
		For 3 Hour Rated, Add	*25.10*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.92	24.06
		For 3 Hour Rated, Add	*25.51*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.52	25.95
		For 3 Hour Rated, Add	*25.91*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.78	27.85
		For 3 Hour Rated, Add	*26.45*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.04	29.63
		For 3 Hour Rated, Add	*26.99*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.19	18.60
		For 3 Hour Rated, Add	*34.50*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.81	20.38
		For 3 Hour Rated, Add	*35.31*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.09	22.27
		For 3 Hour Rated, Add	*35.85*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.68	24.06
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.28	25.95
		For 3 Hour Rated, Add	*37.06*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.87	27.85
		For 3 Hour Rated, Add	*37.47*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.48	29.63
		For 3 Hour Rated, Add	*38.27*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.65	33.42
		For 3 Hour Rated, Add	*39.08*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.18	37.09
		For 3 Hour Rated, Add	*40.16*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.81	20.38
		For 3 Hour Rated, Add	*35.31*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.09	22.27
		For 3 Hour Rated, Add	*35.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.68	24.06
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.95	25.95
		For 3 Hour Rated, Add	*37.20*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.89	27.85
		For 3 Hour Rated, Add	*37.87*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.82	29.63
		For 3 Hour Rated, Add	*38.54*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.99	33.42
		For 3 Hour Rated, Add	*39.35*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.18	37.09
		For 3 Hour Rated, Add	*40.16*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.83	38.99
		For 3 Hour Rated, Add	*41.78*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.70	42.66
		For 3 Hour Rated, Add	*43.12*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.12	22.27
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.02	24.06
		For 3 Hour Rated, Add	*36.93*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.95	25.95
		For 3 Hour Rated, Add	*37.20*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.21	27.85
		For 3 Hour Rated, Add	*37.73*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.07	29.63
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.99	33.42
		For 3 Hour Rated, Add	*39.35*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.53	37.09
		For 3 Hour Rated, Add	*40.43*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.06	40.76
		For 3 Hour Rated, Add	*41.51*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.70	42.66
		For 3 Hour Rated, Add	*43.12*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.05	45.67
		For 3 Hour Rated, Add	*45.01*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.62	48.23
		For 3 Hour Rated, Add	*47.16*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.94	24.06
		For 3 Hour Rated, Add	*38.31*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.44	25.95
		For 3 Hour Rated, Add	*38.89*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.93	27.85
		For 3 Hour Rated, Add	*39.48*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.90	29.63
		For 3 Hour Rated, Add	*40.36*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.24	33.42
		For 3 Hour Rated, Add	*40.80*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.00	35.20
		For 3 Hour Rated, Add	*41.24*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.04	40.76
		For 3 Hour Rated, Add	*42.70*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.49	44.55
		For 3 Hour Rated, Add	*44.17*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.72	46.00
		For 3 Hour Rated, Add	*45.92*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.46	49.34
		For 3 Hour Rated, Add	*48.27*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.50	51.90
		For 3 Hour Rated, Add	*50.31*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.78	53.80
		For 3 Hour Rated, Add	*52.66*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.24	27.85
		For 3 Hour Rated, Add	*48.45*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.66	29.63
		For 3 Hour Rated, Add	*49.62*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.70	31.52
		For 3 Hour Rated, Add	*49.92*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.74	33.42
		For 3 Hour Rated, Add	*50.21*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.99	35.20
		For 3 Hour Rated, Add	*51.24*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.69	37.09
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.26	42.66
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.25	46.33
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.94	49.34
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.84	51.90
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.54	54.92
		For 3 Hour Rated, Add	*61.34*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.10	56.36
		For 3 Hour Rated, Add	*64.56*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.67	59.37
		For 3 Hour Rated, Add	*67.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.74	27.85
		For 3 Hour Rated, Add	*49.04*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.17	29.63
		For 3 Hour Rated, Add	*50.21*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.13	31.52
		For 3 Hour Rated, Add	*51.09*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.16	33.42
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.59	35.20
		For 3 Hour Rated, Add	*52.56*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.01	37.09
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.62	44.55
		For 3 Hour Rated, Add	*55.19*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.07	48.23
		For 3 Hour Rated, Add	*56.65*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.84	51.90
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.16	55.69
		For 3 Hour Rated, Add	*62.22*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.94	59.37
		For 3 Hour Rated, Add	*65.14*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.68	61.15
		For 3 Hour Rated, Add	*67.78*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.43	63.05
		For 3 Hour Rated, Add	*70.42*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.19	64.94
		For 3 Hour Rated, Add	*73.05*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.70	29.63
		For 3 Hour Rated, Add	*49.92*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.13	31.52
		For 3 Hour Rated, Add	*51.09*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.16	33.42
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.69	37.09
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.69	40.76
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.68	44.55
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.61	48.23
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.52	51.90
		For 3 Hour Rated, Add	*58.12*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.84	55.69
		For 3 Hour Rated, Add	*60.75*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.08	59.37
		For 3 Hour Rated, Add	*63.97*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.84	61.15
		For 3 Hour Rated, Add	*66.61*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.96	63.05
		For 3 Hour Rated, Add	*70.12*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.29	66.72
		For 3 Hour Rated, Add	*72.76*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.43	68.61
		For 3 Hour Rated, Add	*76.27*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.85	74.18
		For 3 Hour Rated, Add	*78.62*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.66	31.52
		For 3 Hour Rated, Add	*50.80*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.08	33.42
		For 3 Hour Rated, Add	*51.97*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.08	37.09
		For 3 Hour Rated, Add	*53.14*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.69	40.76
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.42	44.55
		For 3 Hour Rated, Add	*54.75*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.15	48.23
		For 3 Hour Rated, Add	*56.07*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.06	51.90
		For 3 Hour Rated, Add	*57.83*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.98	55.69
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.31	59.37
		For 3 Hour Rated, Add	*62.22*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.01	63.05
		For 3 Hour Rated, Add	*65.73*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.21	64.94
		For 3 Hour Rated, Add	*68.66*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.83	66.72
		For 3 Hour Rated, Add	*72.47*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.51	70.50
		For 3 Hour Rated, Add	*75.98*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.85	74.18
		For 3 Hour Rated, Add	*78.62*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.11	79.75
		For 3 Hour Rated, Add	*82.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.90	83.43
		For 3 Hour Rated, Add	*85.06*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.16	33.42
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.61	37.09
		For 3 Hour Rated, Add	*52.85*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.15	40.76
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.75	44.55
		For 3 Hour Rated, Add	*54.02*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.95	48.23
		For 3 Hour Rated, Add	*55.63*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.13	51.90
		For 3 Hour Rated, Add	*57.24*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.32	55.69
		For 3 Hour Rated, Add	*58.85*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.52	59.37
		For 3 Hour Rated, Add	*60.46*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.21	63.05
		For 3 Hour Rated, Add	*63.97*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.37	64.94
		For 3 Hour Rated, Add	*67.49*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.03	66.72
		For 3 Hour Rated, Add	*70.71*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	585.66	70.50
		For 3 Hour Rated, Add	*74.81*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.38	74.18
		For 3 Hour Rated, Add	*78.32*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.55	77.86
		For 3 Hour Rated, Add	*82.13*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.33	81.64
		For 3 Hour Rated, Add	*85.06*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	700.50	85.32
		For 3 Hour Rated, Add	*88.86*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.66	89.00
		For 3 Hour Rated, Add	*92.67*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.69	37.09
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.15	40.76
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.22	44.55
		For 3 Hour Rated, Add	*54.31*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.82	48.23
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.74	51.90
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.66	55.69
		For 3 Hour Rated, Add	*58.12*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.32	59.37
		For 3 Hour Rated, Add	*60.02*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.98	63.05
		For 3 Hour Rated, Add	*61.93*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.58	64.94
		For 3 Hour Rated, Add	*65.73*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.71	66.72
		For 3 Hour Rated, Add	*69.24*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.89	70.50
		For 3 Hour Rated, Add	*73.05*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	607.07	74.18
		For 3 Hour Rated, Add	*76.86*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.85	77.86
		For 3 Hour Rated, Add	*79.79*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.40	81.64
		For 3 Hour Rated, Add	*84.47*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.04	85.32
		For 3 Hour Rated, Add	*88.57*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.66	89.00
		For 3 Hour Rated, Add	*92.67*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	759.37	92.79
		For 3 Hour Rated, Add	*96.18*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	788.10	96.45
		For 3 Hour Rated, Add	*99.70*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	73.29	8.24
		For Dynamic Damper, Add	*10.93*	
		For 3 Hour Rated, Add	*9.71*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.63	8.61
		For Dynamic Damper, Add	*11.20*	
		For 3 Hour Rated, Add	*9.96*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.02	8.68
		For Dynamic Damper, Add	*11.48*	
		For 3 Hour Rated, Add	*10.21*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.02	8.68
		For Dynamic Damper, Add	*11.48*	
		For 3 Hour Rated, Add	*10.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.99	8.91
		For Dynamic Damper, Add	*11.76*	
		For 3 Hour Rated, Add	*10.45*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.41	9.87
		For Dynamic Damper, Add	*12.31*	
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.99	8.91
		For Dynamic Damper, Add	*11.76*	
		For 3 Hour Rated, Add	*10.45*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.93	9.43
		For Dynamic Damper, Add	*12.31*	
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.65	9.87
		For Dynamic Damper, Add	*12.59*	
		For 3 Hour Rated, Add	*11.19*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.59	11.14
		For Dynamic Damper, Add	*12.86*	
		For 3 Hour Rated, Add	*11.43*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.32	9.43
		For Dynamic Damper, Add	*12.17*	
		For 3 Hour Rated, Add	*10.82*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.65	9.87
		For Dynamic Damper, Add	*12.59*	
		For 3 Hour Rated, Add	*11.19*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.36	10.40
		For Dynamic Damper, Add	*12.86*	
		For 3 Hour Rated, Add	*11.43*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.83	11.14
		For Dynamic Damper, Add	*13.14*	
		For 3 Hour Rated, Add	*11.68*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.60	12.40
		For Dynamic Damper, Add	*13.83*	
		For 3 Hour Rated, Add	*12.30*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.43	9.87
		For Dynamic Damper, Add	*22.66*	
		For 3 Hour Rated, Add	*20.15*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.89	10.62
		For Dynamic Damper, Add	*22.94*	
		For 3 Hour Rated, Add	*20.39*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.09	11.66
		For Dynamic Damper, Add	*23.22*	
		For 3 Hour Rated, Add	*20.64*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.53	12.40
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*20.88*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.34	13.59
		For Dynamic Damper, Add	*24.19*	
		For 3 Hour Rated, Add	*21.50*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.12	14.85
		For Dynamic Damper, Add	*24.88*	
		For 3 Hour Rated, Add	*22.11*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.15	10.40
		For Dynamic Damper, Add	*22.94*	
		For 3 Hour Rated, Add	*20.39*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.22	11.14
		For Dynamic Damper, Add	*23.36*	
		For 3 Hour Rated, Add	*20.76*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.78	12.40
		For Dynamic Damper, Add	*23.77*	
		For 3 Hour Rated, Add	*21.13*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.57	13.59
		For Dynamic Damper, Add	*24.46*	
		For 3 Hour Rated, Add	*21.75*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.73	14.85
		For Dynamic Damper, Add	*25.02*	
		For 3 Hour Rated, Add	*22.24*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.53	16.04
		For Dynamic Damper, Add	*25.71*	
		For 3 Hour Rated, Add	*22.85*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.08	17.30
		For Dynamic Damper, Add	*26.12*	
		For 3 Hour Rated, Add	*23.22*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.61	11.14
		For Dynamic Damper, Add	*23.22*	
		For 3 Hour Rated, Add	*20.64*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.77	12.40
		For Dynamic Damper, Add	*23.77*	
		For 3 Hour Rated, Add	*21.13*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.95	13.59
		For Dynamic Damper, Add	*24.32*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.59	14.85
		For Dynamic Damper, Add	*25.43*	
		For 3 Hour Rated, Add	*22.61*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.15	16.04
		For Dynamic Damper, Add	*25.85*	
		For 3 Hour Rated, Add	*22.98*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.70	17.30
		For Dynamic Damper, Add	*26.26*	
		For 3 Hour Rated, Add	*23.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.87	18.57
		For Dynamic Damper, Add	*26.82*	
		For 3 Hour Rated, Add	*23.84*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.05	19.76
		For Dynamic Damper, Add	*27.37*	
		For 3 Hour Rated, Add	*24.33*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.82	12.40
		For Dynamic Damper, Add	*32.11*	
		For 3 Hour Rated, Add	*28.54*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.24	13.59
		For Dynamic Damper, Add	*32.94*	
		For 3 Hour Rated, Add	*29.28*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.42	14.85
		For Dynamic Damper, Add	*33.50*	
		For 3 Hour Rated, Add	*29.77*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.83	16.04
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.37	17.30
		For Dynamic Damper, Add	*34.74*	
		For 3 Hour Rated, Add	*30.88*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.93	18.57
		For Dynamic Damper, Add	*35.15*	
		For 3 Hour Rated, Add	*31.25*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.34	19.76
		For Dynamic Damper, Add	*35.98*	
		For 3 Hour Rated, Add	*31.99*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.45	22.27
		For Dynamic Damper, Add	*36.81*	
		For 3 Hour Rated, Add	*32.72*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.80	24.72
		For Dynamic Damper, Add	*37.92*	
		For 3 Hour Rated, Add	*33.71*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.24	13.59
		For Dynamic Damper, Add	*32.94*	
		For 3 Hour Rated, Add	*29.28*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.42	14.85
		For Dynamic Damper, Add	*33.50*	
		For 3 Hour Rated, Add	*29.77*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.83	16.04
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.98	17.30
		For Dynamic Damper, Add	*34.88*	
		For 3 Hour Rated, Add	*31.00*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.77	18.57
		For Dynamic Damper, Add	*35.57*	
		For 3 Hour Rated, Add	*31.62*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.56	19.76
		For Dynamic Damper, Add	*36.26*	
		For 3 Hour Rated, Add	*32.23*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.67	22.27
		For Dynamic Damper, Add	*37.09*	
		For 3 Hour Rated, Add	*32.97*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.80	24.72
		For Dynamic Damper, Add	*37.92*	
		For 3 Hour Rated, Add	*33.71*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.89	25.99
		For Dynamic Damper, Add	*39.58*	
		For 3 Hour Rated, Add	*35.18*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.46	28.44
		For Dynamic Damper, Add	*40.97*	
		For 3 Hour Rated, Add	*36.41*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.11	14.85
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.04	16.04
		For Dynamic Damper, Add	*34.60*	
		For 3 Hour Rated, Add	*30.75*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.98	17.30
		For Dynamic Damper, Add	*34.88*	
		For 3 Hour Rated, Add	*31.00*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.15	18.57
		For Dynamic Damper, Add	*35.43*	
		For 3 Hour Rated, Add	*31.49*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.80	19.76
		For Dynamic Damper, Add	*36.31*	
		For 3 Hour Rated, Add	*32.28*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.67	22.27
		For Dynamic Damper, Add	*37.09*	
		For 3 Hour Rated, Add	*32.97*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.03	24.72
		For Dynamic Damper, Add	*38.20*	
		For 3 Hour Rated, Add	*33.95*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.38	27.18
		For Dynamic Damper, Add	*39.31*	
		For 3 Hour Rated, Add	*34.94*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.46	28.44
		For Dynamic Damper, Add	*40.97*	
		For 3 Hour Rated, Add	*36.41*	

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23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.02	30.44
		For Dynamic Damper, Add	*42.91*	
		For 3 Hour Rated, Add	*38.14*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.05	32.15
		For Dynamic Damper, Add	*45.12*	
		For 3 Hour Rated, Add	*40.10*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.62	16.04
		For Dynamic Damper, Add	*35.63*	
		For 3 Hour Rated, Add	*31.67*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.89	17.30
		For Dynamic Damper, Add	*36.21*	
		For 3 Hour Rated, Add	*32.18*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.18	18.57
		For Dynamic Damper, Add	*36.79*	
		For 3 Hour Rated, Add	*32.70*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.77	19.76
		For Dynamic Damper, Add	*37.66*	
		For 3 Hour Rated, Add	*33.47*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.14	22.27
		For Dynamic Damper, Add	*38.09*	
		For 3 Hour Rated, Add	*33.86*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.78	23.46
		For Dynamic Damper, Add	*38.53*	
		For 3 Hour Rated, Add	*34.25*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.36	27.18
		For Dynamic Damper, Add	*39.98*	
		For 3 Hour Rated, Add	*35.54*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.22	29.70
		For Dynamic Damper, Add	*41.42*	
		For 3 Hour Rated, Add	*36.82*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.93	30.67
		For Dynamic Damper, Add	*43.17*	
		For 3 Hour Rated, Add	*38.37*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.91	32.89
		For Dynamic Damper, Add	*45.48*	
		For 3 Hour Rated, Add	*40.43*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.13	34.61
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.15	35.86
		For Dynamic Damper, Add	*49.83*	
		For 3 Hour Rated, Add	*44.30*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.47	18.57
		For Dynamic Damper, Add	*41.96*	
		For 3 Hour Rated, Add	*37.30*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.34	19.76
		For Dynamic Damper, Add	*43.12*	
		For 3 Hour Rated, Add	*38.33*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.35	21.02
		For Dynamic Damper, Add	*43.41*	
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.35	22.27
		For Dynamic Damper, Add	*43.70*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.29	23.46
		For Dynamic Damper, Add	*44.72*	
		For 3 Hour Rated, Add	*39.75*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.52	24.72
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.80	28.44
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.39	30.89
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.06	32.89
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.43	34.61
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.09	36.61
		For Dynamic Damper, Add	*54.72*	
		For 3 Hour Rated, Add	*48.64*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.23	37.58
		For Dynamic Damper, Add	*57.91*	
		For 3 Hour Rated, Add	*51.47*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.07	39.58
		For Dynamic Damper, Add	*60.81*	
		For 3 Hour Rated, Add	*54.05*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.77	18.57
		For Dynamic Damper, Add	*42.54*	
		For 3 Hour Rated, Add	*37.82*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.64	19.76
		For Dynamic Damper, Add	*43.70*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.23	21.02
		For Dynamic Damper, Add	*44.57*	
		For 3 Hour Rated, Add	*39.62*	

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23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.23	22.27
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.09	23.46
		For Dynamic Damper, Add	*46.02*	
		For 3 Hour Rated, Add	*40.91*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.96	24.72
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.26	29.70
		For Dynamic Damper, Add	*48.63*	
		For 3 Hour Rated, Add	*43.23*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.11	32.15
		For Dynamic Damper, Add	*50.08*	
		For 3 Hour Rated, Add	*44.52*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.43	34.61
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.45	37.12
		For Dynamic Damper, Add	*55.59*	
		For 3 Hour Rated, Add	*49.41*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.75	39.58
		For Dynamic Damper, Add	*58.49*	
		For 3 Hour Rated, Add	*51.99*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.06	40.76
		For Dynamic Damper, Add	*61.10*	
		For 3 Hour Rated, Add	*54.31*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.37	42.03
		For Dynamic Damper, Add	*63.71*	
		For 3 Hour Rated, Add	*56.63*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.69	43.29
		For Dynamic Damper, Add	*66.32*	
		For 3 Hour Rated, Add	*58.95*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.35	19.76
		For Dynamic Damper, Add	*43.41*	
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.23	21.02
		For Dynamic Damper, Add	*44.57*	
		For 3 Hour Rated, Add	*39.62*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.23	22.27
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.52	24.72
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.09	27.18
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.68	29.70
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.83	32.15
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.98	34.61
		For Dynamic Damper, Add	*51.53*	
		For 3 Hour Rated, Add	*45.80*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.00	37.12
		For Dynamic Damper, Add	*54.14*	
		For 3 Hour Rated, Add	*48.12*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.60	39.58
		For Dynamic Damper, Add	*57.33*	
		For 3 Hour Rated, Add	*50.96*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.92	40.76
		For Dynamic Damper, Add	*59.94*	
		For 3 Hour Rated, Add	*53.28*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.08	42.03
		For Dynamic Damper, Add	*63.42*	
		For 3 Hour Rated, Add	*56.37*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.11	44.48
		For Dynamic Damper, Add	*66.03*	
		For 3 Hour Rated, Add	*58.69*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.28	45.74
		For Dynamic Damper, Add	*69.50*	
		For 3 Hour Rated, Add	*61.78*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.73	49.46
		For Dynamic Damper, Add	*71.82*	
		For 3 Hour Rated, Add	*63.84*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.94	21.02
		For Dynamic Damper, Add	*44.28*	
		For 3 Hour Rated, Add	*39.36*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.80	22.27
		For Dynamic Damper, Add	*45.44*	
		For 3 Hour Rated, Add	*40.39*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.38	24.72
		For Dynamic Damper, Add	*46.60*	
		For 3 Hour Rated, Add	*41.42*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.09	27.18
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.33	29.70
		For Dynamic Damper, Add	*48.20*	
		For 3 Hour Rated, Add	*42.84*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.54	32.15
		For Dynamic Damper, Add	*49.50*	
		For 3 Hour Rated, Add	*44.00*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.70	34.61
		For Dynamic Damper, Add	*51.24*	
		For 3 Hour Rated, Add	*45.55*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.85	37.12
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.88	39.58
		For Dynamic Damper, Add	*55.59*	
		For 3 Hour Rated, Add	*49.41*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.75	42.03
		For Dynamic Damper, Add	*59.07*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.35	43.29
		For Dynamic Damper, Add	*61.97*	
		For 3 Hour Rated, Add	*55.08*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.82	44.48
		For Dynamic Damper, Add	*65.74*	
		For 3 Hour Rated, Add	*58.43*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.69	47.01
		For Dynamic Damper, Add	*69.21*	
		For 3 Hour Rated, Add	*61.52*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.73	49.46
		For Dynamic Damper, Add	*71.82*	
		For 3 Hour Rated, Add	*63.84*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.33	53.16
		For Dynamic Damper, Add	*75.30*	
		For 3 Hour Rated, Add	*66.94*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.64	55.62
		For Dynamic Damper, Add	*78.20*	
		For 3 Hour Rated, Add	*69.51*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.23	22.27
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.09	24.72
		For Dynamic Damper, Add	*46.31*	
		For 3 Hour Rated, Add	*41.17*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.38	27.18
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.09	29.70
		For Dynamic Damper, Add	*47.47*	
		For 3 Hour Rated, Add	*42.20*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.61	32.15
		For Dynamic Damper, Add	*49.07*	
		For 3 Hour Rated, Add	*43.62*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.12	34.61
		For Dynamic Damper, Add	*50.66*	
		For 3 Hour Rated, Add	*45.03*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.63	37.12
		For Dynamic Damper, Add	*52.26*	
		For 3 Hour Rated, Add	*46.45*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.14	39.58
		For Dynamic Damper, Add	*53.85*	
		For 3 Hour Rated, Add	*47.87*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.02	42.03
		For Dynamic Damper, Add	*57.33*	
		For 3 Hour Rated, Add	*50.96*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.21	43.29
		For Dynamic Damper, Add	*60.81*	
		For 3 Hour Rated, Add	*54.05*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.09	44.48
		For Dynamic Damper, Add	*64.00*	
		For 3 Hour Rated, Add	*56.89*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.55	47.01
		For Dynamic Damper, Add	*68.06*	
		For 3 Hour Rated, Add	*60.49*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.44	49.46
		For Dynamic Damper, Add	*71.53*	
		For 3 Hour Rated, Add	*63.59*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.61	51.90
		For Dynamic Damper, Add	*75.30*	
		For 3 Hour Rated, Add	*66.94*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.93	54.43
		For Dynamic Damper, Add	*78.20*	
		For 3 Hour Rated, Add	*69.51*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.10	56.88
		For Dynamic Damper, Add	*81.97*	
		For 3 Hour Rated, Add	*72.86*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.29	59.33
		For Dynamic Damper, Add	*85.74*	
		For 3 Hour Rated, Add	*76.21*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.52	24.72
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.38	27.18
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.38	29.70
		For Dynamic Damper, Add	*47.76*	
		For 3 Hour Rated, Add	*42.45*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.10	32.15
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.26	34.61
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.40	37.12
		For Dynamic Damper, Add	*51.53*	
		For 3 Hour Rated, Add	*45.80*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.21	39.58
		For Dynamic Damper, Add	*53.42*	
		For 3 Hour Rated, Add	*47.48*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.00	42.03
		For Dynamic Damper, Add	*55.30*	
		For 3 Hour Rated, Add	*49.15*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.47	43.29
		For Dynamic Damper, Add	*59.07*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.64	44.48
		For Dynamic Damper, Add	*62.55*	
		For 3 Hour Rated, Add	*55.60*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.82	47.01
		For Dynamic Damper, Add	*66.32*	
		For 3 Hour Rated, Add	*58.95*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.00	49.46
		For Dynamic Damper, Add	*70.09*	
		For 3 Hour Rated, Add	*62.30*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.30	51.90
		For Dynamic Damper, Add	*72.98*	
		For 3 Hour Rated, Add	*64.87*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.34	54.43
		For Dynamic Damper, Add	*77.62*	
		For 3 Hour Rated, Add	*69.00*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.80	56.88
		For Dynamic Damper, Add	*81.68*	
		For 3 Hour Rated, Add	*72.60*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.29	59.33
		For Dynamic Damper, Add	*85.74*	
		For 3 Hour Rated, Add	*76.21*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.15	61.86
		For Dynamic Damper, Add	*89.21*	
		For 3 Hour Rated, Add	*79.30*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.06	64.30
		For Dynamic Damper, Add	*92.70*	
		For 3 Hour Rated, Add	*82.40*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	61.15	8.24
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	74.41	8.61
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	90.74	8.68
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	86.71	8.68
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	82.62	8.91
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	99.57	9.87
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	77.03	8.91
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	96.77	9.87
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	92.25	10.40
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	106.69	11.14
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	86.91	9.43
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	88.17	10.40
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	104.67	11.14
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	91.92	12.40
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	104.78	13.59
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	96.77	9.87
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	98.55	11.14
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	89.31	12.40
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	99.74	12.40
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	113.91	13.59
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	128.05	14.85
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	86.15	10.40
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	80.38	11.14
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	95.82	12.40
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	111.29	13.59
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	126.74	14.85
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	145.21	16.04
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	164.75	18.57
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	132.91	19.76
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	155.01	22.27
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	94.48	11.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	89.31	12.40
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	106.07	13.59
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	122.83	14.85
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	142.52	16.04
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	159.68	17.30
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	132.91	19.76
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	141.07	19.76
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	164.81	22.27
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	188.57	24.72
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	174.99	27.18
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	194.08	29.70
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	84.08	12.40
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	103.46	13.59
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	122.83	14.85
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	145.21	16.04
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	124.28	18.57
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	137.80	19.76
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	155.01	22.27
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	164.81	22.27
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	191.84	24.72
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	179.65	27.18
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	201.08	29.70
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	222.49	32.15
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	215.93	34.61
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	234.55	37.12
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	245.74	37.12
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	91.92	12.40
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	113.91	13.59
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	142.52	16.04
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	124.28	18.57
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	139.43	19.76
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	158.29	22.27
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	177.15	24.72
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	188.57	24.72
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	179.65	27.18
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	203.42	29.70
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	227.16	32.15
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	228.94	37.12
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	242.01	37.12
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	262.50	39.58
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	282.99	42.03
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	296.06	42.03
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	293.69	44.48
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	305.10	44.48
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	103.46	13.59
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	134.44	16.04
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	159.68	17.30
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	137.80	19.76
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	158.29	22.27
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	178.77	24.72
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	158.24	24.72
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	174.99	27.18
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	201.08	29.70
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	227.16	32.15
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	230.82	37.12
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	245.74	37.12
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	268.10	39.58
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	290.45	42.03
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	290.42	44.48
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	303.49	44.48
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	323.96	47.01
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	337.03	47.01
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	327.66	49.46
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	338.85	49.46
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	357.47	51.90
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	111.29	13.59
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	148.91	17.30
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	132.91	19.76
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	155.01	22.27
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	177.15	24.72
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	158.24	24.72
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	176.15	27.18
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	194.08	29.70
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	222.49	32.15
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	228.94	37.12
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	245.74	37.12
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	269.96	39.58
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	294.18	42.03
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	295.31	44.48
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	317.43	47.01
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	332.12	47.01
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	324.86	49.46
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	337.45	49.46
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	357.47	51.90
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	370.06	51.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	382.67	51.90
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	122.83	14.85
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	163.40	18.57
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	141.07	19.76
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	164.81	22.27
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	188.57	24.72
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	174.99	27.18
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	194.08	29.70
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	213.15	32.15
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	215.93	34.61
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	242.01	37.12
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	268.10	39.58
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	294.18	42.03
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	296.94	44.48
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	320.69	47.01
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	337.03	47.01
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	323.46	49.46
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	137.14	16.04
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	131.27	19.76
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	156.65	22.27
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	182.04	24.72
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	171.48	27.18
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	191.74	29.70
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	204.58	29.70
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	224.83	32.15
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	234.55	37.12
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	262.50	39.58
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	290.45	42.03
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	295.31	44.48
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	320.69	47.01
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	338.65	47.01
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	333.26	49.46
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	340.95	49.46
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	148.91	17.30
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	137.80	19.76
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	164.81	22.27
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	158.24	24.72
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	179.65	27.18
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	201.08	29.70
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	222.49	32.15
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	215.93	34.61
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	245.74	37.12
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	282.99	42.03
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	290.42	44.48
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	317.43	47.01
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	337.03	47.01
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	333.26	49.46
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	357.47	51.90
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	365.87	51.90
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	152.95	17.30
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	148.49	22.27
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	176.33	24.72
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	169.15	27.18
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	191.17	29.70
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	213.15	32.15
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	235.17	34.61
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	228.00	37.12
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	258.76	39.58
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	289.51	42.03
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	296.94	44.48
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	324.78	47.01
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	323.46	49.46
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	340.95	49.46
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	365.87	51.90
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	374.61	51.90

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	66.67	8.24
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	81.78	8.61
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	84.27	8.68
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	88.15	8.68
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	96.66	8.91
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	107.40	9.87
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	108.32	8.91
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	122.95	9.87
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	124.44	10.40
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	130.55	11.14
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	104.90	9.43
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	110.72	10.40
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	118.62	11.14
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	122.32	12.40
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	131.72	13.59
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	129.10	9.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	135.66	11.14
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	118.51	12.40
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	118.51	12.40
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	131.26	13.59
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	134.97	14.85
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	126.12	10.40
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	128.35	11.14
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	138.83	12.40
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	149.34	13.59
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	153.05	14.85
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	156.77	16.04
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	166.45	18.57
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	164.58	19.76
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	180.42	22.27
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	147.01	11.14
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	154.92	12.40
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	158.64	13.59
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	170.75	14.85
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	174.47	16.04
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	178.17	17.30
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	191.93	19.76
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	194.03	19.76
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	201.45	22.27
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	213.09	24.72
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	228.93	27.18
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	236.36	29.70
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	188.58	12.40
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	192.30	13.59
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	196.01	14.85
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	199.73	16.04
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	213.45	18.57
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	227.68	19.76
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	235.10	22.27
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	235.10	22.27
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	208.88	24.72
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	197.61	27.18
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	205.04	29.70
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	217.98	32.15
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	228.17	34.61
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	235.59	37.12
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	235.59	37.12
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	169.61	12.40
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	173.33	13.59
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	180.76	16.04
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	190.94	18.57
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	197.42	19.76
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	204.84	22.27
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	212.27	24.72
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	223.31	24.72
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	230.73	27.18
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	238.16	29.70
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	248.34	32.15
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	265.95	37.12
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	265.95	37.12
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	285.81	39.58
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	267.80	42.03
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	267.80	42.03
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	275.23	44.48
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	281.13	44.48
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	189.48	13.59
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	196.91	16.04
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	202.98	17.30
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	215.13	19.76
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	231.99	22.27
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	239.42	24.72
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	239.42	24.72
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	251.56	27.18
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	258.99	29.70
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	266.41	32.15
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	281.26	37.12
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	288.35	37.12
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	300.50	39.58
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	314.99	42.03
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	322.42	44.48
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	322.42	44.48
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	332.19	47.01
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	340.45	47.01
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	330.79	49.46
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	330.79	49.46
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	345.81	51.90
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	231.80	13.59
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	247.27	17.30
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	254.71	19.76
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	262.13	22.27
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	282.58	24.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	282.58	24.72
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	290.00	27.18
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	301.77	29.70
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	311.36	32.15
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	328.37	37.12
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	328.37	37.12
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	353.17	39.58
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	360.59	42.03
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	368.02	44.48
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	379.78	47.01
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	384.13	47.01
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	391.56	49.46
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	392.63	49.46
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	416.33	51.90
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	416.33	51.90
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	416.33	51.90
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	315.80	14.85
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	329.10	18.57
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	332.82	19.76
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	344.59	22.27
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	329.73	24.72
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	337.15	27.18
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	360.05	29.70
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	367.47	32.15
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	382.66	34.61
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	390.08	37.12
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	397.51	39.58
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	404.93	42.03
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	423.96	44.48
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	439.12	47.01
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	439.12	47.01
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	458.17	49.46
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	357.93	16.04
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	372.94	19.76
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	391.96	22.27
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	399.39	24.72
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	420.36	27.18
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	429.73	29.70
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	429.73	29.70
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	445.86	32.15
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	424.91	37.12
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	435.81	39.58
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	460.65	42.03
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	468.08	44.48
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	482.47	47.01
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	485.96	47.01
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	493.39	49.46
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	496.87	49.46
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	400.33	17.30
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	421.71	19.76
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	432.60	22.27
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	450.50	24.72
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	457.92	27.18
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	472.32	29.70
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	479.74	32.15
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	494.12	34.61
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	459.74	37.12
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	488.53	42.03
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	505.24	44.48
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	512.66	47.01
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	512.66	47.01
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	523.20	49.46
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	543.00	51.90
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	543.00	51.90
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	442.13	17.30
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	463.19	22.27
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	483.01	24.72
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	490.43	27.18
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	507.15	29.70
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	517.67	32.15
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	476.52	34.61
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	483.94	37.12
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	508.97	39.58
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	516.39	42.03
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	523.82	44.48
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	547.49	47.01
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	554.92	49.46
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	563.05	49.46
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	579.28	51.90
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	594.86	51.90

23 33 13 23-0365 Backdraft Damper Accessories *(23 33 13 23)*

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	164.45	20.03
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	278.62	20.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	23.14	5.17
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	153.62	19.16
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	171.61	21.83
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	220.60	28.96
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	303.58	33.42
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	340.64	40.10
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	506.07	50.80
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	211.08	19.16
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	239.91	21.83
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	268.15	28.96
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	374.77	33.42
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	419.23	40.10
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	645.09	50.80
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	257.03	30.31
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	310.76	34.74
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	410.18	39.92
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	503.90	45.09
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	461.86	45.09
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	603.23	47.31
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	669.17	50.27
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	736.60	53.22
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	979.16	60.62
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	594.96	50.27
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	813.41	60.62
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,474.90	81.32
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,637.50	85.76
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,831.68	92.41
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,060.73	100.54
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	287.68	66.54
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	348.70	76.88
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	461.35	88.71
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	566.87	99.79
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	519.08	99.79
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	680.69	105.71
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	753.09	110.89
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	826.61	116.80
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,103.87	133.06
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	668.75	110.89
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	915.51	133.06
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,657.39	175.20
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,853.26	189.98
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,064.67	201.82
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,327.07	221.77
23 33 19 00-0033		84" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	248.64	55.44
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	433.40	82.79
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	601.78	121.24
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	341.09	66.54
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	427.42	76.88
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	590.67	88.71
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	704.54	95.36
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	769.78	102.76
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	980.80	110.89
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,166.83	121.24
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	651.70	102.76
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	953.96	107.19
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,045.46	110.89
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,141.47	116.80
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,445.84	125.68
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,570.53	133.06
23 33 23		**Turning Vanes** *(23 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	5.60	1.84
		For Stainless Steel, Add	*2.30*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	4.20	0.74
		For Stainless Steel, Add	*3.47*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	15.71	2.77
		For Stainless Steel, Add	*15.91*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	19.19	2.95
		For Stainless Steel, Add	*20.14*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	25.59	3.10
		For Stainless Steel, Add	*28.18*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	32.04	3.33
		For Stainless Steel, Add	*36.24*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	35.41	3.55
		For Stainless Steel, Add	*40.27*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	44.42	3.33
		For Stainless Steel, Add	*52.35*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	54.50	3.92
		For Stainless Steel, Add	*64.44*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	58.42	4.09
		For Stainless Steel, Add	*69.29*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	65.01	4.25
		For Stainless Steel, Add	*77.60*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	71.14	10.35
		For Stainless Steel, Add	*59.12*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	77.35	10.35
		For Stainless Steel, Add	*71.54*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	80.39	10.35
		For Stainless Steel, Add	*77.62*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	105.90	12.57
		For Stainless Steel, Add	*109.44*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	107.13	12.57
		For Stainless Steel, Add	*111.90*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	130.93	17.00
		For Stainless Steel, Add	*128.78*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	152.51	20.70
		For Stainless Steel, Add	*138.68*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	196.03	28.09
		For Stainless Steel, Add	*170.28*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	9.45	2.22
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	9.21	2.00

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	4.47	0.74
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	4.97	1.48
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	5.66	1.48
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.59	1.48
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.86	2.22
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	10.13	2.22
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	13.76	2.95
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	17.14	2.95
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	22.55	3.70

23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	31.83	4.43
		For Stainless Steel, Add	*19.76*	
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	34.41	5.17
		For Stainless Steel, Add	*20.02*	
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	39.16	5.17
		For Stainless Steel, Add	*22.07*	
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	44.14	6.65
		For Stainless Steel, Add	*22.78*	
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	53.06	8.13
		For Stainless Steel, Add	*25.73*	
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	62.41	9.61
		For Stainless Steel, Add	*31.72*	
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	70.64	11.09
		For Stainless Steel, Add	*34.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	83.93	12.57
		For Stainless Steel, Add	*42.80*	
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	91.46	14.05
		For Stainless Steel, Add	*46.83*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.32	2.14
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.09	2.14
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.10	2.85
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.40	2.85
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.97	3.20
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.69	2.22
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.39	2.22
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.38	2.95
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.44	2.95
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.86	3.33

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	1.86	1.77
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	3.84	2.00
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.77	2.00
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.64	2.00
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	2.99	2.22
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	3.18	2.44
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	5.06	2.44

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	35.39	12.19
		For Stainless Steel, Add	*14.29*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	37.61	13.30
		For Stainless Steel, Add	*14.29*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	43.30	14.05
		For Stainless Steel, Add	*19.77*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	48.87	14.78
		For Stainless Steel, Add	*25.09*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	64.38	16.27
		For Stainless Steel, Add	*41.42*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	46.62	14.78
		For Stainless Steel, Add	*22.17*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	61.64	18.48
		For Stainless Steel, Add	*32.08*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	66.37	21.06
		For Stainless Steel, Add	*31.50*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	80.93	24.76
		For Stainless Steel, Add	*40.83*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	92.80	29.57
		For Stainless Steel, Add	*43.76*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	116.10	36.97
		For Stainless Steel, Add	*54.83*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	718.07	22.18
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	589.99	18.48
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	584.80	20.33

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,121.16	227.87
		For 1/4" Static Pressure, Add	*53.20*	
		For 3/8" Static Pressure, Add	*106.39*	
		For 1/2" Static Pressure, Add	*146.29*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,168.65	228.56
		For 1/4" Static Pressure, Add	*57.00*	
		For 3/8" Static Pressure, Add	*113.99*	
		For 1/2" Static Pressure, Add	*156.74*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,263.65	227.87
		For 1/4" Static Pressure, Add	*64.60*	
		For 3/8" Static Pressure, Add	*129.19*	
		For 1/2" Static Pressure, Add	*177.64*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,358.64	228.56
		For 1/4" Static Pressure, Add	*72.20*	
		For 3/8" Static Pressure, Add	*144.39*	
		For 1/2" Static Pressure, Add	*198.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	1,592.37	273.73
		For 1/4" Static Pressure, Add	*83.59*	
		For 3/8" Static Pressure, Add	*167.19*	
		For 1/2" Static Pressure, Add	*229.88*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	1,829.97	297.67
		For 1/4" Static Pressure, Add	*98.79*	
		For 3/8" Static Pressure, Add	*197.59*	
		For 1/2" Static Pressure, Add	*271.68*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	1,934.14	325.73
		For 1/4" Static Pressure, Add	*102.59*	
		For 3/8" Static Pressure, Add	*205.19*	
		For 1/2" Static Pressure, Add	*282.13*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	2,204.20	342.15
		For 1/4" Static Pressure, Add	*121.59*	
		For 3/8" Static Pressure, Add	*243.18*	
		For 1/2" Static Pressure, Add	*334.38*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	2,660.26	427.69
		For 1/4" Static Pressure, Add	*144.39*	
		For 3/8" Static Pressure, Add	*288.78*	
		For 1/2" Static Pressure, Add	*397.07*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	3,002.27	456.43
		For 1/4" Static Pressure, Add	*167.19*	
		For 3/8" Static Pressure, Add	*334.38*	
		For 1/2" Static Pressure, Add	*459.77*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	3,522.61	526.23
		For 1/4" Static Pressure, Add	*197.59*	
		For 3/8" Static Pressure, Add	*395.17*	
		For 1/2" Static Pressure, Add	*543.36*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,063.58	221.03
		For 1/4" Static Pressure, Add	*49.77*	
		For 3/8" Static Pressure, Add	*99.53*	
		For 1/2" Static Pressure, Add	*136.86*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,127.40	228.56
		For 1/4" Static Pressure, Add	*53.70*	
		For 3/8" Static Pressure, Add	*107.39*	
		For 1/2" Static Pressure, Add	*147.66*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,164.97	236.09
		For 1/4" Static Pressure, Add	*55.44*	
		For 3/8" Static Pressure, Add	*110.88*	
		For 1/2" Static Pressure, Add	*152.47*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,232.74	244.30
		For 1/4" Static Pressure, Add	*59.52*	
		For 3/8" Static Pressure, Add	*119.03*	
		For 1/2" Static Pressure, Add	*163.67*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	1,389.10	253.87
		For 1/4" Static Pressure, Add	*70.58*	
		For 3/8" Static Pressure, Add	*141.15*	
		For 1/2" Static Pressure, Add	*194.09*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	1,464.98	263.45
		For 1/4" Static Pressure, Add	*75.09*	
		For 3/8" Static Pressure, Add	*150.17*	
		For 1/2" Static Pressure, Add	*206.49*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	1,638.83	273.73
		For 1/4" Static Pressure, Add	*87.31*	
		For 3/8" Static Pressure, Add	*174.62*	
		For 1/2" Static Pressure, Add	*240.11*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	1,846.92	273.73
		For 1/4" Static Pressure, Add	*104.03*	
		For 3/8" Static Pressure, Add	*208.06*	
		For 1/2" Static Pressure, Add	*286.08*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	2,140.14	297.67
		For 1/4" Static Pressure, Add	*123.69*	
		For 3/8" Static Pressure, Add	*247.38*	
		For 1/2" Static Pressure, Add	*340.15*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	2,537.79	360.63
		For 1/4" Static Pressure, Add	*145.52*	
		For 3/8" Static Pressure, Add	*291.04*	
		For 1/2" Static Pressure, Add	*400.18*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	2,889.10	360.63
		For 1/4" Static Pressure, Add	*173.38*	
		For 3/8" Static Pressure, Add	*346.76*	
		For 1/2" Static Pressure, Add	*476.80*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	3,180.24	380.47
		For 1/4" Static Pressure, Add	*193.59*	
		For 3/8" Static Pressure, Add	*387.18*	
		For 1/2" Static Pressure, Add	*532.38*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,473.41	402.37
		For 1/4" Static Pressure, Add	*213.62*	
		For 3/8" Static Pressure, Add	*427.24*	
		For 1/2" Static Pressure, Add	*587.45*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,959.92	526.23
		For 1/4" Static Pressure, Add	*232.83*	
		For 3/8" Static Pressure, Add	*465.66*	
		For 1/2" Static Pressure, Add	*640.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	4,517.17	526.91
		For 1/4" Static Pressure, Add	*277.41*	
		For 3/8" Static Pressure, Add	*554.82*	
		For 1/2" Static Pressure, Add	*762.88*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	5,103.31	621.90
		For 1/4" Static Pressure, Add	*309.09*	
		For 3/8" Static Pressure, Add	*618.18*	
		For 1/2" Static Pressure, Add	*850.00*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	923.06	150.34
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,349.04	156.02
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,386.53	124.34
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,448.43	170.40
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,481.37	180.66
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,528.03	188.18
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,573.01	200.50

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,561.76	164.24
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,588.66	170.40
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,639.17	180.66
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,668.08	188.18
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,722.10	200.50
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,777.09	210.08

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,571.16	170.40
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,604.16	180.66
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,650.57	188.18
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,687.08	200.50
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,736.25	210.08
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,803.87	225.82
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,856.89	237.45

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,805.48	180.66
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,870.07	188.18
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,939.84	200.50
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,975.42	210.08
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,020.71	225.82
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,060.14	237.45
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,290.40	257.98

23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,865.02	188.18
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,905.89	200.50
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,963.82	210.08
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,005.20	225.82
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,066.96	237.45
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,159.11	257.98
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,217.82	273.73
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,303.55	301.10

23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	1,879.64	200.50
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	1,937.55	210.08
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,005.20	225.82
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,066.96	237.45
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,185.36	257.98
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,356.60	273.73
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,469.36	301.10
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,589.47	322.31

23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,273.08	210.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,310.35	225.82
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,366.01	237.45
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,433.36	257.98
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,527.80	273.73
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,549.58	301.10
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,606.98	322.31
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,709.39	361.31
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,746.27	225.82
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,824.32	257.98
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,909.29	273.73
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,994.53	301.10
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,070.87	322.31
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,129.53	361.31
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,220.91	392.79
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,441.45	451.64
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,048.74	237.45
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,128.12	273.73
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,213.35	301.10
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,289.70	322.31
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,392.12	361.31
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,483.23	392.79
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,722.37	451.64
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,736.32	501.60
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,285.58	301.10
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,358.49	322.31
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,468.73	361.31
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,568.58	392.79
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,710.62	451.64
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,839.17	501.60
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,043.77	602.19
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,233.42	694.57
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,040.28	322.31
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,186.46	361.31
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,321.60	392.79
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,498.39	451.64
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,661.96	501.60
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,901.55	602.19
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,177.79	694.57
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,532.81	903.29
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,133.91	361.31
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,181.52	392.79
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,270.77	451.64
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,364.45	501.60
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,946.24	602.19
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,160.95	694.57
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,553.67	903.29
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,972.69	1,129.10
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	894.50	88.96
		For Bird Screen, Add	*40.60*	
		For Backdraft Damper, Add	*97.15*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,055.78	88.96
		For Bird Screen, Add	*40.60*	
		For Backdraft Damper, Add	*97.15*	
		For Damper Motor, Add	*158.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0113		Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*		
		Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,565.22	88.96
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*40.60*	
		For Wall Mounted Fan, Add	*62.61*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*117.92*	
		For Backdraft Damper, Add	*97.15*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,635.22	88.96
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*40.60*	
		For Wall Mounted Fan, Add	*65.41*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*123.87*	
		For Backdraft Damper, Add	*97.15*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,392.41	102.64
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*46.20*	
		For Wall Mounted Fan, Add	*55.70*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*100.91*	
		For Backdraft Damper, Add	*110.31*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,493.20	102.64
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*46.20*	
		For Wall Mounted Fan, Add	*59.73*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*109.47*	
		For Backdraft Damper, Add	*110.31*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,902.59	119.75
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*46.20*	
		For Wall Mounted Fan, Add	*76.10*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*141.36*	
		For Backdraft Damper, Add	*110.31*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,010.38	119.75
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*46.20*	
		For Wall Mounted Fan, Add	*80.42*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*150.52*	
		For Backdraft Damper, Add	*110.31*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,191.28	128.30
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*76.99*	
		For Wall Mounted Fan, Add	*87.65*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*164.45*	
		For Backdraft Damper, Add	*138.09*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,359.27	128.30
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*76.99*	
		For Wall Mounted Fan, Add	*94.37*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*178.73*	
		For Backdraft Damper, Add	*138.09*	
		For Damper Motor, Add	*158.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,395.98	136.86
		For Bird Screen, Add	*76.99*	
		For Wall Mounted Fan, Add	*95.84*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*180.39*	
		For Backdraft Damper, Add	*138.09*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,632.56	136.86
		For Bird Screen, Add	*76.99*	
		For Wall Mounted Fan, Add	*105.30*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*200.50*	
		For Backdraft Damper, Add	*138.09*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,033.54	153.97
		For Bird Screen, Add	*90.99*	
		For Wall Mounted Fan, Add	*121.34*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*231.68*	
		For Backdraft Damper, Add	*149.62*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,250.52	153.97
		For Bird Screen, Add	*90.99*	
		For Wall Mounted Fan, Add	*130.02*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*250.12*	
		For Backdraft Damper, Add	*149.62*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,857.30	171.07
		For Bird Screen, Add	*97.99*	
		For Wall Mounted Fan, Add	*154.29*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*298.79*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,928.69	171.07
		For Bird Screen, Add	*97.99*	
		For Wall Mounted Fan, Add	*157.15*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*304.86*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,291.27	171.07
		For Bird Screen, Add	*97.99*	
		For Wall Mounted Fan, Add	*171.65*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*335.68*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,466.26	171.07
		For Bird Screen, Add	*97.99*	
		For Wall Mounted Fan, Add	*178.65*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*350.55*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,917.86	188.18
		For Bird Screen, Add	*111.99*	
		For Wall Mounted Fan, Add	*196.71*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*386.03*	
		For Damper Motor, Add	*158.62*	
		For Backdraft Damper, Add	*195.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,119.09	188.18
		For Bird Screen, Add	*111.99*	
		For Wall Mounted Fan, Add	*204.76*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*403.13*	
		For Damper Motor, Add	*158.62*	
		For Backdraft Damper, Add	*195.63*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	5,158.95	205.29
		For Bird Screen, Add	*111.99*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*403.61*	
		For Damper Motor, Add	*158.62*	
		For Backdraft Damper, Add	*227.51*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	5,600.76	205.29
		For Bird Screen, Add	*111.99*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*441.17*	
		For Damper Motor, Add	*158.62*	
		For Backdraft Damper, Add	*227.51*	
23 34 16 00-0134		**Untempered Kitchen Make-Up Air Fans** *(23 34 16 00-0108)* Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135		**Direct Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,043.38	88.96
		For Extended Weatherhood, Add	*174.28*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,098.17	88.96
		For Extended Weatherhood, Add	*182.50*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,165.41	88.96
		For Extended Weatherhood, Add	*192.59*	
23 34 16 00-0139		**Belt Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,191.49	88.96
		For Extended Weatherhood, Add	*196.50*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,327.75	119.75
		For Extended Weatherhood, Add	*223.11*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,603.63	136.86
		For Extended Weatherhood, Add	*267.92*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,854.04	171.07
		For Extended Weatherhood, Add	*312.32*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,244.42	205.29
		For Extended Weatherhood, Add	*377.72*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	558.29	251.53
23 34 16 00-0148	EA	Fan Belt, Replacement	90.32	34.09
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	3,630.66	123.08
		For Explosion Proof Motor, Add	*507.68*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	3,943.92	147.85
		For Explosion Proof Motor, Add	*547.23*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,677.17	184.81
		For Explosion Proof Motor, Add	*646.13*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	5,020.45	246.54
		For Explosion Proof Motor, Add	*679.10*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	5,750.07	369.62
		For Explosion Proof Motor, Add	*751.62*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,917.76	739.25
		For Explosion Proof Motor, Add	*1,265.89*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	14,464.70	1,056.75
		For Explosion Proof Motor, Add	*1,852.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,630.66	123.08
		For Explosion Proof Motor, Add	*507.68*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,724.14	147.85
		For Explosion Proof Motor, Add	*514.27*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,798.07	184.81
		For Explosion Proof Motor, Add	*514.27*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,921.58	246.54
		For Explosion Proof Motor, Add	*514.27*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,398.43	369.62
		For Explosion Proof Motor, Add	*698.88*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,583.24	462.02
		For Explosion Proof Motor, Add	*698.88*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,716.58	528.71
		For Explosion Proof Motor, Add	*698.88*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,855.95	554.43
		For Explosion Proof Motor, Add	*712.06*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,023.13	616.01
		For Explosion Proof Motor, Add	*718.66*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,060.67	88.96
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,361.86	95.80
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,494.22	102.64
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,562.88	102.64
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,795.63	119.75
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	2,024.76	119.75
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,219.55	119.75
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	2,154.51	136.86
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,484.39	136.86
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	3,162.56	171.07
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	3,344.67	171.07
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	3,473.04	171.07
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	4,013.97	205.29
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	4,167.19	205.29
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	4,355.48	205.29
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan	305.57	59.88
23 34 16 00-0188	EA	1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan	325.13	59.88
23 34 16 00-0189	EA	1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan	351.67	59.88
23 34 16 00-0190	EA	950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan	350.28	59.88
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan	350.28	59.88
23 34 16 00-0192	EA	1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan	392.19	59.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0193	EA	900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan	474.49	63.29
23 34 16 00-0194	EA	1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan	400.44	63.29
23 34 16 00-0195	EA	1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan	428.38	63.29
23 34 16 00-0196	EA	1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan	446.54	63.29
23 34 16 00-0197	EA	1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan	467.50	63.29
23 34 16 00-0198	EA	1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan	467.50	63.29
23 34 16 00-0199	EA	1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan	777.52	66.72
23 34 16 00-0200	EA	1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan	650.38	66.72
23 34 16 00-0201	EA	1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan	650.38	66.72
23 34 16 00-0202	EA	950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan	889.29	66.72
23 34 16 00-0203	EA	1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan	889.29	66.72
23 34 16 00-0204	EA	1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan	889.29	66.72
23 34 16 00-0205	EA	1,610 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan	968.92	66.72

23 34 16 00-0206 Propeller And Ceiling Fans *(23 34 16)*

23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan *(23 34 16 00-0206)*

Note: Greenheck SE1.

23 34 16 00-0208	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	466.34	73.23
		For Backdraft Damper, Add	*113.04*	
		For Wall Mount Collar, Add	*187.90*	
23 34 16 00-0209	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	492.56	81.43
		For Backdraft Damper, Add	*121.32*	
		For Wall Mount Collar, Add	*187.90*	
23 34 16 00-0210	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	545.34	90.32
		For Backdraft Damper, Add	*132.86*	
		For Wall Mount Collar, Add	*192.78*	
23 34 16 00-0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	808.77	99.91
		For Backdraft Damper, Add	*159.00*	
		For Wall Mount Collar, Add	*196.27*	
		For Motor Side Guard, Add	*163.64*	
23 34 16 00-0212	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	762.71	110.86
		For Backdraft Damper, Add	*159.00*	
		For Wall Mount Collar, Add	*201.15*	
		For Motor Side Guard, Add	*174.12*	
23 34 16 00-0213	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	857.55	123.17
		For Backdraft Damper, Add	*193.26*	
		For Wall Mount Collar, Add	*206.03*	
		For Motor Side Guard, Add	*184.60*	
23 34 16 00-0214	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	979.33	136.86
		For Backdraft Damper, Add	*193.26*	
		For Wall Mount Collar, Add	*209.52*	
		For Motor Side Guard, Add	*199.28*	

23 34 16 00-0215 Belt Drive Propeller Exhaust Fans *(23 34 16 00-0206)*

Note: Wall shutter 1/8" static pressure, with birdscreen.

23 34 16 00-0216	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	1,448.10	195.71
23 34 16 00-0217	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	1,658.55	227.87
23 34 16 00-0218	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	1,881.62	273.73
23 34 16 00-0219	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	2,619.44	342.15
23 34 16 00-0220	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	3,125.52	456.43
23 34 16 00-0221	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	4,341.90	684.30
23 34 16 00-0222	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	5,212.24	877.27

23 34 16 00-0223 Propeller Exhaust Fan Accessories *(23 34 16 00-0206)*

23 34 16 00-0224	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	74.45	
23 34 16 00-0225	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	171.41	

23 34 16 00-0226 Reversible Ceiling Fans *(23 34 16 00-0206)*

23 34 16 00-0227 4 Blade Ceiling Fans *(23 34 16 00-0226)*

23 34 16 00-0228	EA	42" 4-Blade Ceiling Fan, Three Speed	350.67	39.66
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.66*	

23 34 16 00-0229 5 Blade Ceiling Fans *(23 34 16 00-0226)*

23 34 16 00-0230	EA	42" 5-Blade Ceiling Fan, Three Speed	383.37	98.14
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.70*	
23 34 16 00-0231	EA	52" 5-Blade Ceiling Fan, Three Speed	437.41	98.14
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.78*	

23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans *(23 34 16 00-0226)*

23 34 16 00-0233	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	349.12	33.88

23 34 16 00-0234 Exhaust Fans *(23 34 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0235		Exhaust Fans *(23 34 16 00-0234)* Note: Excludes ducting.		
23 34 16 00-0236		Light Duty Exhaust Fans *(23 34 16 00-0235)*		
23 34 16 00-0237		Light Duty Exhaust Fans *(23 34 16 00-0236)*		
23 34 16 00-0238	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	94.76	32.05
23 34 16 00-0239	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	99.88	32.05
23 34 16 00-0240	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	161.37	32.05
23 34 16 00-0241	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	202.48	32.05
23 34 16 00-0242	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	181.61	32.05
23 34 16 00-0243	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	239.99	32.05
23 34 16 00-0244		Light Duty Exhaust Fans With Lights *(23 34 16 00-0236)*		
23 34 16 00-0245	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	122.15	32.05
23 34 16 00-0246	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	134.98	32.05
23 34 16 00-0247	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	247.83	32.05
23 34 16 00-0248		Light Duty Exhaust Fans With Heaters *(23 34 16 00-0236)*		
23 34 16 00-0249	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	124.93	32.05
23 34 16 00-0250	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	195.29	32.05
23 34 16 00-0251		Light Duty Exhaust Fans With Heaters And Lights *(23 34 16 00-0236)*		
23 34 16 00-0252	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	207.49	32.05
23 34 16 00-0253	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	312.21	32.05
23 34 16 00-0254		Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0235)*		
23 34 16 00-0255		Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0254)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0256	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	144.31	32.05
23 34 16 00-0257	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	159.01	32.05
23 34 16 00-0258	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	286.29	32.05
23 34 16 00-0259	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	293.11	32.05
23 34 16 00-0260	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	314.32	32.05
23 34 16 00-0261	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	327.88	32.05
23 34 16 00-0262	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	333.13	32.05
23 34 16 00-0263	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	380.48	32.05
23 34 16 00-0264	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	432.71	32.05
23 34 16 00-0265	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	462.45	32.05
23 34 16 00-0266	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	549.36	32.05
23 34 16 00-0267	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	704.16	32.05
23 34 16 00-0268		Heavy Duty/Continuous Operation Kitchen Exhaust Fans *(23 34 16 00-0254)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0269	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	297.08	32.05
23 34 16 00-0270	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	428.80	32.05
23 34 16 00-0271	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	453.19	32.05
23 34 16 00-0272		Heavy Duty/Continuous Operation Exhaust Fans With Lights *(23 34 16 00-0254)*		
23 34 16 00-0273	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	156.35	32.05
23 34 16 00-0274	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	170.16	32.05
23 34 16 00-0275		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0254)*		
23 34 16 00-0276	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	162.41	32.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0277	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	171.56	32.05
23 34 16 00-0278	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	175.97	32.05
23 34 16 00-0279		Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans *(23 34 16 00-0235)*		
23 34 16 00-0280	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	756.21	32.05
23 34 16 00-0281	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	756.21	32.05
23 34 16 00-0282	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	756.21	32.05
23 34 16 00-0283	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	829.32	32.05
23 34 16 00-0284		Room-To-Room Exhaust Fans *(23 34 16 00-0235)*		
23 34 16 00-0285	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	118.70	32.05
23 34 16 00-0286	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	193.38	32.05
23 34 16 00-0287	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	220.59	32.05
23 34 16 00-0288		Through-Wall Exhaust Fans *(23 34 16 00-0235)*		
23 34 16 00-0289	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	206.36	32.05
23 34 16 00-0290	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	243.87	32.05
23 34 16 00-0291	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	180.57	32.05
23 34 16 00-0292	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	239.99	32.05
23 34 16 00-0293	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	415.89	32.05
23 34 16 00-0294		Exhaust Fan Accessories *(23 34 16 00-0235)*		
23 34 16 00-0295		Exhaust Fan Controls *(23 34 16 00-0294)*		
23 34 16 00-0296	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	113.77	20.03
23 34 16 00-0297	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	80.60	20.03
23 34 16 00-0298	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	81.39	20.03
23 34 16 00-0299		Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0294)*		
23 34 16 00-0300		Wall Caps For Exhaust Fans *(23 34 16 00-0299)*		
23 34 16 00-0301	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	176.74	37.12
23 34 16 00-0302	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	179.35	37.12
23 34 16 00-0303		Roof Caps For Exhaust Fans *(23 34 16 00-0299)* Note: Includes flashing and built in bird screen.		
23 34 16 00-0304	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	149.78	37.12
23 34 16 00-0305	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	217.61	37.12
23 34 16 00-0306	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	97.64	37.12
23 34 16 00-0307	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	117.99	37.12
23 34 16 00-0308		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0235)* Note: Includes storage and cleaning.		
23 34 16 00-0309	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	51.32	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	461.22	97.86
		For 12" Roof Curb, Add	*138.43*	
		For Backdraft Damper, Add	*90.49*	
		For Solid State Speed Control, Add	*73.57*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	506.08	110.86
		For 12" Roof Curb, Add	*138.43*	
		For Backdraft Damper, Add	*90.49*	
		For Solid State Speed Control, Add	*73.57*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	739.54	129.33
		For 12" Roof Curb, Add	*142.62*	
		For Backdraft Damper, Add	*97.15*	
		For Solid State Speed Control, Add	*73.57*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	759.28	145.76
		For 12" Roof Curb, Add	*142.62*	
		For Backdraft Damper, Add	*97.15*	
		For Solid State Speed Control, Add	*73.57*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	982.94	160.81
		For Solid State Speed Control, Add	*73.57*	
		For Damper Motor, Add	*158.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,114.39	171.07
		For 12" Roof Curb, Add	*149.62*	
		For Backdraft Damper, Add	*110.31*	
		For Solid State Speed Control, Add	*116.96*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0009		**Belt Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)*		
		Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,054.02	145.76
		For 12" Roof Curb, Add	*142.62*	
		For Backdraft Damper, Add	*97.15*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,152.96	185.45
		For 12" Roof Curb, Add	*149.62*	
		For Backdraft Damper, Add	*110.31*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,581.59	221.03
		For 12" Roof Curb, Add	*149.62*	
		For Backdraft Damper, Add	*110.31*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,022.80	273.73
		For 12" Roof Curb, Add	*183.22*	
		For Backdraft Damper, Add	*138.09*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,681.30	342.15
		For 12" Roof Curb, Add	*198.62*	
		For Backdraft Damper, Add	*149.62*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,824.57	427.69
		For 12" Roof Curb, Add	*222.42*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,858.17	427.69
		For 12" Roof Curb, Add	*222.42*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	4,220.74	427.69
		For 12" Roof Curb, Add	*222.42*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,916.23	427.69
		For 12" Roof Curb, Add	*222.42*	
		For Backdraft Damper, Add	*166.01*	
		For Damper Motor, Add	*158.62*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)*		
		Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	4,918.37	526.23
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	8,074.31	684.10
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	1,938.14	273.24
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,621.61	342.08
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	88.95	
23 34 23 00-0027		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0028		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0027)*		
23 34 23 00-0029		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	592.31	110.18
		For Solid State Speed Control, Add	*116.96*	
		For Backdraft Damper, Add	*125.84*	
		For Damper Motor, Add	*272.79*	
		For Interior Wall Grill, Add	*90.84*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	678.20	129.33
		For Solid State Speed Control, Add	*116.96*	
		For Backdraft Damper, Add	*139.00*	
		For Damper Motor, Add	*272.79*	
		For Interior Wall Grill, Add	*108.32*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,042.80	145.76
		For Solid State Speed Control, Add	*116.96*	
		For Backdraft Damper, Add	*157.03*	
		For Damper Motor, Add	*272.79*	
		For Interior Wall Grill, Add	*125.80*	
23 34 23 00-0033		**Belt Drive, Aluminum, Centrifugal Sidewall Exhausters** *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,697.00	82.06
		For Solid State Speed Control, Add	*116.96*	
		For Backdraft Damper, Add	*145.17*	
		For Damper Motor, Add	*272.79*	
		For Interior Wall Grill, Add	*192.28*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,790.50	92.41
		For Solid State Speed Control, Add	*116.96*	
		For Backdraft Damper, Add	*145.17*	
		For Damper Motor, Add	*272.79*	
		For Interior Wall Grill, Add	*192.28*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,202.09	105.71
		For Solid State Speed Control, Add	*116.96*	
		For Backdraft Damper, Add	*182.25*	
		For Damper Motor, Add	*272.79*	
		For Interior Wall Grill, Add	*223.76*	

23 34 33 Air Curtains *(23 34)*

23 34 33 00-0001 Unheated Air Curtains For Entrances *(23 34 33)*

23 34 33 00-0002 Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*

23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	1,495.23	501.60
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	1,516.84	501.60
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	1,540.26	501.60
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	1,927.52	501.60
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	2,184.06	602.19
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	2,319.15	602.19
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,567.58	694.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,107.04	694.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,175.48	694.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,357.41	694.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*315.60*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*234.44*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*360.68*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,853.67	501.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,881.59	501.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,893.29	501.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	1,915.81	501.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,005.40	602.19
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,144.10	602.19
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	3,341.19	694.57
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	3,821.21	694.57
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	3,871.65	694.57
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	4,067.98	694.57
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*209.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	1,282.14	395.53
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)*		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	3,011.00	441.72
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	3,294.65	441.72
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	3,612.76	529.99
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	3,953.14	529.99
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	4,816.44	706.55
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	5,270.27	706.55
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	5,869.41	860.85
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	6,422.52	860.85
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	7,374.77	1,081.55
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	8,750.45	1,081.55
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	8,428.75	1,236.19
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	10,000.62	1,236.19
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	9,630.54	1,412.75
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	11,426.96	1,412.75
		For Door Limit Switch, Combination Roller And Plunger, Add	*115.93*	
		For Flat Side Extension Plates, Add	*104.96*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*209.93*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*251.92*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*265.91*	

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 16 Engine Exhaust Systems *(23 35)*

23 35 16 16 Mechanical Engine Exhaust Systems *(23 35 16)*

23 35 16 16-0001 Tailpipe Exhaust Equipment *(23 35 16 16)*

23 35 16 16-0002 Overhead Tailpipe Exhaust System *(23 35 16 16-0001)*

23 35 16 16-0003 Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0002)*

23 35 16 16-0004 Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*

23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,157.33	145.76
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,494.64	297.67
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,472.96	360.63

23 35 16 16-0008 Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*

23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,425.36	297.67
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,582.99	360.63
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,089.62	570.71
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,780.45	736.31
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,778.52	877.27

23 35 16 16-0014 Spiral Exhaust Duct Accessories *(23 35 16 16-0002)*

23 35 16 16-0015 Flex Hose x Length *(23 35 16 16-0014)*

Note: Includes duct coupler, damper and tailpipe adapter.

23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	103.52	36.26
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	89.14	36.26
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	158.99	57.48
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	134.97	57.48
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	226.89	91.01
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	218.29	91.01
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	347.40	144.38
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	329.32	144.38

23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0014)*

23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	114.98	36.26
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	167.36	57.48
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	98.42	36.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	142.80	57.48
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	874.55	48.86
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	770.63	89.64
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	848.47	89.64
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	41.03	6.98
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	45.81	6.98

23 35 16 16-0034 Flexible Hose *(23 35 16 16-0014)*

23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing	23.95	1.71
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing	30.49	1.92
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing	36.23	1.99
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing	42.76	2.12
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	13.65	1.71
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	16.03	1.92
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	18.37	1.99
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	20.49	2.12

23 35 16 16-0043 Accessories *(23 35 16 16-0002)*

23 35 16 16-0044	EA	3" Tail Pipe Adapter	34.02	5.13
23 35 16 16-0045	EA	4" Tail Pipe Adapter	34.97	5.13
23 35 16 16-0046	EA	5" Tail Pipe Adapter	37.29	5.82
23 35 16 16-0047	EA	3" Bullnose (Guide)	18.99	3.42
23 35 16 16-0048	EA	4" Bullnose (Guide)	20.20	3.76
23 35 16 16-0049	EA	5" Bullnose (Guide)	21.57	4.10
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	141.54	38.80
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.08	

23 35 19 Fume Exhaust Systems *(23 35)*

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	1,520.05	273.51
23 35 19 00-0002	EA	Hose Extension Kit 5'	248.80	60.76

23 36 Air Terminal Units *(23 30)*

23 36 13 Constant-Air-Volume Units *(23 36)*

23 36 13 00-0001 Vertical Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,298.34	99.43
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	1,567.41	107.08
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	1,673.68	110.90
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	1,787.61	118.55
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,021.50	122.38

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,095.42	99.43
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,313.64	107.08
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,574.03	112.82

23 36 13 00-0011 Duct Boxes, Constant Volume Control *(23 36 13)*

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	464.20	28.09
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	512.90	30.31
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	536.57	33.27
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	547.91	34.74
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	562.25	38.44
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	641.96	42.87
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	679.38	48.05
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	733.50	57.66
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	787.40	66.54
		For Boxes With Motor, Add	*20.00*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	630.42	28.09
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	675.57	30.31
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	708.48	33.27
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	738.15	34.74
		For Boxes With Motor, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	752.49	38.44
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	863.32	43.62
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	945.72	48.05
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,029.53	57.66
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,088.15	66.54
		For Boxes With Motor, Add	*20.00*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	411.27	34.00
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	459.60	38.44
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	510.99	42.87
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	543.28	48.05
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	751.91	103.42
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	891.92	122.71
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0009 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With pneumatic controls.

23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	896.77	34.00
		For Fan Powered Variable Air Volume Box, Add	*976.74*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	967.88	38.44
		For Fan Powered Variable Air Volume Box, Add	*1,045.73*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,010.50	42.87
		For Fan Powered Variable Air Volume Box, Add	*1,077.71*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,051.55	48.05
		For Fan Powered Variable Air Volume Box, Add	*1,107.53*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,212.86	103.42
		For Fan Powered Variable Air Volume Box, Add	*1,241.37*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	1,391.43	122.71
		For Fan Powered Variable Air Volume Box, Add	*1,342.50*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0016 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With analog electronic controls.

23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	1,501.44	34.00
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	1,558.53	38.44
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	1,609.92	42.87
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	1,684.27	48.05
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	1,847.33	103.42
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	1,882.39	103.42
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,019.53	67.20
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,113.47	76.51
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,189.83	86.42
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,304.04	96.40
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	1,464.79	110.89
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	1,603.31	133.06
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	360.30	46.20
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	391.08	50.82
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	422.69	55.44
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	455.24	60.07
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	488.78	64.68
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	523.36	69.31
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	561.96	73.92
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	599.08	78.55
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	637.51	83.17
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	677.33	87.78
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	718.65	92.41
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	761.55	97.02
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	806.17	101.65
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	848.67	106.26
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	896.81	110.89
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets And Inlets *(23 30)*

23 37 13 Diffusers, Registers, And Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	75.42	9.61
		For Steel Construction, Deduct	*-5.61*	
		For Surface Mount, Deduct	*-4.49*	
		For Diffuser Without Damper, Deduct	*-7.48*	
		For Stainless Steel, Add	*93.53*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	83.73	9.61
		For Steel Construction, Deduct	*-6.86*	
		For Surface Mount, Deduct	*-5.49*	
		For Diffuser Without Damper, Deduct	*-9.14*	
		For Stainless Steel, Add	*114.30*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	83.73	9.61
		For Steel Construction, Deduct	*-6.86*	
		For Surface Mount, Deduct	*-5.49*	
		For Diffuser Without Damper, Deduct	*-9.14*	
		For Stainless Steel, Add	*114.30*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	100.62	11.83
		For Steel Construction, Deduct	*-8.21*	
		For Surface Mount, Deduct	*-6.57*	
		For Diffuser Without Damper, Deduct	*-10.95*	
		For Stainless Steel, Add	*136.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	100.62	11.09
		For Steel Construction, Deduct	*-8.21*	
		For Surface Mount, Deduct	*-6.57*	
		For Diffuser Without Damper, Deduct	*-10.95*	
		For Stainless Steel, Add	*136.83*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	115.86	11.09
		For Steel Construction, Deduct	*-10.50*	
		For Surface Mount, Deduct	*-8.40*	
		For Diffuser Without Damper, Deduct	*-13.99*	
		For Stainless Steel, Add	*174.93*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	132.84	14.78
		For Steel Construction, Deduct	*-11.28*	
		For Surface Mount, Deduct	*-9.03*	
		For Diffuser Without Damper, Deduct	*-15.05*	
		For Stainless Steel, Add	*188.08*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	154.42	15.52
		For Steel Construction, Deduct	*-14.09*	
		For Surface Mount, Deduct	*-11.27*	
		For Diffuser Without Damper, Deduct	*-18.79*	
		For Stainless Steel, Add	*234.85*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	174.88	17.74
		For Steel Construction, Deduct	*-15.67*	
		For Surface Mount, Deduct	*-12.54*	
		For Lay-In Mount, Deduct	*-12.54*	
		For Diffuser Without Damper, Deduct	*-20.89*	
		For Stainless Steel, Add	*261.18*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	78.19	9.61
		For Steel Construction, Deduct	*-6.03*	
		For Flush Mount, Add	*6.03*	
		For Stainless Steel, Add	*100.45*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	89.00	9.61
		For Steel Construction, Deduct	*-7.65*	
		For Flush Mount, Add	*7.65*	
		For Stainless Steel, Add	*127.48*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	89.00	9.61
		For Steel Construction, Deduct	*-7.65*	
		For Flush Mount, Add	*7.65*	
		For Stainless Steel, Add	*127.48*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	106.85	11.09
		For Steel Construction, Deduct	*-9.14*	
		For Flush Mount, Add	*9.14*	
		For Stainless Steel, Add	*152.40*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	106.85	11.83
		For Steel Construction, Deduct	*-9.14*	
		For Flush Mount, Add	*9.14*	
		For Stainless Steel, Add	*152.40*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	137.67	14.78
		For Steel Construction, Deduct	*-11.97*	
		For Flush Mount, Add	*11.97*	
		For Stainless Steel, Add	*199.53*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	122.98	14.78
		For Steel Construction, Deduct	*-9.77*	
		For Flush Mount, Add	*9.77*	
		For Stainless Steel, Add	*162.80*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	153.58	17.74
		For Steel Construction, Deduct	*-12.53*	
		For Flush Mount, Add	*12.53*	
		For Stainless Steel, Add	*208.88*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	177.75	19.95
		For Steel Construction, Deduct	*-15.59*	
		For Flush Mount, Add	*15.59*	
		For Stainless Steel, Add	*259.78*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	194.25	39.10
		For Steel Construction, Deduct	*-17.40*	
		For Flush Mount, Add	*17.40*	
		For Lay-In Mount, Add	*23.19*	
		For Stainless Steel, Add	*289.93*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	127.95	9.61
		For Steel Construction, Deduct	*-26.98*	
		For Stainless Steel, Add	*224.85*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	132.56	9.61
		For Steel Construction, Deduct	*-28.37*	
		For Stainless Steel, Add	*236.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	149.66	11.83
		For Steel Construction, Deduct	*-31.13*	
		For Stainless Steel, Add	*259.43*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	161.19	11.09
		For Steel Construction, Deduct	*-34.59*	
		For Stainless Steel, Add	*288.25*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	230.79	13.30
		For Steel Construction, Deduct	*-53.27*	
		For Stainless Steel, Add	*443.93*	
23 37 13 13-0029	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	256.18	14.78
		For Steel Construction, Deduct	*-59.50*	
		For Stainless Steel, Add	*495.80*	
23 37 13 13-0030	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	296.21	14.78
		For Steel Construction, Deduct	*-70.72*	
		For Stainless Steel, Add	*589.33*	
23 37 13 13-0031	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	353.51	17.00
		For Steel Construction, Deduct	*-86.09*	
		For Stainless Steel, Add	*717.43*	
23 37 13 13-0032	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	398.00	17.74
		For Steel Construction, Deduct	*-98.39*	
		For Stainless Steel, Add	*819.93*	
23 37 13 13-0033	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	475.43	19.95
		For Steel Construction, Deduct	*-119.15*	
		For Stainless Steel, Add	*992.88*	

23 37 13 13-0034 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0035	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	134.86	9.61
		For Steel Construction, Deduct	*-9.69*	
		For Flush Mount, Deduct	*-4.84*	
		For Stainless Steel, Add	*242.13*	
23 37 13 13-0036	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	146.78	9.61
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Deduct	*-5.44*	
		For Stainless Steel, Add	*271.93*	
23 37 13 13-0037	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	166.32	11.83
		For Steel Construction, Deduct	*-12.04*	
		For Flush Mount, Deduct	*-6.02*	
		For Stainless Steel, Add	*301.08*	
23 37 13 13-0038	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	179.64	11.83
		For Steel Construction, Deduct	*-13.38*	
		For Flush Mount, Deduct	*-6.69*	
		For Stainless Steel, Add	*334.38*	
23 37 13 13-0039	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	260.76	13.30
		For Steel Construction, Deduct	*-20.75*	
		For Flush Mount, Deduct	*-10.38*	
		For Stainless Steel, Add	*518.85*	
23 37 13 13-0040	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	293.85	14.78
		For Steel Construction, Deduct	*-23.60*	
		For Flush Mount, Deduct	*-11.80*	
		For Stainless Steel, Add	*589.98*	
23 37 13 13-0041	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	341.05	15.52
		For Steel Construction, Deduct	*-28.06*	
		For Flush Mount, Deduct	*-14.03*	
		For Stainless Steel, Add	*701.43*	
23 37 13 13-0042	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	385.29	17.00
		For Steel Construction, Deduct	*-31.88*	
		For Flush Mount, Deduct	*-15.94*	
		For Stainless Steel, Add	*796.88*	
23 37 13 13-0043	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	467.18	17.74
		For Steel Construction, Deduct	*-39.72*	
		For Flush Mount, Deduct	*-19.86*	
		For Stainless Steel, Add	*992.88*	
23 37 13 13-0044	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	562.81	19.95
		For Steel Construction, Deduct	*-48.45*	
		For Flush Mount, Deduct	*-24.23*	
		For Stainless Steel, Add	*1,211.33*	
23 37 13 13-0045	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	623.56	41.62
		For Stainless Steel, Add	*1,350.98*	

23 37 13 13-0046 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0047	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	102.55	11.09
		For Stainless Steel, Add	*145.50*	
23 37 13 13-0048	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	110.46	11.09
		For Stainless Steel, Add	*165.28*	
23 37 13 13-0049	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	120.19	11.09
		For Stainless Steel, Add	*189.60*	
23 37 13 13-0050	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	129.67	11.09
		For Stainless Steel, Add	*213.30*	

23 37 13 13-0051 Wall And Floor Diffusers *(23 37 13 13)*

23 37 13 13-0052 Slot Type Linear Diffusers *(23 37 13 13-0051)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0053	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	34.75	3.70
		For 3/4" Border, Add	*4.81*	
		For Floor Mounted Diffusers, Add	*5.77*	
		For Stainless Steel, Add	*24.99*	
23 37 13 13-0054	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	42.61	4.43
		For 3/4" Border, Add	*6.41*	
		For Floor Mounted Diffusers, Add	*7.69*	
		For Stainless Steel, Add	*33.31*	
23 37 13 13-0055	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	59.59	5.17
		For 3/4" Border, Add	*10.09*	
		For Floor Mounted Diffusers, Add	*12.11*	
		For Stainless Steel, Add	*52.47*	
23 37 13 13-0056	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	79.08	5.17
		For 3/4" Border, Add	*14.41*	
		For Floor Mounted Diffusers, Add	*17.30*	
		For Stainless Steel, Add	*74.95*	
23 37 13 13-0057	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	99.37	5.92
		For 3/4" Border, Add	*18.74*	
		For Floor Mounted Diffusers, Add	*22.49*	
		For Stainless Steel, Add	*97.44*	
23 37 13 13-0058	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	116.47	7.40
		For 3/4" Border, Add	*22.10*	
		For Floor Mounted Diffusers, Add	*26.52*	
		For Stainless Steel, Add	*114.92*	

23 37 13 13-0059 Linear Bar Grilles And Registers *(23 37 13 13-0051)*

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 13-0060	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	109.87	4.43
		For Floor Mount, Add	*9.29*	
		For Opposed Blade Damper, Add	*18.58*	
		For Stainless Steel, Add	*120.74*	
23 37 13 13-0061	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	131.33	5.17
		For Floor Mount, Add	*11.21*	
		For Opposed Blade Damper, Add	*22.42*	
		For Stainless Steel, Add	*145.73*	
23 37 13 13-0062	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	143.14	5.17
		For Floor Mount, Add	*12.17*	
		For Opposed Blade Damper, Add	*24.34*	
		For Stainless Steel, Add	*158.22*	
23 37 13 13-0063	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	175.40	7.40
		For Floor Mount, Add	*14.73*	
		For Opposed Blade Damper, Add	*29.47*	
		For Stainless Steel, Add	*191.53*	
23 37 13 13-0064	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	242.67	9.61
		For Floor Mount, Add	*20.50*	
		For Opposed Blade Damper, Add	*41.00*	
		For Stainless Steel, Add	*266.47*	
23 37 13 13-0065	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	279.70	11.09
		For Floor Mount, Add	*23.38*	
		For Opposed Blade Damper, Add	*46.76*	
		For Stainless Steel, Add	*303.95*	

23 37 13 13-0066 Return/Exhaust Registers And Grilles *(23 37 13 13)*

23 37 13 13-0067 Return/Exhaust Registers With Frame *(23 37 13 13-0066)*

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 13-0068	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	74.51	5.92
		For Steel Construction, Deduct	*-10.31*	
		For Grilles (No Damper), Deduct	*-20.63*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*5.16*	
		For Cube Core Lay In, Add	*10.31*	
		For Stainless Steel, Add	*128.93*	
23 37 13 13-0069	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	85.72	5.92
		For Steel Construction, Deduct	*-12.56*	
		For Grilles (No Damper), Deduct	*-25.11*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.28*	
		For Cube Core Lay In, Add	*12.56*	
		For Stainless Steel, Add	*156.95*	
23 37 13 13-0070	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	96.12	6.65
		For Steel Construction, Deduct	*-13.90*	
		For Grilles (No Damper), Deduct	*-27.80*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.95*	
		For Cube Core Lay In, Add	*13.90*	
		For Stainless Steel, Add	*173.75*	
23 37 13 13-0071	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	100.44	7.40
		For Steel Construction, Deduct	*-13.90*	
		For Grilles (No Damper), Deduct	*-27.80*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.95*	
		For Cube Core Lay In, Add	*13.90*	
		For Stainless Steel, Add	*173.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0072	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	95.96	7.40
		For Steel Construction, Deduct	*-13.00*	
		For Grilles (No Damper), Deduct	*-26.01*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.50*	
		For Cube Core Lay In, Add	*13.00*	
		For Stainless Steel, Add	*162.55*	
23 37 13 13-0073	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	123.21	9.61
		For Steel Construction, Deduct	*-17.04*	
		For Grilles (No Damper), Deduct	*-34.08*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*8.52*	
		For Cube Core Lay In, Add	*17.04*	
		For Stainless Steel, Add	*213.00*	
23 37 13 13-0074	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	147.61	11.09
		For Steel Construction, Deduct	*-20.34*	
		For Grilles (No Damper), Deduct	*-40.69*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*10.17*	
		For Cube Core Lay In, Add	*20.34*	
		For Stainless Steel, Add	*254.30*	
23 37 13 13-0075	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	181.01	13.30
		For Steel Construction, Deduct	*-25.56*	
		For Grilles (No Damper), Deduct	*-51.12*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.78*	
		For Cube Core Lay In, Add	*25.56*	
		For Stainless Steel, Add	*319.48*	
23 37 13 13-0076	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	212.61	14.78
		For Steel Construction, Deduct	*-30.95*	
		For Grilles (No Damper), Deduct	*-61.90*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.48*	
		For Cube Core Lay In, Add	*30.95*	
		For Stainless Steel, Add	*386.88*	
23 37 13 13-0077	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	189.92	14.78
		For Steel Construction, Deduct	*-25.89*	
		For Grilles (No Damper), Deduct	*-51.78*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.94*	
		For Cube Core Lay In, Add	*25.89*	
		For Stainless Steel, Add	*323.60*	
23 37 13 13-0078	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	217.41	14.78
		For Steel Construction, Deduct	*-31.39*	
		For Grilles (No Damper), Deduct	*-62.77*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.69*	
		For Cube Core Lay In, Add	*31.39*	
		For Stainless Steel, Add	*392.33*	
23 37 13 13-0079	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	229.20	17.00
		For Steel Construction, Deduct	*-32.53*	
		For Grilles (No Damper), Deduct	*-65.06*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*16.27*	
		For Cube Core Lay In, Add	*32.53*	
		For Stainless Steel, Add	*406.65*	
23 37 13 13-0080	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	242.90	17.74
		For Steel Construction, Deduct	*-34.57*	
		For Grilles (No Damper), Deduct	*-69.15*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*17.29*	
		For Cube Core Lay In, Add	*34.57*	
		For Stainless Steel, Add	*432.18*	
23 37 13 13-0081	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	280.05	19.95
		For Steel Construction, Deduct	*-40.35*	
		For Grilles (No Damper), Deduct	*-80.71*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*20.18*	
		For Cube Core Lay In, Add	*40.35*	
		For Stainless Steel, Add	*504.43*	
23 37 13 13-0082	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	313.40	23.65
		For Steel Construction, Deduct	*-43.67*	
		For Grilles (No Damper), Deduct	*-87.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*21.84*	
		For Cube Core Lay In, Add	*43.67*	
		For Stainless Steel, Add	*545.88*	
23 37 13 13-0083	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	408.34	23.65
		For Steel Construction, Deduct	*-62.66*	
		For Grilles (No Damper), Deduct	*-125.32*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.33*	
		For Cube Core Lay In, Add	*62.66*	
		For Stainless Steel, Add	*783.23*	
23 37 13 13-0084	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	338.24	25.87
		For Steel Construction, Deduct	*-47.18*	
		For Grilles (No Damper), Deduct	*-94.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.59*	
		For Cube Core Lay In, Add	*47.18*	
		For Stainless Steel, Add	*589.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0085	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	329.22	25.14
		For Steel Construction, Deduct	*-45.37*	
		For Grilles (No Damper), Deduct	*-90.75*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*22.69*	
		For Cube Core Lay In, Add	*45.37*	
		For Stainless Steel, Add	*567.18*	
23 37 13 13-0086	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	375.10	28.09
		For Steel Construction, Deduct	*-52.84*	
		For Grilles (No Damper), Deduct	*-105.68*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*26.42*	
		For Cube Core Lay In, Add	*52.84*	
		For Stainless Steel, Add	*660.53*	
23 37 13 13-0087	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	509.82	30.31
		For Steel Construction, Deduct	*-77.77*	
		For Grilles (No Damper), Deduct	*-155.54*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*38.89*	
		For Cube Core Lay In, Add	*77.77*	
		For Stainless Steel, Add	*972.13*	
23 37 13 13-0088	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	225.55	17.07
		For Steel Construction, Deduct	*-31.47*	
		For Grilles (No Damper), Deduct	*-62.93*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.73*	
		For Cube Core Lay In, Add	*31.47*	
		For Stainless Steel, Add	*393.33*	
23 37 13 13-0089	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	408.36	30.23
		For Steel Construction, Deduct	*-57.48*	
		For Grilles (No Damper), Deduct	*-114.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.74*	
		For Cube Core Lay In, Add	*57.48*	
		For Stainless Steel, Add	*718.48*	
23 37 13 13-0090	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	440.67	29.57
		For Steel Construction, Deduct	*-65.96*	
		For Grilles (No Damper), Deduct	*-131.91*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*32.98*	
		For Cube Core Lay In, Add	*65.96*	
		For Stainless Steel, Add	*824.45*	

23 37 13 13-0091 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0066)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0092	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	68.68	5.92
		For Steel Construction, Deduct	*-4.57*	
		For Flat Frame, Deduct	*-0.46*	
		For Grilles (No Damper), Deduct	*-9.15*	
		For Stainless Steel, Add	*114.35*	
23 37 13 13-0093	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	68.68	5.92
		For Steel Construction, Deduct	*-4.57*	
		For Flat Frame, Deduct	*-0.46*	
		For Grilles (No Damper), Deduct	*-9.15*	
		For Stainless Steel, Add	*114.35*	
23 37 13 13-0094	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	84.46	6.65
		For Steel Construction, Deduct	*-5.78*	
		For Flat Frame, Deduct	*-0.58*	
		For Grilles (No Damper), Deduct	*-11.57*	
		For Stainless Steel, Add	*144.60*	
23 37 13 13-0095	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	96.85	8.13
		For Steel Construction, Deduct	*-6.59*	
		For Flat Frame, Deduct	*-0.66*	
		For Grilles (No Damper), Deduct	*-13.18*	
		For Stainless Steel, Add	*164.78*	
23 37 13 13-0096	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	95.51	7.40
		For Steel Construction, Deduct	*-6.46*	
		For Flat Frame, Deduct	*-0.65*	
		For Grilles (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*161.43*	
23 37 13 13-0097	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	124.10	9.61
		For Steel Construction, Deduct	*-8.61*	
		For Flat Frame, Deduct	*-0.86*	
		For Grilles (No Damper), Deduct	*-17.22*	
		For Stainless Steel, Add	*215.23*	
23 37 13 13-0098	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	201.48	11.83
		For Steel Construction, Deduct	*-15.56*	
		For Flat Frame, Deduct	*-1.56*	
		For Grilles (No Damper), Deduct	*-31.12*	
		For Stainless Steel, Add	*388.98*	
23 37 13 13-0099	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	242.89	13.30
		For Steel Construction, Deduct	*-18.97*	
		For Flat Frame, Deduct	*-1.90*	
		For Grilles (No Damper), Deduct	*-37.93*	
		For Stainless Steel, Add	*474.18*	
23 37 13 13-0100	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	274.44	14.78
		For Steel Construction, Deduct	*-21.66*	
		For Flat Frame, Deduct	*-2.17*	
		For Grilles (No Damper), Deduct	*-43.32*	
		For Stainless Steel, Add	*541.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0101	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	227.28	14.78
		For Steel Construction, Deduct	*-16.68*	
		For Flat Frame, Deduct	*-1.67*	
		For Grilles (No Damper), Deduct	*-33.36*	
		For Stainless Steel, Add	*417.00*	
23 37 13 13-0102	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	308.00	15.52
		For Steel Construction, Deduct	*-24.75*	
		For Flat Frame, Deduct	*-2.48*	
		For Grilles (No Damper), Deduct	*-49.50*	
		For Stainless Steel, Add	*618.80*	
23 37 13 13-0103	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	359.79	17.00
		For Steel Construction, Deduct	*-29.33*	
		For Flat Frame, Deduct	*-2.93*	
		For Grilles (No Damper), Deduct	*-58.65*	
		For Stainless Steel, Add	*733.13*	
23 37 13 13-0104	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	274.50	17.74
		For Steel Construction, Deduct	*-20.45*	
		For Flat Frame, Deduct	*-2.04*	
		For Grilles (No Damper), Deduct	*-40.89*	
		For Stainless Steel, Add	*511.18*	
23 37 13 13-0105	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	379.60	19.95
		For Steel Construction, Deduct	*-30.13*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.26*	
		For Stainless Steel, Add	*753.30*	
23 37 13 13-0106	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	456.91	23.65
		For Steel Construction, Deduct	*-36.19*	
		For Flat Frame, Deduct	*-3.62*	
		For Grilles (No Damper), Deduct	*-72.37*	
		For Stainless Steel, Add	*904.65*	
23 37 13 13-0107	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	524.84	23.65
		For Steel Construction, Deduct	*-42.98*	
		For Flat Frame, Deduct	*-4.30*	
		For Grilles (No Damper), Deduct	*-85.96*	
		For Stainless Steel, Add	*1,074.48*	
23 37 13 13-0108	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	353.90	25.14
		For Steel Construction, Deduct	*-25.16*	
		For Flat Frame, Deduct	*-2.52*	
		For Grilles (No Damper), Deduct	*-50.31*	
		For Stainless Steel, Add	*628.88*	
23 37 13 13-0109	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	483.04	25.14
		For Steel Construction, Deduct	*-38.07*	
		For Flat Frame, Deduct	*-3.81*	
		For Grilles (No Damper), Deduct	*-76.14*	
		For Stainless Steel, Add	*951.73*	
23 37 13 13-0110	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	560.18	28.09
		For Steel Construction, Deduct	*-44.93*	
		For Flat Frame, Deduct	*-4.49*	
		For Grilles (No Damper), Deduct	*-89.86*	
		For Stainless Steel, Add	*1,123.23*	
23 37 13 13-0111	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	655.68	30.31
		For Steel Construction, Deduct	*-53.47*	
		For Flat Frame, Deduct	*-5.35*	
		For Grilles (No Damper), Deduct	*-106.94*	
		For Stainless Steel, Add	*1,336.78*	
23 37 13 13-0112	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	693.35	30.31
		For Steel Construction, Deduct	*-57.24*	
		For Flat Frame, Deduct	*-5.72*	
		For Grilles (No Damper), Deduct	*-114.48*	
		For Stainless Steel, Add	*1,430.95*	

23 37 13 13-0113 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0066)*

23 37 13 13-0114	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	35.21	7.25
23 37 13 13-0115	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	35.21	7.25
23 37 13 13-0116	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	38.24	7.25
23 37 13 13-0117	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	39.45	7.25
23 37 13 13-0118	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	38.24	7.25
23 37 13 13-0119	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	39.45	7.25
23 37 13 13-0120	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	47.50	9.51
23 37 13 13-0121	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	48.71	9.51
23 37 13 13-0122	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	46.29	9.51
23 37 13 13-0123	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	48.71	9.51
23 37 13 13-0124	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	49.92	9.51
23 37 13 13-0125	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.13	9.51
23 37 13 13-0126	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	49.32	9.51
23 37 13 13-0127	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.74	9.51
23 37 13 13-0128	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	52.95	9.51
23 37 13 13-0129	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	58.39	9.51
23 37 13 13-0130	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.74	9.51
23 37 13 13-0131	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	55.97	9.51
23 37 13 13-0132	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	58.39	9.51
23 37 13 13-0133	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.10	14.02
23 37 13 13-0134	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.31	14.02
23 37 13 13-0135	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.89	14.02
23 37 13 13-0136	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.42	16.28
23 37 13 13-0137	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	72.68	14.02
23 37 13 13-0138	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	96.47	16.28
23 37 13 13-0139	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	50.53	9.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0140	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.89	14.02
23 37 13 13-0141	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	108.16	18.54
23 37 13 13-0142	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	72.68	14.02
23 37 13 13-0143	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.10	14.02
23 37 13 13-0144	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.79	16.28
		For Lay-In Installation, Deduct	*-34.40*	
23 37 13 13-0145	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.42	16.28
23 37 13 13-0146	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	100.90	18.54
23 37 13 13-0147	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	104.53	18.54
23 37 13 13-0148	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	108.77	18.54
23 37 13 13-0149	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	116.64	18.54
		For Lay-In Installation, Deduct	*-39.40*	
23 37 13 13-0150	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.60	16.28
23 37 13 13-0151	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	143.29	20.33
23 37 13 13-0152	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	244.71	24.84
		For Lay-In Installation, Deduct	*-56.69*	

23 37 13 13-0153 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0154 Adjustable Curved Blade Register *(23 37 13 13-0153)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0155	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	62.10	5.92
		For Steel Construction, Deduct	*-5.88*	
		For Lay In Frame, Deduct	*-9.80*	
		For Three Way Pattern, Deduct	*-3.92*	
		For Two Way Pattern, Deduct	*-3.14*	
		For One Way Pattern, Deduct	*-3.14*	
		For Grille (No Damper), Deduct	*-5.88*	
		For Stainless Steel, Add	*98.00*	
23 37 13 13-0156	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	64.41	5.92
		For Steel Construction, Deduct	*-6.23*	
		For Lay In Frame, Deduct	*-10.38*	
		For Three Way Pattern, Deduct	*-4.15*	
		For Two Way Pattern, Deduct	*-3.32*	
		For One Way Pattern, Deduct	*-3.32*	
		For Grille (No Damper), Deduct	*-6.23*	
		For Stainless Steel, Add	*103.78*	
23 37 13 13-0157	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	70.22	8.13
		For Steel Construction, Deduct	*-5.88*	
		For Lay In Frame, Deduct	*-9.80*	
		For Three Way Pattern, Deduct	*-3.92*	
		For Two Way Pattern, Deduct	*-3.14*	
		For One Way Pattern, Deduct	*-3.14*	
		For Grille (No Damper), Deduct	*-5.88*	
		For Stainless Steel, Add	*98.00*	
23 37 13 13-0158	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	78.68	7.40
		For Steel Construction, Deduct	*-7.15*	
		For Lay In Frame, Deduct	*-11.92*	
		For Three Way Pattern, Deduct	*-4.77*	
		For Two Way Pattern, Deduct	*-3.81*	
		For One Way Pattern, Deduct	*-3.81*	
		For Grille (No Damper), Deduct	*-7.15*	
		For Stainless Steel, Add	*119.15*	
23 37 13 13-0159	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	94.57	9.61
		For Steel Construction, Deduct	*-8.53*	
		For Lay In Frame, Deduct	*-14.22*	
		For Three Way Pattern, Deduct	*-5.69*	
		For Two Way Pattern, Deduct	*-4.55*	
		For One Way Pattern, Deduct	*-4.55*	
		For Grille (No Damper), Deduct	*-8.53*	
		For Stainless Steel, Add	*142.20*	
23 37 13 13-0160	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	116.61	11.09
		For Steel Construction, Deduct	*-10.61*	
		For Lay In Frame, Deduct	*-17.68*	
		For Three Way Pattern, Deduct	*-7.07*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.61*	
		For Stainless Steel, Add	*176.80*	
23 37 13 13-0161	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	116.61	11.09
		For Steel Construction, Deduct	*-10.61*	
		For Lay In Frame, Deduct	*-17.68*	
		For Three Way Pattern, Deduct	*-7.07*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.61*	
		For Stainless Steel, Add	*176.80*	
23 37 13 13-0162	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	143.70	14.78
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.52*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.89*	
		For One Way Pattern, Deduct	*-6.89*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*215.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0163	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	190.39	15.52
		For Steel Construction, Deduct	*-19.49*	
		For Lay In Frame, Deduct	*-32.48*	
		For Three Way Pattern, Deduct	*-12.99*	
		For Two Way Pattern, Deduct	*-10.39*	
		For One Way Pattern, Deduct	*-10.39*	
		For Grille (No Damper), Deduct	*-19.49*	
		For Stainless Steel, Add	*324.78*	
23 37 13 13-0164	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	312.14	31.34
		For Steel Construction, Deduct	*-37.42*	
		For Lay In Frame, Deduct	*-62.36*	
		For Three Way Pattern, Deduct	*-24.94*	
		For Two Way Pattern, Deduct	*-19.96*	
		For One Way Pattern, Deduct	*-19.96*	
		For Grille (No Damper), Deduct	*-37.42*	
		For Stainless Steel, Add	*623.60*	
23 37 13 13-0165		**Removable-Reversible Core Registers** *(23 37 13 13-0153)*		
		Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0166	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	72.10	5.92
		For Steel Construction, Deduct	*-4.92*	
		For Flat Frame, Deduct	*-4.92*	
		For Grille (No Damper), Deduct	*-14.76*	
		For Stainless Steel, Add	*123.00*	
23 37 13 13-0167	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	92.08	5.92
		For Steel Construction, Deduct	*-6.92*	
		For Flat Frame, Deduct	*-6.92*	
		For Grille (No Damper), Deduct	*-20.75*	
		For Stainless Steel, Add	*172.95*	
23 37 13 13-0168	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	117.11	8.13
		For Steel Construction, Deduct	*-8.61*	
		For Flat Frame, Deduct	*-8.61*	
		For Grille (No Damper), Deduct	*-25.83*	
		For Stainless Steel, Add	*215.23*	
23 37 13 13-0169	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	118.65	8.13
		For Steel Construction, Deduct	*-8.76*	
		For Flat Frame, Deduct	*-8.76*	
		For Grille (No Damper), Deduct	*-26.29*	
		For Stainless Steel, Add	*219.08*	
23 37 13 13-0170	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	151.45	9.61
		For Steel Construction, Deduct	*-11.38*	
		For Flat Frame, Deduct	*-11.38*	
		For Grille (No Damper), Deduct	*-34.13*	
		For Stainless Steel, Add	*284.40*	
23 37 13 13-0171	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	216.54	11.83
		For Steel Construction, Deduct	*-17.07*	
		For Flat Frame, Deduct	*-17.07*	
		For Grille (No Damper), Deduct	*-51.20*	
		For Stainless Steel, Add	*426.63*	
23 37 13 13-0172	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	244.21	11.09
		For Steel Construction, Deduct	*-19.83*	
		For Flat Frame, Deduct	*-19.83*	
		For Grille (No Damper), Deduct	*-59.50*	
		For Stainless Steel, Add	*495.80*	
23 37 13 13-0173	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	294.36	14.78
		For Steel Construction, Deduct	*-23.68*	
		For Flat Frame, Deduct	*-23.68*	
		For Grille (No Damper), Deduct	*-71.03*	
		For Stainless Steel, Add	*591.88*	
23 37 13 13-0174	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	372.56	14.78
		For Steel Construction, Deduct	*-31.21*	
		For Flat Frame, Deduct	*-31.21*	
		For Grille (No Damper), Deduct	*-93.62*	
		For Stainless Steel, Add	*780.20*	
23 37 13 13-0175		**Adjustable Shutter Blade Registers** *(23 37 13 13-0153)*		
		Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0176	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	112.58	5.92
		For Steel Construction, Deduct	*-8.97*	
		For Single Deflection, Deduct	*-17.94*	
		For Grille (No Damper), Deduct	*-13.45*	
		For Stainless Steel, Add	*224.20*	
23 37 13 13-0177	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	130.52	5.92
		For Steel Construction, Deduct	*-10.76*	
		For Single Deflection, Deduct	*-21.52*	
		For Grille (No Damper), Deduct	*-16.14*	
		For Stainless Steel, Add	*269.05*	
23 37 13 13-0178	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	138.64	8.13
		For Steel Construction, Deduct	*-10.76*	
		For Single Deflection, Deduct	*-21.52*	
		For Grille (No Damper), Deduct	*-16.14*	
		For Stainless Steel, Add	*269.05*	
23 37 13 13-0179	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	143.76	7.40
		For Steel Construction, Deduct	*-11.27*	
		For Single Deflection, Deduct	*-22.55*	
		For Grille (No Damper), Deduct	*-16.91*	
		For Stainless Steel, Add	*281.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0180	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	176.05	9.61
		For Steel Construction, Deduct	*-13.84*	
		For Single Deflection, Deduct	*-27.67*	
		For Grille (No Damper), Deduct	*-20.75*	
		For Stainless Steel, Add	*345.90*	
23 37 13 13-0181	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	235.50	11.09
		For Steel Construction, Deduct	*-18.96*	
		For Single Deflection, Deduct	*-37.92*	
		For Grille (No Damper), Deduct	*-28.44*	
		For Stainless Steel, Add	*474.03*	
23 37 13 13-0182	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	279.06	11.83
		For Steel Construction, Deduct	*-23.32*	
		For Single Deflection, Deduct	*-46.63*	
		For Grille (No Damper), Deduct	*-34.98*	
		For Stainless Steel, Add	*582.93*	
23 37 13 13-0183	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	344.58	14.78
		For Steel Construction, Deduct	*-28.70*	
		For Single Deflection, Deduct	*-57.39*	
		For Grille (No Damper), Deduct	*-43.05*	
		For Stainless Steel, Add	*717.43*	
23 37 13 13-0184	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	478.13	15.52
		For Steel Construction, Deduct	*-41.77*	
		For Single Deflection, Deduct	*-83.53*	
		For Grille (No Damper), Deduct	*-62.65*	
		For Stainless Steel, Add	*1,044.13*	

23 37 13 13-0185 Air Conditioning And Ventilation *(23 37 13 13-0153)*

23 37 13 13-0186	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	61.97	15.52
		For Stainless Steel, Add	*77.38*	
23 37 13 13-0187	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	108.11	23.10
		For Stainless Steel, Add	*154.78*	
23 37 13 13-0188	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	167.86	32.34
		For Stainless Steel, Add	*257.95*	
23 37 13 13-0189	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	429.19	44.35
		For Stainless Steel, Add	*851.20*	

23 37 13 13-0190 Square Wall Return Air And Exhaust Grilles *(23 37 13 13-0153)*

Note: Egg crate design aluminum construction.

23 37 13 13-0191	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	55.72	18.57
23 37 13 13-0192	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	61.45	18.57
23 37 13 13-0193	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	91.46	27.85
23 37 13 13-0194	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	120.08	27.85
23 37 13 13-0195	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	203.05	37.12
23 37 13 13-0196	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	375.71	36.97

23 37 13 13-0197 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles *(23 37 13 13-0153)*

Note: Aluminum construction.

23 37 13 13-0198	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	159.92	13.37
23 37 13 13-0199	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	182.98	13.37
23 37 13 13-0200	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	220.83	14.85
23 37 13 13-0201	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	261.81	14.85
23 37 13 13-0202	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	335.30	46.41

23 37 13 13-0203 Square Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0153)*

Note: Egg crate design, plastic construction.

23 37 13 13-0204	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	30.45	8.89
23 37 13 13-0205	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	44.18	8.96

23 37 13 13-0206 Door Grilles Sight Proof Inverted Vee Cross Section *(23 37 13 13-0153)*

Note: Painted steel louvers and frame.

23 37 13 13-0207	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	89.17	13.37
23 37 13 13-0208	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	111.23	13.37
23 37 13 13-0209	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	139.42	14.10
23 37 13 13-0210	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	193.22	16.85
23 37 13 13-0211	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	214.30	30.97

23 37 13 13-0212 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

23 37 13 13-0213	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	138.61	
23 37 13 13-0214	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	152.88	
23 37 13 13-0215	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	22.91	
23 37 13 13-0216	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	31.03	

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Registers And Grilles *(23 37 13 43)*

23 37 13 43-0002 Maximum Security Steel Supply / Return Registers *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0003	EA	6" x 6" Maximum Security Supply/ Return Register	146.30	8.28
23 37 13 43-0004	EA	9" x 9" Maximum Security Supply/ Return Register	212.90	9.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0005	EA	12" x 6" Maximum Security Supply/ Return Register	197.72	10.34
23 37 13 43-0006	EA	12" x 8" Maximum Security Supply/ Return Register	228.78	11.93
23 37 13 43-0007	EA	10" x 10" Maximum Security Supply/ Return Register	214.97	10.34
23 37 13 43-0008	EA	14" x 12" Maximum Security Supply/ Return Register	298.48	14.55
23 37 13 43-0009	EA	14" x 14" Maximum Security Supply/ Return Register	338.15	15.67
23 37 13 43-0010	EA	18" x 18" Maximum Security Supply/ Return Register	454.11	18.62
23 37 13 43-0011	EA	24" x 24" Maximum Security Supply/ Return Registers	653.90	23.79

23 37 13 43-0012 Staff Security Steel Supply Registers *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0013	EA	6" x 6" Staff Security Supply Register	108.34	8.28
23 37 13 43-0014	EA	9" x 9" Staff Security Supply Register	140.43	9.85
23 37 13 43-0015	EA	12" x 12" Staff Security Supply Register	177.01	13.44
23 37 13 43-0016	EA	15" x 15" Staff Security Supply Register	253.96	15.52
23 37 13 43-0017	EA	21" x 21" Staff Security Supply Register	363.70	20.70
23 37 13 43-0018	EA	24" x 24" Staff Security Supply Register	438.22	23.79

23 37 13 43-0019 Staff Security Steel Return Registers *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0020	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	139.74	8.95
23 37 13 43-0021	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	125.60	8.28
23 37 13 43-0022	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	152.86	9.32
23 37 13 43-0023	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	155.28	10.07
23 37 13 43-0024	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	194.27	11.93
23 37 13 43-0025	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	204.62	11.93
23 37 13 43-0026	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	228.43	12.39
23 37 13 43-0027	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	228.77	13.44
23 37 13 43-0028	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	300.55	15.07
23 37 13 43-0029	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	255.34	14.55
23 37 13 43-0030	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	320.90	15.52
23 37 13 43-0031	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	295.02	15.37

23 37 13 43-0032 Maximum Security Steel Grills *(23 37 13 43-0001)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0033	EA	10" x 4" Maximum Security Grill	119.04	8.95
23 37 13 43-0034	EA	6" x 6" Maximum Security Grill	108.34	8.28
23 37 13 43-0035	EA	10" x 6" Maximum Security Grill	128.71	9.32
23 37 13 43-0036	EA	12" x 5" Maximum Security Grill	132.85	10.07
23 37 13 43-0037	EA	12" x 8" Maximum Security Grill	158.04	11.93
23 37 13 43-0038	EA	16" x 8" Maximum Security Grill	183.57	12.39
23 37 13 43-0039	EA	12" x 12" Maximum Security Grill	183.91	13.44
23 37 13 43-0040	EA	14" x 12" Maximum Security Grill	200.13	14.55
23 37 13 43-0041	EA	30" x 6" Maximum Security Grill	248.78	15.07
23 37 13 43-0042	EA	28" x 8" Maximum Security Grill	262.24	15.52
23 37 13 43-0043	EA	18" x 12" Maximum Security Grill	238.08	15.37

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Refilf Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	537.19	42.87
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	569.71	49.08
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	712.14	61.06
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	758.55	64.98
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	885.52	75.63
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	632.71	48.79
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	696.25	55.00
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	806.15	59.14
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	880.44	71.68
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,011.02	76.88
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,141.46	81.61
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	754.58	55.66
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	859.89	63.43
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	965.20	71.19
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,088.01	80.28
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,228.44	90.63
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	912.50	67.34
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	947.63	69.93
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,052.93	77.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,193.29	88.04
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,333.65	98.39
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,526.71	112.66
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	906.77	66.39
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,055.12	77.25
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,203.55	88.11
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,368.39	100.17
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,516.75	111.03
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	954.35	73.63
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,079.48	83.32
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,204.66	92.92
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,392.41	107.41
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,533.19	118.28
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,206.83	98.99
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,339.26	109.85
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,530.60	125.52
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,677.77	137.58
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,839.67	150.88
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,447.97	112.66
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,595.46	124.12
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,756.40	136.61
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,917.27	149.18
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,332.87	181.49
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,493.82	193.97
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,676.04	139.79
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,838.59	153.32
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,201.32	183.55
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,451.44	204.41
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,601.59	216.96
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,801.68	233.60
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,151.92	262.80
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,993.21	156.49
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,474.69	194.28
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,821.85	221.55
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,922.58	229.46
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,258.52	255.77
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,583.25	281.28
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,643.77	225.91
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,859.86	244.40
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,075.87	262.88
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,415.33	291.85
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,608.00	295.69
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,064.11	254.67
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,437.03	285.65
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,729.36	309.96
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,971.20	330.07
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,818.98	317.06
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,013.63	337.98
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,303.61	363.93
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,029.98	365.63
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,712.60	427.58
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,829.39	394.24

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Stainless Steel Exhaust Hood Material *(23 38 13 16)*

Note: Welded seams.

23 38 13 16-0002	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	30.42	10.29
		For Type 316 Stainless Steel, Add	*0.91*	
23 38 13 16-0003	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	38.02	13.72
		For Type 316 Stainless Steel, Add	*1.14*	
23 38 13 16-0004	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	52.81	18.52
		For Type 316 Stainless Steel, Add	*1.59*	
23 38 13 16-0005	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	66.14	22.64
		For Type 316 Stainless Steel, Add	*2.04*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	9.70

23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*

23 41 13 00-0004	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	65.04
23 41 13 00-0005	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar	62.82
23 41 13 00-0006	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	2.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	111.93	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	42.74	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*

Note: Includes particle board and kraft paper frame and separator material.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	105.56	10.40
		For Removal And Replacement In Existing Equipment, Add	*2.08*	
		For >10 To 25, Deduct	*-2.64*	
		For >25 To 50, Deduct	*-5.28*	
		For >50 To 100, Deduct	*-7.92*	
		For >100, Deduct	*-10.56*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	142.09	11.88
		For Removal And Replacement In Existing Equipment, Add	*2.38*	
		For >10 To 25, Deduct	*-3.55*	
		For >25 To 50, Deduct	*-7.10*	
		For >50 To 100, Deduct	*-10.66*	
		For >100, Deduct	*-14.21*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	166.44	13.74
		For Removal And Replacement In Existing Equipment, Add	*2.75*	
		For >10 To 25, Deduct	*-4.16*	
		For >25 To 50, Deduct	*-8.32*	
		For >50 To 100, Deduct	*-12.48*	
		For >100, Deduct	*-16.64*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	190.83	15.60
		For Removal And Replacement In Existing Equipment, Add	*3.12*	
		For >10 To 25, Deduct	*-4.77*	
		For >25 To 50, Deduct	*-9.54*	
		For >50 To 100, Deduct	*-14.31*	
		For >100, Deduct	*-19.08*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	129.97	11.14
		For Removal And Replacement In Existing Equipment, Add	*2.23*	
		For >10 To 25, Deduct	*-3.25*	
		For >25 To 50, Deduct	*-6.50*	
		For >50 To 100, Deduct	*-9.75*	
		For >100, Deduct	*-13.00*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	176.30	13.00
		For Removal And Replacement In Existing Equipment, Add	*2.60*	
		For >10 To 25, Deduct	*-4.41*	
		For >25 To 50, Deduct	*-8.82*	
		For >50 To 100, Deduct	*-13.22*	
		For >100, Deduct	*-17.63*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	211.34	14.85
		For Removal And Replacement In Existing Equipment, Add	*2.97*	
		For >10 To 25, Deduct	*-5.28*	
		For >25 To 50, Deduct	*-10.57*	
		For >50 To 100, Deduct	*-15.85*	
		For >100, Deduct	*-21.13*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	250.09	18.57
		For Removal And Replacement In Existing Equipment, Add	*3.71*	
		For >10 To 25, Deduct	*-6.25*	
		For >25 To 50, Deduct	*-12.50*	
		For >50 To 100, Deduct	*-18.76*	
		For >100, Deduct	*-25.01*	

23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*

23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	90.10	9.28
		For Removal And Replacement In Existing Equipment, Add	*1.86*	
		For >10 To 25, Deduct	*-2.25*	
		For >25 To 50, Deduct	*-4.51*	
		For >50 To 100, Deduct	*-6.76*	
		For >100, Deduct	*-9.01*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	126.22	11.14
		For Removal And Replacement In Existing Equipment, Add	*2.23*	
		For >10 To 25, Deduct	*-3.16*	
		For >25 To 50, Deduct	*-6.31*	
		For >50 To 100, Deduct	*-9.47*	
		For >100, Deduct	*-12.62*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	196.79	13.00
		For Removal And Replacement In Existing Equipment, Add	*2.60*	
		For >10 To 25, Deduct	*-4.92*	
		For >25 To 50, Deduct	*-9.84*	
		For >50 To 100, Deduct	*-14.76*	
		For >100, Deduct	*-19.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	254.67	14.85
		For Removal And Replacement In Existing Equipment, Add	*2.97*	
		For >10 To 25, Deduct	*-6.37*	
		For >25 To 50, Deduct	*-12.73*	
		For >50 To 100, Deduct	*-19.10*	
		For >100, Deduct	*-25.47*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	86.32	7.42
		For Removal And Replacement In Existing Equipment, Add	*1.49*	
		For >10 To 25, Deduct	*-2.16*	
		For >25 To 50, Deduct	*-4.32*	
		For >50 To 100, Deduct	*-6.47*	
		For >100, Deduct	*-8.63*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	114.24	10.02
		For Removal And Replacement In Existing Equipment, Add	*2.01*	
		For >10 To 25, Deduct	*-2.86*	
		For >25 To 50, Deduct	*-5.71*	
		For >50 To 100, Deduct	*-8.57*	
		For >100, Deduct	*-11.42*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	155.24	11.88
		For Removal And Replacement In Existing Equipment, Add	*2.38*	
		For >10 To 25, Deduct	*-3.88*	
		For >25 To 50, Deduct	*-7.76*	
		For >50 To 100, Deduct	*-11.64*	
		For >100, Deduct	*-15.52*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	182.26	13.92
		For Removal And Replacement In Existing Equipment, Add	*2.79*	
		For >10 To 25, Deduct	*-4.56*	
		For >25 To 50, Deduct	*-9.11*	
		For >50 To 100, Deduct	*-13.67*	
		For >100, Deduct	*-18.23*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	208.56	15.60
		For Removal And Replacement In Existing Equipment, Add	*3.12*	
		For >10 To 25, Deduct	*-5.21*	
		For >25 To 50, Deduct	*-10.43*	
		For >50 To 100, Deduct	*-15.64*	
		For >100, Deduct	*-20.86*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	141.93	11.14
		For Removal And Replacement In Existing Equipment, Add	*2.23*	
		For >10 To 25, Deduct	*-3.55*	
		For >25 To 50, Deduct	*-7.10*	
		For >50 To 100, Deduct	*-10.64*	
		For >100, Deduct	*-14.19*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	193.01	13.00
		For Removal And Replacement In Existing Equipment, Add	*2.60*	
		For >10 To 25, Deduct	*-4.83*	
		For >25 To 50, Deduct	*-9.65*	
		For >50 To 100, Deduct	*-14.48*	
		For >100, Deduct	*-19.30*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	231.53	14.85
		For Removal And Replacement In Existing Equipment, Add	*2.97*	
		For >10 To 25, Deduct	*-5.79*	
		For >25 To 50, Deduct	*-11.58*	
		For >50 To 100, Deduct	*-17.36*	
		For >100, Deduct	*-23.15*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	285.01	18.57
		For Removal And Replacement In Existing Equipment, Add	*3.71*	
		For >10 To 25, Deduct	*-7.13*	
		For >25 To 50, Deduct	*-14.25*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-28.50*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	232.08	55.43
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	426.02	110.18
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	434.19	110.18
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	439.64	110.18
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	477.78	110.18
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	525.46	110.18
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	819.34	221.03
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	935.12	221.03
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,082.23	221.03
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	255.24	55.43
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	465.52	110.18
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	475.06	110.18
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	481.87	110.18
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	526.82	110.18
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	586.75	110.18
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	914.69	221.03
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,059.08	221.03
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,241.60	221.03

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	184.33	71.85
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	222.44	71.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0047		**Filter, Bag Type, 80-85% Efficiency** *(23 41 33)*		
23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	179.95	71.85
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	208.07	71.85

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.09	5.57
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.56	5.57
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.85	5.57
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.85	5.57
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	42.42	5.57
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.30	5.57
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.58	6.32
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.98	6.32
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	49.32	6.32
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	49.32	6.32
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	53.27	6.32
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	64.28	6.32
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	21.74	5.57
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	23.44	5.57
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	23.50	5.57
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	25.73	5.57
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	27.70	5.57
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	25.26	6.32
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	28.22	6.32
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	28.85	6.32
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	32.52	6.32
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	34.86	6.32
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	59.71	6.68

23 50 Central Heating Equipment *(23)*

23 51 Breechings, Chimneys, And Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*
Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	1,955.00	150.54
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	2,215.83	164.24
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	2,658.62	181.34
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	3,472.47	210.42

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	2,348.85	164.24
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	2,862.99	181.34
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	3,715.90	212.14
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,399.58	237.79

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	277.76	51.33

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	322.13	30.39
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	350.86	32.23
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	384.40	34.22
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	410.55	36.49
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	446.61	39.09
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	475.66	42.08
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	523.94	45.63
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	574.59	49.76
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	635.59	52.17
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	679.96	54.75
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	737.85	57.48
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	923.13	91.01
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	1,005.49	96.66
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	1,084.99	102.64
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	1,107.13	106.06
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	1,142.17	109.49
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	1,182.35	116.34
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	1,230.26	119.67

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	1,287.31	126.52
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	1,358.37	136.86
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	1,422.20	141.56
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	1,476.30	143.71
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	1,548.34	150.54
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	1,620.71	157.39
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	1,693.23	164.24
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	1,765.52	171.07

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	129.97	5.92
23 51 13 19-0003	EA	12" x 12" Barometric Damper	186.83	8.13
23 51 13 19-0004	EA	18" x 18" Barometric Damper	254.88	12.57
23 51 13 19-0005	EA	24" x 24" Barometric Damper	325.49	23.65
23 51 13 19-0006	EA	6" Diameter Barometric Damper	70.45	5.92
		For Stainless Steel, Add	*61.76*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	83.06	6.65
		For Stainless Steel, Add	*73.37*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	96.40	7.40
		For Stainless Steel, Add	*85.10*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	115.44	7.40
		For Stainless Steel, Add	*107.80*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	147.08	8.87
		For Stainless Steel, Add	*146.86*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	183.71	9.61
		For Stainless Steel, Add	*189.41*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	227.40	10.35
		For Stainless Steel, Add	*241.57*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	269.23	11.09
		For Stainless Steel, Add	*290.34*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	310.06	12.57
		For Stainless Steel, Add	*339.01*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	401.63	13.30
		For Stainless Steel, Add	*452.93*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	474.90	14.78
		For Stainless Steel, Add	*542.15*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	567.26	14.78
		For Stainless Steel, Add	*658.81*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	694.74	17.00
		For Stainless Steel, Add	*816.66*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	877.71	17.74
		For Stainless Steel, Add	*1,049.98*	

23 51 16 Fabricated Breechings And Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	19.52	6.09
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.32*	
		For 2" Wall Instead Of 1", Add	*2.82*	
		For 3" To 4" Wall Instead Of 1", Add	*4.99*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	21.00	6.43
		For Aluminum Liner, Add	*0.29*	
		For 304 Stainless Steel Liner, Add	*0.40*	
		For 2" Wall Instead Of 1", Add	*3.16*	
		For 3" To 4" Wall Instead Of 1", Add	*5.53*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	23.22	6.85
		For Aluminum Liner, Add	*0.35*	
		For 304 Stainless Steel Liner, Add	*0.47*	
		For 2" Wall Instead Of 1", Add	*3.58*	
		For 3" To 4" Wall Instead Of 1", Add	*6.22*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	25.35	7.32
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*4.00*	
		For 3" To 4" Wall Instead Of 1", Add	*6.90*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	29.90	7.80
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.81*	
		For 2" Wall Instead Of 1", Add	*5.14*	
		For 3" To 4" Wall Instead Of 1", Add	*8.67*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	33.21	8.42
		For Aluminum Liner, Add	*0.66*	
		For 304 Stainless Steel Liner, Add	*0.90*	
		For 2" Wall Instead Of 1", Add	*5.72*	
		For 3" To 4" Wall Instead Of 1", Add	*9.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	48.27	9.03
		For Aluminum Liner, Add	*1.39*	
		For 304 Stainless Steel Liner, Add	*1.90*	
		For 2" Wall Instead Of 1", Add	*9.89*	
		For 3" To 4" Wall Instead Of 1", Add	*15.98*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	58.85	9.99
		For Aluminum Liner, Add	*1.87*	
		For 304 Stainless Steel Liner, Add	*2.55*	
		For 2" Wall Instead Of 1", Add	*12.67*	
		For 3" To 4" Wall Instead Of 1", Add	*20.26*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	83.06	10.40
		For Aluminum Liner, Add	*3.13*	
		For 304 Stainless Steel Liner, Add	*4.27*	
		For 2" Wall Instead Of 1", Add	*19.70*	
		For 3" To 4" Wall Instead Of 1", Add	*30.86*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	104.09	10.95
		For Aluminum Liner, Add	*4.23*	
		For 304 Stainless Steel Liner, Add	*5.76*	
		For 2" Wall Instead Of 1", Add	*25.78*	
		For 3" To 4" Wall Instead Of 1", Add	*40.03*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	128.29	11.49
		For Aluminum Liner, Add	*5.46*	
		For 304 Stainless Steel Liner, Add	*7.44*	
		For 2" Wall Instead Of 1", Add	*32.68*	
		For 3" To 4" Wall Instead Of 1", Add	*50.47*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	162.90	18.27
		For Aluminum Liner, Add	*6.48*	
		For 304 Stainless Steel Liner, Add	*8.84*	
		For 2" Wall Instead Of 1", Add	*39.85*	
		For 3" To 4" Wall Instead Of 1", Add	*62.04*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	197.25	19.30
		For Aluminum Liner, Add	*8.17*	
		For 304 Stainless Steel Liner, Add	*11.14*	
		For 2" Wall Instead Of 1", Add	*49.44*	
		For 3" To 4" Wall Instead Of 1", Add	*76.59*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	234.87	20.53
		For Aluminum Liner, Add	*10.07*	
		For 304 Stainless Steel Liner, Add	*13.73*	
		For 2" Wall Instead Of 1", Add	*60.11*	
		For 3" To 4" Wall Instead Of 1", Add	*92.76*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	273.22	21.21
		For Aluminum Liner, Add	*12.11*	
		For 304 Stainless Steel Liner, Add	*16.52*	
		For 2" Wall Instead Of 1", Add	*71.37*	
		For 3" To 4" Wall Instead Of 1", Add	*109.71*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	286.51	21.90
		For Aluminum Liner, Add	*12.75*	
		For 304 Stainless Steel Liner, Add	*17.38*	
		For 2" Wall Instead Of 1", Add	*75.01*	
		For 3" To 4" Wall Instead Of 1", Add	*115.25*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	304.47	23.47
		For Aluminum Liner, Add	*13.52*	
		For 304 Stainless Steel Liner, Add	*18.44*	
		For 2" Wall Instead Of 1", Add	*79.62*	
		For 3" To 4" Wall Instead Of 1", Add	*122.36*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	345.07	24.36
		For Aluminum Liner, Add	*15.64*	
		For 304 Stainless Steel Liner, Add	*21.32*	
		For 2" Wall Instead Of 1", Add	*91.37*	
		For 3" To 4" Wall Instead Of 1", Add	*140.09*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	387.09	25.26
		For Aluminum Liner, Add	*17.82*	
		For 304 Stainless Steel Liner, Add	*24.30*	
		For 2" Wall Instead Of 1", Add	*103.51*	
		For 3" To 4" Wall Instead Of 1", Add	*158.42*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	407.54	26.27
		For Aluminum Liner, Add	*18.81*	
		For 304 Stainless Steel Liner, Add	*25.64*	
		For 2" Wall Instead Of 1", Add	*109.14*	
		For 3" To 4" Wall Instead Of 1", Add	*166.99*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	442.29	27.37
		For Aluminum Liner, Add	*20.57*	
		For 304 Stainless Steel Liner, Add	*28.05*	
		For 2" Wall Instead Of 1", Add	*119.02*	
		For 3" To 4" Wall Instead Of 1", Add	*181.94*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	487.57	28.53
		For Aluminum Liner, Add	*22.89*	
		For 304 Stainless Steel Liner, Add	*31.22*	
		For 2" Wall Instead Of 1", Add	*132.00*	
		For 3" To 4" Wall Instead Of 1", Add	*201.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	510.09	29.83
		For Aluminum Liner, Add	*23.95*	
		For 304 Stainless Steel Liner, Add	*32.66*	
		For 2" Wall Instead Of 1", Add	*138.09*	
		For 3" To 4" Wall Instead Of 1", Add	*210.87*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	564.86	31.27
		For Aluminum Liner, Add	*26.76*	
		For 304 Stainless Steel Liner, Add	*36.50*	
		For 2" Wall Instead Of 1", Add	*153.81*	
		For 3" To 4" Wall Instead Of 1", Add	*234.63*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	613.58	32.85
		For Aluminum Liner, Add	*29.23*	
		For 304 Stainless Steel Liner, Add	*39.86*	
		For 2" Wall Instead Of 1", Add	*167.65*	
		For 3" To 4" Wall Instead Of 1", Add	*255.58*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	675.35	34.56
		For Aluminum Liner, Add	*32.40*	
		For 304 Stainless Steel Liner, Add	*44.18*	
		For 2" Wall Instead Of 1", Add	*185.35*	
		For 3" To 4" Wall Instead Of 1", Add	*282.34*	
23 51 16 00-0029		**90 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	50.02	12.18
		For Aluminum Liner, Add	*1.09*	
		For 304 Stainless Steel Liner, Add	*1.49*	
		For 2" Wall Instead Of 1", Add	*8.97*	
		For 3" To 4" Wall Instead Of 1", Add	*14.96*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	55.50	12.86
		For Aluminum Liner, Add	*1.29*	
		For 304 Stainless Steel Liner, Add	*1.76*	
		For 2" Wall Instead Of 1", Add	*10.23*	
		For 3" To 4" Wall Instead Of 1", Add	*16.96*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	62.02	13.68
		For Aluminum Liner, Add	*1.54*	
		For 304 Stainless Steel Liner, Add	*2.10*	
		For 2" Wall Instead Of 1", Add	*11.79*	
		For 3" To 4" Wall Instead Of 1", Add	*19.39*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.68	14.58
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.44*	
		For 2" Wall Instead Of 1", Add	*13.37*	
		For 3" To 4" Wall Instead Of 1", Add	*21.86*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	82.25	15.61
		For Aluminum Liner, Add	*2.39*	
		For 304 Stainless Steel Liner, Add	*3.26*	
		For 2" Wall Instead Of 1", Add	*16.92*	
		For 3" To 4" Wall Instead Of 1", Add	*27.32*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	96.51	16.84
		For Aluminum Liner, Add	*2.99*	
		For 304 Stainless Steel Liner, Add	*4.08*	
		For 2" Wall Instead Of 1", Add	*20.54*	
		For 3" To 4" Wall Instead Of 1", Add	*32.91*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	170.93	18.27
		For Aluminum Liner, Add	*6.88*	
		For 304 Stainless Steel Liner, Add	*9.39*	
		For 2" Wall Instead Of 1", Add	*42.13*	
		For 3" To 4" Wall Instead Of 1", Add	*65.48*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	207.58	19.91
		For Aluminum Liner, Add	*8.68*	
		For 304 Stainless Steel Liner, Add	*11.84*	
		For 2" Wall Instead Of 1", Add	*52.33*	
		For 3" To 4" Wall Instead Of 1", Add	*80.98*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	270.39	20.87
		For Aluminum Liner, Add	*12.00*	
		For 304 Stainless Steel Liner, Add	*16.37*	
		For 2" Wall Instead Of 1", Add	*70.69*	
		For 3" To 4" Wall Instead Of 1", Add	*108.64*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	333.30	21.90
		For Aluminum Liner, Add	*15.33*	
		For 304 Stainless Steel Liner, Add	*20.90*	
		For 2" Wall Instead Of 1", Add	*89.06*	
		For 3" To 4" Wall Instead Of 1", Add	*136.33*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	432.13	23.06
		For Aluminum Liner, Add	*20.59*	
		For 304 Stainless Steel Liner, Add	*28.08*	
		For 2" Wall Instead Of 1", Add	*118.10*	
		For 3" To 4" Wall Instead Of 1", Add	*180.04*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	608.34	36.48
		For Aluminum Liner, Add	*28.44*	
		For 304 Stainless Steel Liner, Add	*38.78*	
		For 2" Wall Instead Of 1", Add	*164.24*	
		For 3" To 4" Wall Instead Of 1", Add	*250.93*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	804.20	38.66
		For Aluminum Liner, Add	*38.91*	
		For 304 Stainless Steel Liner, Add	*53.07*	
		For 2" Wall Instead Of 1", Add	*221.93*	
		For 3" To 4" Wall Instead Of 1", Add	*337.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	908.25	41.05
		For Aluminum Liner, Add	*44.30*	
		For 304 Stainless Steel Liner, Add	*60.41*	
		For 2" Wall Instead Of 1", Add	*251.93*	
		For 3" To 4" Wall Instead Of 1", Add	*383.03*	
23 51 16 00-0044		**45 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	41.81	12.18
		For Aluminum Liner, Add	*0.63*	
		For 304 Stainless Steel Liner, Add	*0.86*	
		For 2" Wall Instead Of 1", Add	*6.47*	
		For 3" To 4" Wall Instead Of 1", Add	*11.22*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	45.70	12.86
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.01*	
		For 2" Wall Instead Of 1", Add	*7.26*	
		For 3" To 4" Wall Instead Of 1", Add	*12.51*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	50.08	13.68
		For Aluminum Liner, Add	*0.87*	
		For 304 Stainless Steel Liner, Add	*1.19*	
		For 2" Wall Instead Of 1", Add	*8.18*	
		For 3" To 4" Wall Instead Of 1", Add	*13.98*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	55.47	14.58
		For Aluminum Liner, Add	*1.04*	
		For 304 Stainless Steel Liner, Add	*1.42*	
		For 2" Wall Instead Of 1", Add	*9.34*	
		For 3" To 4" Wall Instead Of 1", Add	*15.84*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	66.30	15.61
		For Aluminum Liner, Add	*1.50*	
		For 304 Stainless Steel Liner, Add	*2.04*	
		For 2" Wall Instead Of 1", Add	*12.07*	
		For 3" To 4" Wall Instead Of 1", Add	*20.06*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	73.37	16.84
		For Aluminum Liner, Add	*1.72*	
		For 304 Stainless Steel Liner, Add	*2.35*	
		For 2" Wall Instead Of 1", Add	*13.60*	
		For 3" To 4" Wall Instead Of 1", Add	*22.50*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	123.87	18.27
		For Aluminum Liner, Add	*4.30*	
		For 304 Stainless Steel Liner, Add	*5.87*	
		For 2" Wall Instead Of 1", Add	*28.04*	
		For 3" To 4" Wall Instead Of 1", Add	*44.33*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	148.41	19.91
		For Aluminum Liner, Add	*5.43*	
		For 304 Stainless Steel Liner, Add	*7.40*	
		For 2" Wall Instead Of 1", Add	*34.57*	
		For 3" To 4" Wall Instead Of 1", Add	*54.34*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	190.94	20.87
		For Aluminum Liner, Add	*7.63*	
		For 304 Stainless Steel Liner, Add	*10.41*	
		For 2" Wall Instead Of 1", Add	*46.85*	
		For 3" To 4" Wall Instead Of 1", Add	*72.89*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	228.88	21.90
		For Aluminum Liner, Add	*9.58*	
		For 304 Stainless Steel Liner, Add	*13.06*	
		For 2" Wall Instead Of 1", Add	*57.72*	
		For 3" To 4" Wall Instead Of 1", Add	*89.32*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	291.65	23.06
		For Aluminum Liner, Add	*12.87*	
		For 304 Stainless Steel Liner, Add	*17.55*	
		For 2" Wall Instead Of 1", Add	*75.97*	
		For 3" To 4" Wall Instead Of 1", Add	*116.84*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	354.97	36.41
		For Aluminum Liner, Add	*14.52*	
		For 304 Stainless Steel Liner, Add	*19.80*	
		For 2" Wall Instead Of 1", Add	*88.29*	
		For 3" To 4" Wall Instead Of 1", Add	*136.99*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	493.97	38.66
		For Aluminum Liner, Add	*21.85*	
		For 304 Stainless Steel Liner, Add	*29.80*	
		For 2" Wall Instead Of 1", Add	*128.86*	
		For 3" To 4" Wall Instead Of 1", Add	*198.12*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	606.02	41.05
		For Aluminum Liner, Add	*27.69*	
		For 304 Stainless Steel Liner, Add	*37.76*	
		For 2" Wall Instead Of 1", Add	*161.29*	
		For 3" To 4" Wall Instead Of 1", Add	*247.06*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,099.27	42.42
		For Aluminum Liner, Add	*54.63*	
		For 304 Stainless Steel Liner, Add	*74.50*	
		For 2" Wall Instead Of 1", Add	*308.58*	
		For 3" To 4" Wall Instead Of 1", Add	*468.17*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,129.91	43.80
		For Aluminum Liner, Add	*56.13*	
		For 304 Stainless Steel Liner, Add	*76.54*	
		For 2" Wall Instead Of 1", Add	*317.09*	
		For 3" To 4" Wall Instead Of 1", Add	*481.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,191.17	46.53
		For Aluminum Liner, Add	*59.12*	
		For 304 Stainless Steel Liner, Add	*80.62*	
		For 2" Wall Instead Of 1", Add	*334.10*	
		For 3" To 4" Wall Instead Of 1", Add	*506.96*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,330.65	47.90
		For Aluminum Liner, Add	*66.60*	
		For 304 Stainless Steel Liner, Add	*90.82*	
		For 2" Wall Instead Of 1", Add	*375.26*	
		For 3" To 4" Wall Instead Of 1", Add	*568.88*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,453.15	50.64
		For Aluminum Liner, Add	*72.96*	
		For 304 Stainless Steel Liner, Add	*99.50*	
		For 2" Wall Instead Of 1", Add	*410.64*	
		For 3" To 4" Wall Instead Of 1", Add	*622.29*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,497.42	54.75
		For Aluminum Liner, Add	*74.84*	
		For 304 Stainless Steel Liner, Add	*102.05*	
		For 2" Wall Instead Of 1", Add	*421.87*	
		For 3" To 4" Wall Instead Of 1", Add	*639.65*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,604.26	56.66
		For Aluminum Liner, Add	*80.45*	
		For 304 Stainless Steel Liner, Add	*109.70*	
		For 2" Wall Instead Of 1", Add	*452.97*	
		For 3" To 4" Wall Instead Of 1", Add	*686.53*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,708.36	57.48
		For Aluminum Liner, Add	*86.06*	
		For 304 Stainless Steel Liner, Add	*117.36*	
		For 2" Wall Instead Of 1", Add	*483.78*	
		For 3" To 4" Wall Instead Of 1", Add	*732.86*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,783.23	60.22
		For Aluminum Liner, Add	*89.80*	
		For 304 Stainless Steel Liner, Add	*122.46*	
		For 2" Wall Instead Of 1", Add	*504.88*	
		For 3" To 4" Wall Instead Of 1", Add	*764.84*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,892.10	62.95
		For Aluminum Liner, Add	*95.42*	
		For 304 Stainless Steel Liner, Add	*130.11*	
		For 2" Wall Instead Of 1", Add	*536.17*	
		For 3" To 4" Wall Instead Of 1", Add	*812.13*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,035.00	65.69
		For Aluminum Liner, Add	*102.90*	
		For 304 Stainless Steel Liner, Add	*140.32*	
		For 2" Wall Instead Of 1", Add	*577.68*	
		For 3" To 4" Wall Instead Of 1", Add	*874.72*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,109.88	68.43
		For Aluminum Liner, Add	*106.64*	
		For 304 Stainless Steel Liner, Add	*145.42*	
		For 2" Wall Instead Of 1", Add	*598.77*	
		For 3" To 4" Wall Instead Of 1", Add	*906.71*	
23 51 16 00-0071		Tees *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	68.50	16.22
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*12.43*	
		For 3" To 4" Wall Instead Of 1", Add	*20.67*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	71.33	16.84
		For Aluminum Liner, Add	*1.61*	
		For 304 Stainless Steel Liner, Add	*2.19*	
		For 2" Wall Instead Of 1", Add	*12.98*	
		For 3" To 4" Wall Instead Of 1", Add	*21.58*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	74.41	17.52
		For Aluminum Liner, Add	*1.68*	
		For 304 Stainless Steel Liner, Add	*2.30*	
		For 2" Wall Instead Of 1", Add	*13.56*	
		For 3" To 4" Wall Instead Of 1", Add	*22.53*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	79.66	18.27
		For Aluminum Liner, Add	*1.87*	
		For 304 Stainless Steel Liner, Add	*2.55*	
		For 2" Wall Instead Of 1", Add	*14.77*	
		For 3" To 4" Wall Instead Of 1", Add	*24.44*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	94.57	19.02
		For Aluminum Liner, Add	*2.58*	
		For 304 Stainless Steel Liner, Add	*3.52*	
		For 2" Wall Instead Of 1", Add	*18.85*	
		For 3" To 4" Wall Instead Of 1", Add	*30.65*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	101.44	19.91
		For Aluminum Liner, Add	*2.84*	
		For 304 Stainless Steel Liner, Add	*3.88*	
		For 2" Wall Instead Of 1", Add	*20.48*	
		For 3" To 4" Wall Instead Of 1", Add	*33.21*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	192.29	20.87
		For Aluminum Liner, Add	*7.71*	
		For 304 Stainless Steel Liner, Add	*10.51*	
		For 2" Wall Instead Of 1", Add	*47.26*	
		For 3" To 4" Wall Instead Of 1", Add	*73.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	223.44	21.90
		For Aluminum Liner, Add	*9.28*	
		For 304 Stainless Steel Liner, Add	*12.65*	
		For 2" Wall Instead Of 1", Add	*56.09*	
		For 3" To 4" Wall Instead Of 1", Add	*86.87*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	335.66	24.36
		For Aluminum Liner, Add	*15.12*	
		For 304 Stainless Steel Liner, Add	*20.61*	
		For 2" Wall Instead Of 1", Add	*88.54*	
		For 3" To 4" Wall Instead Of 1", Add	*135.84*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	457.56	27.37
		For Aluminum Liner, Add	*21.40*	
		For 304 Stainless Steel Liner, Add	*29.19*	
		For 2" Wall Instead Of 1", Add	*123.59*	
		For 3" To 4" Wall Instead Of 1", Add	*188.80*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	568.02	31.27
		For Aluminum Liner, Add	*26.94*	
		For 304 Stainless Steel Liner, Add	*36.74*	
		For 2" Wall Instead Of 1", Add	*154.77*	
		For 3" To 4" Wall Instead Of 1", Add	*236.06*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	756.46	38.66
		For Aluminum Liner, Add	*36.30*	
		For 304 Stainless Steel Liner, Add	*49.49*	
		For 2" Wall Instead Of 1", Add	*207.63*	
		For 3" To 4" Wall Instead Of 1", Add	*316.27*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	949.45	50.50
		For Aluminum Liner, Add	*45.28*	
		For 304 Stainless Steel Liner, Add	*61.74*	
		For 2" Wall Instead Of 1", Add	*259.58*	
		For 3" To 4" Wall Instead Of 1", Add	*395.69*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,092.71	53.37
		For Aluminum Liner, Add	*52.76*	
		For 304 Stainless Steel Liner, Add	*71.94*	
		For 2" Wall Instead Of 1", Add	*301.12*	
		For 3" To 4" Wall Instead Of 1", Add	*458.36*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,504.41	57.48
		For Aluminum Liner, Add	*74.84*	
		For 304 Stainless Steel Liner, Add	*102.05*	
		For 2" Wall Instead Of 1", Add	*422.57*	
		For 3" To 4" Wall Instead Of 1", Add	*641.04*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,680.01	59.74
		For Aluminum Liner, Add	*84.19*	
		For 304 Stainless Steel Liner, Add	*114.80*	
		For 2" Wall Instead Of 1", Add	*474.15*	
		For 3" To 4" Wall Instead Of 1", Add	*718.68*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,824.17	62.95
		For Aluminum Liner, Add	*91.67*	
		For 304 Stainless Steel Liner, Add	*125.01*	
		For 2" Wall Instead Of 1", Add	*515.78*	
		For 3" To 4" Wall Instead Of 1", Add	*781.53*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,103.11	65.69
		For Aluminum Liner, Add	*106.64*	
		For 304 Stainless Steel Liner, Add	*145.42*	
		For 2" Wall Instead Of 1", Add	*598.10*	
		For 3" To 4" Wall Instead Of 1", Add	*905.35*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,144.01	68.43
		For Aluminum Liner, Add	*108.51*	
		For 304 Stainless Steel Liner, Add	*147.97*	
		For 2" Wall Instead Of 1", Add	*608.99*	
		For 3" To 4" Wall Instead Of 1", Add	*922.04*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,495.67	73.01
		For Aluminum Liner, Add	*127.22*	
		For 304 Stainless Steel Liner, Add	*173.48*	
		For 2" Wall Instead Of 1", Add	*712.19*	
		For 3" To 4" Wall Instead Of 1", Add	*1,077.41*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,552.49	82.12
		For Aluminum Liner, Add	*129.09*	
		For 304 Stainless Steel Liner, Add	*176.03*	
		For 2" Wall Instead Of 1", Add	*724.67*	
		For 3" To 4" Wall Instead Of 1", Add	*1,097.28*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,785.88	93.88
		For Aluminum Liner, Add	*140.32*	
		For 304 Stainless Steel Liner, Add	*191.34*	
		For 2" Wall Instead Of 1", Add	*788.83*	
		For 3" To 4" Wall Instead Of 1", Add	*1,194.98*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,063.06	109.49
		For Aluminum Liner, Add	*153.41*	
		For 304 Stainless Steel Liner, Add	*209.20*	
		For 2" Wall Instead Of 1", Add	*864.17*	
		For 3" To 4" Wall Instead Of 1", Add	*1,309.94*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,335.13	123.17
		For Aluminum Liner, Add	*166.51*	
		For 304 Stainless Steel Liner, Add	*227.06*	
		For 2" Wall Instead Of 1", Add	*939.00*	
		For 3" To 4" Wall Instead Of 1", Add	*1,423.89*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,651.58	127.29
		For Aluminum Liner, Add	*183.35*	
		For 304 Stainless Steel Liner, Add	*250.02*	
		For 2" Wall Instead Of 1", Add	*1,031.88*	
		For 3" To 4" Wall Instead Of 1", Add	*1,563.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,866.04	131.39
		For Aluminum Liner, Add	*194.57*	
		For 304 Stainless Steel Liner, Add	*265.33*	
		For 2" Wall Instead Of 1", Add	*1,094.14*	
		For 3" To 4" Wall Instead Of 1", Add	*1,657.63*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	34.34	9.51
		For Aluminum Liner, Add	*0.58*	
		For 304 Stainless Steel Liner, Add	*0.79*	
		For 2" Wall Instead Of 1", Add	*5.54*	
		For 3" To 4" Wall Instead Of 1", Add	*9.50*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	35.99	9.99
		For Aluminum Liner, Add	*0.61*	
		For 304 Stainless Steel Liner, Add	*0.83*	
		For 2" Wall Instead Of 1", Add	*5.82*	
		For 3" To 4" Wall Instead Of 1", Add	*9.97*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	46.62	10.95
		For Aluminum Liner, Add	*1.06*	
		For 304 Stainless Steel Liner, Add	*1.44*	
		For 2" Wall Instead Of 1", Add	*8.51*	
		For 3" To 4" Wall Instead Of 1", Add	*14.14*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	49.63	12.18
		For Aluminum Liner, Add	*1.06*	
		For 304 Stainless Steel Liner, Add	*1.44*	
		For 2" Wall Instead Of 1", Add	*8.81*	
		For 3" To 4" Wall Instead Of 1", Add	*14.74*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	60.53	12.86
		For Aluminum Liner, Add	*1.56*	
		For 304 Stainless Steel Liner, Add	*2.13*	
		For 2" Wall Instead Of 1", Add	*11.73*	
		For 3" To 4" Wall Instead Of 1", Add	*19.20*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	71.64	13.68
		For Aluminum Liner, Add	*2.06*	
		For 304 Stainless Steel Liner, Add	*2.81*	
		For 2" Wall Instead Of 1", Add	*14.65*	
		For 3" To 4" Wall Instead Of 1", Add	*23.68*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	170.38	15.61
		For Aluminum Liner, Add	*7.22*	
		For 304 Stainless Steel Liner, Add	*9.85*	
		For 2" Wall Instead Of 1", Add	*43.30*	
		For 3" To 4" Wall Instead Of 1", Add	*66.90*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	318.28	19.57
		For Aluminum Liner, Add	*14.82*	
		For 304 Stainless Steel Liner, Add	*20.21*	
		For 2" Wall Instead Of 1", Add	*85.71*	
		For 3" To 4" Wall Instead Of 1", Add	*131.01*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	589.30	23.47
		For Aluminum Liner, Add	*29.19*	
		For 304 Stainless Steel Liner, Add	*39.80*	
		For 2" Wall Instead Of 1", Add	*165.06*	
		For 3" To 4" Wall Instead Of 1", Add	*250.52*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	980.16	32.85
		For Aluminum Liner, Add	*49.39*	
		For 304 Stainless Steel Liner, Add	*67.35*	
		For 2" Wall Instead Of 1", Add	*277.62*	
		For 3" To 4" Wall Instead Of 1", Add	*420.54*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,447.05	34.56
		For Aluminum Liner, Add	*74.84*	
		For 304 Stainless Steel Liner, Add	*102.05*	
		For 2" Wall Instead Of 1", Add	*416.84*	
		For 3" To 4" Wall Instead Of 1", Add	*629.57*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,621.97	36.48
		For Aluminum Liner, Add	*84.19*	
		For 304 Stainless Steel Liner, Add	*114.80*	
		For 2" Wall Instead Of 1", Add	*468.34*	
		For 3" To 4" Wall Instead Of 1", Add	*707.08*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,831.48	38.66
		For Aluminum Liner, Add	*95.42*	
		For 304 Stainless Steel Liner, Add	*130.11*	
		For 2" Wall Instead Of 1", Add	*530.11*	
		For 3" To 4" Wall Instead Of 1", Add	*800.00*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,939.56	41.05
		For Aluminum Liner, Add	*101.03*	
		For 304 Stainless Steel Liner, Add	*137.77*	
		For 2" Wall Instead Of 1", Add	*561.33*	
		For 3" To 4" Wall Instead Of 1", Add	*847.13*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,048.44	43.80
		For Aluminum Liner, Add	*106.64*	
		For 304 Stainless Steel Liner, Add	*145.42*	
		For 2" Wall Instead Of 1", Add	*592.63*	
		For 3" To 4" Wall Instead Of 1", Add	*894.42*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,192.24	46.94
		For Aluminum Liner, Add	*114.12*	
		For 304 Stainless Steel Liner, Add	*155.62*	
		For 2" Wall Instead Of 1", Add	*634.22*	
		For 3" To 4" Wall Instead Of 1", Add	*957.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0115		**Wall Thimbles** *(23 51 16 00-0001)*		
23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	14.00	5.13
		For Aluminum Liner, Add	*0.07*	
		For 304 Stainless Steel Liner, Add	*0.09*	
		For 2" Wall Instead Of 1", Add	*1.64*	
		For 3" To 4" Wall Instead Of 1", Add	*3.10*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	17.73	6.57
		For Aluminum Liner, Add	*0.07*	
		For 304 Stainless Steel Liner, Add	*0.09*	
		For 2" Wall Instead Of 1", Add	*2.02*	
		For 3" To 4" Wall Instead Of 1", Add	*3.86*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	23.59	8.83
		For Aluminum Liner, Add	*0.08*	
		For 304 Stainless Steel Liner, Add	*0.11*	
		For 2" Wall Instead Of 1", Add	*2.66*	
		For 3" To 4" Wall Instead Of 1", Add	*5.10*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	29.54	10.95
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.39*	
		For 3" To 4" Wall Instead Of 1", Add	*6.45*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	42.52	14.78
		For Aluminum Liner, Add	*0.31*	
		For 304 Stainless Steel Liner, Add	*0.42*	
		For 2" Wall Instead Of 1", Add	*5.37*	
		For 3" To 4" Wall Instead Of 1", Add	*9.90*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	53.74	18.34
		For Aluminum Liner, Add	*0.43*	
		For 304 Stainless Steel Liner, Add	*0.59*	
		For 2" Wall Instead Of 1", Add	*6.95*	
		For 3" To 4" Wall Instead Of 1", Add	*12.72*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	68.13	21.90
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*9.49*	
		For 3" To 4" Wall Instead Of 1", Add	*16.97*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	88.95	26.00
		For Aluminum Liner, Add	*1.32*	
		For 304 Stainless Steel Liner, Add	*1.80*	
		For 2" Wall Instead Of 1", Add	*13.68*	
		For 3" To 4" Wall Instead Of 1", Add	*23.78*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	119.99	28.74
		For Aluminum Liner, Add	*2.65*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*21.63*	
		For 3" To 4" Wall Instead Of 1", Add	*36.03*	
23 51 16 00-0125		**Adjustable Roof Flashing** *(23 51 16 00-0001)*		
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	38.21	12.18
		For Aluminum Liner, Add	*0.43*	
		For 304 Stainless Steel Liner, Add	*0.59*	
		For 2" Wall Instead Of 1", Add	*5.39*	
		For 3" To 4" Wall Instead Of 1", Add	*9.60*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	42.29	12.86
		For Aluminum Liner, Add	*0.55*	
		For 304 Stainless Steel Liner, Add	*0.76*	
		For 2" Wall Instead Of 1", Add	*6.24*	
		For 3" To 4" Wall Instead Of 1", Add	*10.98*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	53.34	14.58
		For Aluminum Liner, Add	*0.93*	
		For 304 Stainless Steel Liner, Add	*1.27*	
		For 2" Wall Instead Of 1", Add	*8.71*	
		For 3" To 4" Wall Instead Of 1", Add	*14.89*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	65.14	16.84
		For Aluminum Liner, Add	*1.27*	
		For 304 Stainless Steel Liner, Add	*1.73*	
		For 2" Wall Instead Of 1", Add	*11.13*	
		For 3" To 4" Wall Instead Of 1", Add	*18.79*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	108.91	18.27
		For Aluminum Liner, Add	*3.48*	
		For 304 Stainless Steel Liner, Add	*4.75*	
		For 2" Wall Instead Of 1", Add	*23.55*	
		For 3" To 4" Wall Instead Of 1", Add	*37.60*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	130.02	19.91
		For Aluminum Liner, Add	*4.42*	
		For 304 Stainless Steel Liner, Add	*6.02*	
		For 2" Wall Instead Of 1", Add	*29.06*	
		For 3" To 4" Wall Instead Of 1", Add	*46.07*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	153.40	21.90
		For Aluminum Liner, Add	*5.43*	
		For 304 Stainless Steel Liner, Add	*7.40*	
		For 2" Wall Instead Of 1", Add	*35.07*	
		For 3" To 4" Wall Instead Of 1", Add	*55.34*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	183.37	24.36
		For Aluminum Liner, Add	*6.74*	
		For 304 Stainless Steel Liner, Add	*9.18*	
		For 2" Wall Instead Of 1", Add	*42.83*	
		For 3" To 4" Wall Instead Of 1", Add	*67.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	279.36	27.37
		For Aluminum Liner, Add	*11.60*	
		For 304 Stainless Steel Liner, Add	*15.82*	
		For 2" Wall Instead Of 1", Add	*70.12*	
		For 3" To 4" Wall Instead Of 1", Add	*108.60*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	306.22	36.48
		For Aluminum Liner, Add	*11.82*	
		For 304 Stainless Steel Liner, Add	*16.12*	
		For 2" Wall Instead Of 1", Add	*73.62*	
		For 3" To 4" Wall Instead Of 1", Add	*114.99*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	389.46	46.94
		For Aluminum Liner, Add	*14.97*	
		For 304 Stainless Steel Liner, Add	*20.41*	
		For 2" Wall Instead Of 1", Add	*93.37*	
		For 3" To 4" Wall Instead Of 1", Add	*145.92*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	463.42	54.75
		For Aluminum Liner, Add	*17.96*	
		For 304 Stainless Steel Liner, Add	*24.49*	
		For 2" Wall Instead Of 1", Add	*111.65*	
		For 3" To 4" Wall Instead Of 1", Add	*174.32*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	15.05	5.13
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.17*	
		For 2" Wall Instead Of 1", Add	*1.96*	
		For 3" To 4" Wall Instead Of 1", Add	*3.58*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	19.01	6.57
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*2.42*	
		For 3" To 4" Wall Instead Of 1", Add	*4.45*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	22.39	7.66
		For Aluminum Liner, Add	*0.18*	
		For 304 Stainless Steel Liner, Add	*0.24*	
		For 2" Wall Instead Of 1", Add	*2.88*	
		For 3" To 4" Wall Instead Of 1", Add	*5.28*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	25.77	8.76
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.35*	
		For 3" To 4" Wall Instead Of 1", Add	*6.12*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	32.52	10.95
		For Aluminum Liner, Add	*0.28*	
		For 304 Stainless Steel Liner, Add	*0.39*	
		For 2" Wall Instead Of 1", Add	*4.28*	
		For 3" To 4" Wall Instead Of 1", Add	*7.79*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	45.04	14.78
		For Aluminum Liner, Add	*0.44*	
		For 304 Stainless Steel Liner, Add	*0.61*	
		For 2" Wall Instead Of 1", Add	*6.12*	
		For 3" To 4" Wall Instead Of 1", Add	*11.03*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	55.55	18.34
		For Aluminum Liner, Add	*0.53*	
		For 304 Stainless Steel Liner, Add	*0.73*	
		For 2" Wall Instead Of 1", Add	*7.50*	
		For 3" To 4" Wall Instead Of 1", Add	*13.54*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	71.22	21.90
		For Aluminum Liner, Add	*0.91*	
		For 304 Stainless Steel Liner, Add	*1.24*	
		For 2" Wall Instead Of 1", Add	*10.42*	
		For 3" To 4" Wall Instead Of 1", Add	*18.36*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	94.82	26.00
		For Aluminum Liner, Add	*1.64*	
		For 304 Stainless Steel Liner, Add	*2.24*	
		For 2" Wall Instead Of 1", Add	*15.44*	
		For 3" To 4" Wall Instead Of 1", Add	*26.42*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	134.65	28.74
		For Aluminum Liner, Add	*3.45*	
		For 304 Stainless Steel Liner, Add	*4.71*	
		For 2" Wall Instead Of 1", Add	*26.03*	
		For 3" To 4" Wall Instead Of 1", Add	*42.63*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	25.84	6.43
		For 2" Wall Instead Of 1", Add	*4.54*	
		For 3" To 4" Wall Instead Of 1", Add	*7.61*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	28.56	6.85
		For 2" Wall Instead Of 1", Add	*5.17*	
		For 3" To 4" Wall Instead Of 1", Add	*8.61*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	31.70	7.32
		For 2" Wall Instead Of 1", Add	*5.86*	
		For 3" To 4" Wall Instead Of 1", Add	*9.70*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	56.75	13.35
		For 2" Wall Instead Of 1", Add	*10.35*	
		For 3" To 4" Wall Instead Of 1", Add	*17.19*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	66.22	15.61
		For 2" Wall Instead Of 1", Add	*12.06*	
		For 3" To 4" Wall Instead Of 1", Add	*20.05*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	79.04	17.65
		For 2" Wall Instead Of 1", Add	*14.88*	
		For 3" To 4" Wall Instead Of 1", Add	*24.53*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	57.92	13.35
		For 2" Wall Instead Of 1", Add	*10.70*	
		For 3" To 4" Wall Instead Of 1", Add	*17.72*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	69.06	15.61
		For 2" Wall Instead Of 1", Add	*12.92*	
		For 3" To 4" Wall Instead Of 1", Add	*21.32*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	80.88	17.65
		For 2" Wall Instead Of 1", Add	*15.43*	
		For 3" To 4" Wall Instead Of 1", Add	*25.36*	
23 51 16 00-0161		**Tees** *(23 51 16 00-0149)*		
23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	95.27	20.25
		For 2" Wall Instead Of 1", Add	*18.44*	
		For 3" To 4" Wall Instead Of 1", Add	*30.20*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	97.10	20.25
		For 2" Wall Instead Of 1", Add	*18.99*	
		For 3" To 4" Wall Instead Of 1", Add	*31.02*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	111.59	23.27
		For 2" Wall Instead Of 1", Add	*21.84*	
		For 3" To 4" Wall Instead Of 1", Add	*35.67*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	127.78	26.07
		For 2" Wall Instead Of 1", Add	*25.30*	
		For 3" To 4" Wall Instead Of 1", Add	*41.21*	
23 51 16 00-0166		**Tops/Caps And Adjustable Flashing** *(23 51 16 00-0149)*		
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	36.69	6.57
		For 2" Wall Instead Of 1", Add	*7.71*	
		For 3" To 4" Wall Instead Of 1", Add	*12.39*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	57.55	8.83
		For 2" Wall Instead Of 1", Add	*12.85*	
		For 3" To 4" Wall Instead Of 1", Add	*20.38*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	29.51	6.57
		For 2" Wall Instead Of 1", Add	*5.56*	
		For 3" To 4" Wall Instead Of 1", Add	*9.16*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	50.79	8.83
		For 2" Wall Instead Of 1", Add	*10.82*	
		For 3" To 4" Wall Instead Of 1", Add	*17.34*	
23 51 16 00-0171		**Storm Collars** *(23 51 16 00-0149)*		
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	19.01	6.57
		For 2" Wall Instead Of 1", Add	*2.42*	
		For 3" To 4" Wall Instead Of 1", Add	*4.45*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	22.39	7.66
		For 2" Wall Instead Of 1", Add	*2.88*	
		For 3" To 4" Wall Instead Of 1", Add	*5.28*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	25.77	8.76
		For 2" Wall Instead Of 1", Add	*3.35*	
		For 3" To 4" Wall Instead Of 1", Add	*6.12*	
23 51 16 00-0175		**Round Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)* Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176		**Round Double Wall Flue/Vent Pipe** *(23 51 16 00-0175)* Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	81.26	7.32
		For 316 Stainless Steel, Add	*10.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*6.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*12.60*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	97.96	8.42
		For 316 Stainless Steel, Add	*12.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.38*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	108.92	9.10
		For 316 Stainless Steel, Add	*13.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*17.23*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	123.06	9.92
		For 316 Stainless Steel, Add	*15.71*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.82*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	139.07	10.40
		For 316 Stainless Steel, Add	*18.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.60*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	146.90	10.95
		For 316 Stainless Steel, Add	*19.12*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.90*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	163.14	11.56
		For 316 Stainless Steel, Add	*21.49*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.86*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	199.39	18.27
		For 316 Stainless Steel, Add	*24.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.75*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	249.55	20.53
		For 316 Stainless Steel, Add	*31.71*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.82*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.64*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	282.57	21.90
		For 316 Stainless Steel, Add	*36.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*45.57*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	316.39	24.30
		For 316 Stainless Steel, Add	*40.90*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.13*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	352.73	26.27
		For 316 Stainless Steel, Add	*45.94*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.42*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	402.70	29.90
		For 316 Stainless Steel, Add	*52.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.58*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	471.86	34.62
		For 316 Stainless Steel, Add	*61.65*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.53*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*77.06*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	395.31	15.12
		For 316 Stainless Steel, Add	*71.50*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*71.50*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	436.64	16.84
		For 316 Stainless Steel, Add	*78.91*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*78.91*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	497.66	18.27
		For 316 Stainless Steel, Add	*90.40*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*45.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*90.40*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	562.87	19.91
		For 316 Stainless Steel, Add	*102.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*51.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*102.62*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	654.19	20.87
		For 316 Stainless Steel, Add	*120.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*60.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*120.41*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	721.61	21.90
		For 316 Stainless Steel, Add	*133.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*133.37*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	835.62	23.06
		For 316 Stainless Steel, Add	*155.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*77.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*155.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	961.88	36.48
		For 316 Stainless Steel, Add	*174.13*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*87.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*174.13*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,186.30	41.05
		For 316 Stainless Steel, Add	*216.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*108.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*216.73*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,443.23	43.80
		For 316 Stainless Steel, Add	*266.75*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*133.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*266.75*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,914.10	46.87
		For 316 Stainless Steel, Add	*359.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*179.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*359.37*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,174.52	54.75
		For 316 Stainless Steel, Add	*407.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*203.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*407.53*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,205.74	59.74
		For 316 Stainless Steel, Add	*611.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*305.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*611.30*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,007.99	65.69
		For 316 Stainless Steel, Add	*768.75*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*384.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*768.75*	

23 51 16 00-0206 45 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	260.62	14.58
		For 316 Stainless Steel, Add	*44.83*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.83*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	297.71	16.84
		For 316 Stainless Steel, Add	*51.13*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.13*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	330.92	18.27
		For 316 Stainless Steel, Add	*57.05*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.53*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.05*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	377.63	19.91
		For 316 Stainless Steel, Add	*65.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.58*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	426.34	20.87
		For 316 Stainless Steel, Add	*74.84*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.84*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	478.94	21.90
		For 316 Stainless Steel, Add	*84.84*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*84.84*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	537.39	23.06
		For 316 Stainless Steel, Add	*95.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.96*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	639.57	36.48
		For 316 Stainless Steel, Add	*109.66*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*109.66*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	806.57	41.05
		For 316 Stainless Steel, Add	*140.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*70.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*140.78*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	906.03	43.80
		For 316 Stainless Steel, Add	*159.31*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*79.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*159.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,182.40	46.87
		For 316 Stainless Steel, Add	*213.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*106.51*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*213.03*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,572.48	54.75
		For 316 Stainless Steel, Add	*287.12*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*143.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*287.12*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,094.30	59.74
		For 316 Stainless Steel, Add	*389.01*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*194.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*389.01*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,803.94	65.69
		For 316 Stainless Steel, Add	*527.94*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*263.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*527.94*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	280.93	18.27
		For 316 Stainless Steel, Add	*51.76*	
		For Tee Cap, Add	*63.04*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*23.53*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*47.05*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	320.20	19.91
		For 316 Stainless Steel, Add	*59.50*	
		For Tee Cap, Add	*71.50*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*27.05*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*54.09*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	368.89	20.87
		For 316 Stainless Steel, Add	*69.69*	
		For Tee Cap, Add	*81.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.35*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	425.21	21.90
		For 316 Stainless Steel, Add	*81.51*	
		For Tee Cap, Add	*93.25*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.05*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.10*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	497.99	24.36
		For 316 Stainless Steel, Add	*96.18*	
		For Tee Cap, Add	*108.72*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*87.43*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	559.28	27.37
		For 316 Stainless Steel, Add	*108.00*	
		For Tee Cap, Add	*122.11*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.18*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	652.40	31.27
		For 316 Stainless Steel, Add	*126.34*	
		For Tee Cap, Add	*142.20*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*114.85*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	744.96	38.66
		For 316 Stainless Steel, Add	*142.64*	
		For Tee Cap, Add	*163.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*64.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*129.67*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	942.66	54.75
		For 316 Stainless Steel, Add	*177.28*	
		For Tee Cap, Add	*209.06*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*161.16*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,149.56	59.74
		For 316 Stainless Steel, Add	*220.07*	
		For Tee Cap, Add	*252.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.03*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.06*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,535.02	65.69
		For 316 Stainless Steel, Add	*301.57*	
		For Tee Cap, Add	*331.64*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*137.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*274.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,710.81	73.01
		For 316 Stainless Steel, Add	*336.21*	
		For Tee Cap, Add	*369.55*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*152.82*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*305.65*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,728.18	109.49
		For 316 Stainless Steel, Add	*539.98*	
		For Tee Cap, Add	*586.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*245.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*490.89*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,431.29	131.39
		For 316 Stainless Steel, Add	*682.62*	
		For Tee Cap, Add	*735.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*310.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*620.56*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	544.04	14.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*50.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*101.51*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	592.25	16.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*55.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*110.03*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	647.71	18.27
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*60.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*120.41*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	716.62	19.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*133.37*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	802.38	20.87
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*75.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*150.05*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	888.33	21.90
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*83.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*166.72*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	993.08	23.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.55*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*187.09*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,147.11	36.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*105.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*211.18*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,417.86	41.05
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*131.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*263.04*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,591.43	43.80
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*148.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*296.39*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,821.55	46.94
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*170.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*340.84*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,081.91	54.75
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*194.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*389.01*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,650.04	59.74
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*250.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*500.15*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,220.73	65.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*305.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*611.30*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	357.02	16.84
		For 316 Stainless Steel, Add	*31.49*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	386.89	19.91
		For 316 Stainless Steel, Add	*33.71*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	423.35	21.90
		For 316 Stainless Steel, Add	*36.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	457.29	24.36
		For 316 Stainless Steel, Add	*39.64*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	584.95	25.80
		For 316 Stainless Steel, Add	*52.05*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	520.41	27.37
		For 316 Stainless Steel, Add	*45.20*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	560.21	29.22
		For 316 Stainless Steel, Add	*48.72*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	625.03	41.05
		For 316 Stainless Steel, Add	*52.24*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	700.69	46.87
		For 316 Stainless Steel, Add	*58.35*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	802.39	50.50
		For 316 Stainless Steel, Add	*67.61*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	896.26	54.67
		For 316 Stainless Steel, Add	*75.95*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	997.72	65.62
		For 316 Stainless Steel, Add	*83.36*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,284.59	72.94
		For 316 Stainless Steel, Add	*110.22*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,594.46	82.05
		For 316 Stainless Steel, Add	*138.93*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	247.96	9.51
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	261.33	10.40
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	281.14	10.95
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	293.71	11.49
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	324.11	11.84
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	354.53	12.11
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	431.37	12.52
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	534.73	23.47
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	674.45	25.26
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	806.67	26.27
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	994.65	27.37
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,130.56	29.90
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,430.50	31.27
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,832.66	32.85

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	271.99	9.51
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	315.05	10.40
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	366.34	10.95
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	421.50	11.49
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	492.65	11.84
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	560.19	12.18
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	624.04	12.52
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	743.99	23.47
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	887.47	25.26
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	964.08	26.27
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,096.49	27.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,278.67	29.83
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,560.12	31.27
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,814.09	32.85

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	408.67	17.52
		For 316 Stainless Steel, Add	*72.99*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	450.42	20.87
		For 316 Stainless Steel, Add	*79.65*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	494.75	23.06
		For 316 Stainless Steel, Add	*87.43*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	527.46	25.73
		For 316 Stainless Steel, Add	*92.62*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	588.96	27.37
		For 316 Stainless Steel, Add	*104.11*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	625.02	29.22
		For 316 Stainless Steel, Add	*110.40*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	671.05	31.34
		For 316 Stainless Steel, Add	*118.55*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	739.31	43.80
		For 316 Stainless Steel, Add	*125.96*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	830.27	50.57
		For 316 Stainless Steel, Add	*140.78*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	961.18	54.75
		For 316 Stainless Steel, Add	*164.86*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,149.58	59.74
		For 316 Stainless Steel, Add	*200.06*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,331.07	73.01
		For 316 Stainless Steel, Add	*229.70*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,002.12	82.12
		For 316 Stainless Steel, Add	*359.37*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,456.29	93.34
		For 316 Stainless Steel, Add	*444.58*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	70.15	7.32
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*5.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*10.37*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	86.25	7.80
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*6.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*13.34*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	98.88	8.42
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.56*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	135.74	9.10
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.60*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	176.81	9.99
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.38*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	226.19	10.47
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*40.01*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	152.28	14.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.16*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	168.74	15.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.93*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	190.29	16.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.82*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	238.29	18.27
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*38.53*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	285.02	19.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*23.53*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*47.05*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	333.68	20.87
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*56.31*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	123.34	14.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*17.37*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	136.32	15.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.45*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	153.25	16.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.23*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	190.13	18.27
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.90*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	226.18	19.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*35.29*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	263.32	20.87
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.24*	

23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	255.05	14.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.86*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.72*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	324.35	15.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.53*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.05*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	364.40	16.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.23*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*64.46*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	499.44	18.27
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*45.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*90.77*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	688.81	19.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.82*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	885.68	20.87
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*83.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*166.72*	

23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	103.17	14.58
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	111.32	15.61
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	131.00	16.84
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	165.15	18.27
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	198.87	19.91
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	237.35	20.87

23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	124.47	14.58
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	139.10	15.61
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	151.36	16.84
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	185.51	18.27
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	230.40	19.91
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	278.08	20.80

23 51 16 00-0354 Vent Top Caps *(23 51 16 00-0311)*

23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	110.58	14.58
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	140.03	15.61
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	177.31	16.84
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	288.34	18.27
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	396.18	19.91
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	507.81	20.87

23 51 16 00-0361 Roof Support Assemblies *(23 51 16 00-0311)*

23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	168.87	14.58
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	188.19	15.61
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	204.16	16.84
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	258.64	18.27
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	307.24	19.91

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23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	378.16	20.87
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	140.46	27.85
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	152.57	27.85
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	25.97	8.47
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	29.61	8.91
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	33.98	9.90
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	42.28	11.64
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	31.28	9.70
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	37.95	10.21
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	46.72	11.35
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	57.87	13.35
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	52.12	12.83
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	61.76	13.51
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	77.05	15.01
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	100.06	17.66
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	77.32	18.94
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	88.64	19.94
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	115.75	22.16
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	150.82	26.07
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	32.12	10.28
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	37.73	10.83
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	47.42	11.22
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	55.23	11.69
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	32.12	10.28
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	37.73	10.83
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	47.42	11.22
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	55.23	11.69
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	32.12	10.28
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	37.73	10.83
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	47.42	11.22
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	55.23	11.69
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	32.12	10.28
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	37.73	10.83
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	46.81	11.22
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	56.72	11.69
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	101.96	15.44
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	128.50	16.24
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	151.06	16.84
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	165.40	17.52
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	37.99	10.28
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	54.82	10.83
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	63.97	11.22
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	87.58	11.69
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	42.18	10.56
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	46.24	11.02
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	84.01	11.45
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	57.24	10.56
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	45.02	11.02
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	116.18	11.45
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	42.18	10.56
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	46.24	11.02
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	104.06	11.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	53.30	15.44
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	59.90	16.24
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	92.46	16.84
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	98.78	17.52
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	153.77	16.84
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	201.48	21.04
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	126.13	17.52
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	187.22	21.90
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	197.28	11.02
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	228.53	11.45
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	73.64	15.44
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	89.23	16.24
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	102.37	16.84
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	116.98	17.52
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	129.89	16.84
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	143.31	17.52
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	42.79	5.14
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	55.06	5.41
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	65.50	5.62
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	85.70	5.84
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	82.44	15.44
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	101.44	16.24
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	117.51	16.84
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	141.86	17.52
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	108.09	10.28
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	95.19	10.83
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	119.34	11.22
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	244.91	10.83
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	261.55	11.22
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	305.45	11.69
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	63.44	10.28
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	67.21	10.28
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	70.98	10.28
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	74.75	10.28
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	68.56	10.83
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	72.33	10.83
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	76.10	10.83
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	79.87	10.83
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	77.09	11.22
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	80.86	11.22
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	84.63	11.22
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	67.17	10.28
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	86.28	10.83
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	77.73	15.44
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	102.77	16.24
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	121.73	16.84
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	134.23	17.52
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	27.32	8.91
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	32.77	9.90
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	32.92	10.21
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	41.28	11.35
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	49.89	13.51
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	68.73	19.94
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	83.51	22.16
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	30.34	8.91
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	39.19	10.21
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	64.55	13.51
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	33.32	10.28
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	39.24	10.83
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	49.35	11.22
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	32.76	10.28
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	38.86	10.83
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	48.68	11.22
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	21.55	5.14
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	25.19	5.41
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	28.28	5.62
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	56.10	5.41
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	64.51	5.84
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	10.99	2.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	10.44	2.71
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	10.75	2.80
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	17.17	2.92
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	20.89	3.86
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	24.60	4.05
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	28.63	4.20
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	19.84	3.86
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	19.75	4.20
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	24.17	4.38
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	14.98	4.05
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	29.52	10.28
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	32.61	10.83
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	35.19	11.22
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	39.42	11.69
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.42	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.71	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	3.67	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.06	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	9.02	2.57
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	10.25	2.71
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	11.06	2.80
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	12.25	2.92
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	46.57	5.14
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	47.73	5.41
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	35.20	5.62
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	40.59	3.86
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	41.85	4.05
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	56.39	4.20
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	96.00	4.38

23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe *(23 51 16 00-0372)*

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	7.29	0.91
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	6.29	0.91
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	8.97	1.07
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	7.71	1.07
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	12.98	1.31
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	11.04	1.31

23 51 16 00-0538 Polypropylene Flue/Vent Couplers *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	50.71	10.28
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	57.01	10.28
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	117.78	10.83
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	216.64	11.22
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	58.86	10.28
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	140.78	10.83
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	367.51	11.22

23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations *(23 51 16 00-0372)*

23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	67.22	10.28
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	61.87	10.83
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	76.89	11.22

23 51 16 00-0550 Aluminum Flue/Vent Fittings *(23 51 16)*

23 51 16 00-0551 Aluminum Vent Top Caps *(23 51 16 00-0550)*

23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	64.23	10.19
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	68.36	9.99
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	74.19	10.47
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	104.32	10.95
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	116.71	12.18
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	338.04	12.86
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	346.35	13.68

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	6,701.90	422.85
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	7,286.50	493.33
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	7,978.08	528.58
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	8,971.35	563.81
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	9,937.99	599.05
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	11,676.09	669.53
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	13,414.18	740.00
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	13,821.84	775.24
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	14,220.62	810.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	19,064.26	880.96
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	19,933.30	916.19
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	20,998.11	1,049.31
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	21,952.14	1,127.04
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	23,775.71	1,204.77
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	25,712.51	1,321.36
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	27,121.19	1,360.22
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	28,529.87	1,399.08
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	29,494.89	1,437.95
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	30,459.92	1,476.81
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	32,567.43	1,554.54
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	34,674.95	1,632.26
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	36,704.73	1,671.13
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	41,218.96	1,709.99
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	44,302.51	1,787.72
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	45,433.99	1,865.44
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	50,636.05	1,982.03
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	52,111.45	2,098.62
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	53,586.85	2,215.21
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	57,546.69	2,331.80
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	59,299.28	2,409.53
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	61,739.71	2,564.99
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	64,002.68	2,720.44
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	70,524.68	2,875.89
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	74,562.24	3,031.35

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	5,272.59	387.62
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	5,670.15	422.85
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	6,067.70	458.09
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	6,408.02	493.33
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	6,756.51	528.58
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	7,096.83	563.81
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	7,494.38	599.05
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	8,055.48	634.29
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	8,395.80	669.53
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	8,727.94	704.77
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	9,289.04	740.00
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	9,768.36	775.24
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	10,533.89	810.48
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	10,931.44	845.72
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	11,369.89	880.96
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	12,519.72	916.19
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	13,873.50	1,049.31
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	15,108.32	1,127.04
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	16,351.31	1,204.77
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	17,663.86	1,321.36
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	18,906.86	1,399.08
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	19,920.90	1,476.81
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	20,857.21	1,515.67
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	22,194.19	1,554.54
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	23,543.49	1,632.26
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	24,851.81	1,632.26
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	27,219.09	1,671.13
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	28,564.26	1,709.99
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	29,987.15	1,787.72
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	31,332.30	1,826.58
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	32,677.47	1,865.44
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	33,728.35	1,982.03
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	35,596.93	2,098.62
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	41,881.09	2,215.21
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	46,039.23	2,331.80
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	48,157.16	2,409.53
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	50,512.32	2,564.99
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	52,867.48	2,720.44
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	59,065.82	2,875.89
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	62,974.60	3,031.35
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	64,683.69	3,109.07
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	66,392.77	3,186.80
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	66,625.95	3,303.39
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	71,524.06	3,381.12
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	74,864.50	3,497.71
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	80,237.06	3,730.89
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	85,838.73	4,119.52
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	91,923.00	4,585.88
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	97,761.92	5,052.24

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0001		**Hamilton Evo Series Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).		
23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	9,757.84	281.90
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	10,260.86	375.49
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	10,926.65	422.78
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	11,584.24	446.33
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	15,342.47	516.80
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	17,783.57	563.73
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	24,099.24	657.69
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	33,618.58	751.70
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	41,182.86	822.17
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	59,620.58	963.06
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	65,722.17	1,033.54
23 52 16 13-0013		**Buderus SB615 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	30,072.66	610.75
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	31,528.89	657.69
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	35,098.71	751.70
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	38,011.17	845.65
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	42,314.58	916.12
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	48,426.65	963.06
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	57,935.97	1,033.54
23 52 16 13-0021		**Buderus SB735 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners.		
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	61,330.59	1,127.48
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	71,129.50	1,174.49
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	82,524.85	1,221.49
23 52 16 13-0025		**Lochinvar Knight Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0026	EA	165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	8,924.35	422.78
23 52 16 13-0027	EA	226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	11,756.68	469.79
23 52 16 13-0028		**Lochinvar Knight XL Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0029	EA	324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	14,195.18	540.27
23 52 16 13-0030	EA	406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	17,519.48	563.73
23 52 16 13-0031	EA	493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	20,618.83	610.75
23 52 16 13-0032	EA	574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	23,776.82	634.22
23 52 16 13-0033	EA	654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	27,307.95	681.22
23 52 16 13-0034		**Lochinvar SYNC Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0035	EA	941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	37,489.18	822.17
23 52 16 13-0036	EA	1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	42,725.96	892.58
23 52 16 13-0037	EA	1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	45,883.39	963.06
23 52 16 13-0038		**Lochinvar Crest Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0039	EA	1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	45,616.42	916.12
23 52 16 13-0040	EA	1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	54,748.96	1,033.54
23 52 16 13-0041	EA	2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	71,417.27	1,080.54
23 52 16 13-0042	EA	2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	78,788.94	1,127.48
23 52 16 13-0043	EA	3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	93,907.81	1,174.49
23 52 16 13-0044		**AERCO Benchmark Stainless-Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0045	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	37,960.48	963.06
23 52 16 13-0046	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	45,127.02	1,033.54
23 52 16 13-0047	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	65,130.66	1,151.01
23 52 16 13-0048	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	69,450.34	1,151.01

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,281.74	305.38
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,820.16	352.38
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	6,561.55	422.78
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	7,364.95	469.79
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,563.74	540.27
23 52 16 16-0007		Patterson Kelly Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	15,383.00	516.80
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	17,320.03	587.28
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	19,563.19	704.70
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	29,184.97	798.64
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	30,478.13	845.65
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	47,572.60	963.06
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	51,522.64	1,033.54
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	59,700.54	1,127.48
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	74,116.70	1,151.01
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	90,626.04	1,221.49
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,343.58	281.90
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,364.31	328.84
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,452.59	399.32
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,235.10	446.33
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	262.25	70.48
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	363.09	70.48
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	848.28	70.48
23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	8,643.01	516.80
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,751.57	540.27
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,135.18	634.22
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	19,713.31	634.22
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,352.29	681.22
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,930.43	681.22
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,469.13	798.64
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	35,724.33	845.65
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,698.51	892.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	37,267.98	892.58
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,921.33	916.12
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	45,490.79	916.12
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	590.79	70.48
23 52 16 16-0040		Buderus GB312 Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	17,304.59	516.80
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	19,038.49	563.73
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	22,649.01	622.45
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	26,098.78	681.22
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	31,337.50	751.70
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	34,617.91	822.17
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	508.91	35.24
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	231.24	35.24
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	343.77	35.24
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	761.73	35.24
23 52 16 19		**Copper Water-Tube Condensing Boilers** *(23 52 16)*		
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	35,702.38	892.58
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	40,270.70	986.60
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	44,103.32	1,033.54
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	47,620.79	1,080.54
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	11,935.23	446.33
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	17,523.36	563.73
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	28,967.87	657.69
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	38,034.03	845.65
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	50,785.01	986.60
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	55,422.23	1,033.54
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	70,647.70	1,127.48
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	77,268.32	1,151.01
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	12,733.68	2,406.55
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	13,951.85	2,567.00
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	15,287.45	2,727.43
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	16,527.77	2,887.87
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	17,671.41	3,048.30
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	19,245.88	3,208.75
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	20,457.26	3,369.18
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	21,413.92	3,529.62
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	22,367.00	3,690.05
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	23,471.29	3,850.50

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0013		**Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	9,297.03	310.91
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	10,356.57	310.91
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	11,846.45	388.63
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	12,926.81	388.63
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	14,224.94	466.36
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	15,653.73	466.36
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	17,017.61	544.09
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	18,127.28	621.81
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	18,923.86	621.81
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	20,179.26	699.54
23 52 23 00-0024		**Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	13,352.75	2,406.55
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,681.58	2,567.00
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	15,950.35	2,727.43
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,370.36	2,887.87
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,537.01	3,048.30
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,251.73	3,208.75
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,320.68	3,369.18
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,359.51	3,529.62
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,313.68	3,690.05
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,447.56	3,850.50
23 52 23 00-0035		**Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	9,916.10	310.91
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	11,086.30	310.91
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	12,509.35	388.63
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	13,769.40	388.63
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	15,090.54	466.36
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	16,659.58	466.36
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	17,881.02	544.09
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	19,072.87	621.81
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	19,870.54	621.81
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	21,155.53	699.54
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	20,888.20	3,609.84
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	23,114.31	3,830.44
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	25,877.39	4,051.04
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	28,308.10	4,271.64
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	30,417.31	4,492.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	33,488.41	4,712.84
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	35,617.82	4,933.44
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	37,497.92	5,154.04
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	40,018.70	5,374.64
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	42,039.93	5,595.24
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	45,277.99	5,815.84
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	47,199.62	6,036.45
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	49,239.84	6,257.05
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	51,516.72	6,477.65
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	53,363.31	6,698.25
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	17,032.95	544.09
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	19,316.12	621.81
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	22,149.33	699.54
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	24,626.43	777.27
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	26,480.35	777.27
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	29,611.58	855.00
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	31,488.52	855.00
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	33,425.46	932.72
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	35,694.65	932.72
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	37,772.93	1,010.45
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	39,784.36	1,088.18
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	41,454.21	1,088.18
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	43,552.19	1,165.90
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	45,575.95	1,165.90
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	47,502.97	1,243.63
23 52 23 00-0079		**Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	21,650.81	3,609.84
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	23,872.53	3,830.44
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	26,832.84	4,051.04
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	29,359.97	4,271.64
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	31,361.81	4,492.23
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	34,373.74	4,712.84
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	36,946.90	4,933.44
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	38,827.00	5,154.04
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	41,321.49	5,374.64
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	43,902.62	5,595.24
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	47,234.91	5,815.84
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	49,815.06	6,036.45
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	51,195.67	6,257.05
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	53,413.38	6,477.65
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	55,280.79	6,698.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0095		**Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	17,795.55	544.09
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	20,074.34	621.81
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	23,093.82	699.54
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	25,678.30	777.27
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	27,427.04	777.27
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	30,496.91	855.00
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	32,817.60	855.00
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	34,754.54	932.72
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	36,997.44	932.72
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	39,641.10	1,010.45
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	41,741.28	1,088.18
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	42,973.94	1,088.18
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	45,508.02	1,165.90
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	47,472.61	1,165.90
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	49,398.53	1,243.63
23 52 23 00-0111		**Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		**Gas Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	57,849.99	7,019.12
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	62,773.39	7,420.21
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	67,263.36	7,821.31
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	71,658.23	8,222.41
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	76,094.41	8,623.50
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	81,668.93	9,024.59
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	85,844.65	9,425.68
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	89,882.71	9,826.77
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	96,501.38	10,227.87
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	100,537.09	10,628.96
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	103,988.88	11,030.05
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	110,374.30	11,431.14
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	114,444.21	11,832.23
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	120,977.82	12,233.33
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	125,266.14	12,634.43
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	129,965.16	13,035.52
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	133,991.00	13,436.61
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	138,134.72	13,837.70
23 52 23 00-0131		**Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	52,597.76	1,010.45
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	57,375.82	1,088.18
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	61,717.80	1,165.90
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	65,967.71	1,243.63
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	69,945.10	1,243.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	74,092.13	1,321.36
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	77,809.84	1,321.36
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	81,701.46	1,399.08
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	87,862.58	1,399.08
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	91,753.08	1,476.81
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	94,746.54	1,476.81
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	100,987.42	1,554.54
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	104,598.85	1,554.54
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	111,006.29	1,632.26
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	114,816.04	1,632.26
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	119,367.30	1,709.99
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	122,936.00	1,709.99
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	126,932.78	1,787.72
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	54,580.42	7,019.12
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	59,503.82	7,420.21
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	65,508.05	7,821.31
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	69,507.37	8,222.41
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	73,674.01	8,623.50
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	78,947.21	9,024.59
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	83,326.73	9,425.68
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	87,366.98	9,826.77
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	94,767.99	10,227.87
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	98,804.79	10,628.96
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	102,840.58	11,030.05
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	110,381.97	11,431.14
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	114,451.88	11,832.23
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	121,161.90	12,233.33
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	125,449.12	12,634.43
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	130,053.91	13,035.52
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	134,079.75	13,436.61
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	138,230.04	13,837.70
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	49,150.68	1,010.45
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	53,928.75	1,088.18
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	59,784.99	1,165.90
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	63,639.34	1,243.63
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	67,347.19	1,243.63
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	71,192.91	1,321.36
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	75,114.42	1,321.36
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	79,006.04	1,399.08
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	85,951.68	1,399.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	89,841.09	1,476.81
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	93,420.74	1,476.81
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	100,817.59	1,554.54
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	104,429.02	1,554.54
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	110,990.95	1,632.26
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	114,821.51	1,632.26
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	119,278.55	1,709.99
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	122,847.25	1,709.99
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	126,850.61	1,787.72
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	58,877.76	7,019.12
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	63,802.26	7,420.21
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	68,572.72	7,821.31
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	73,078.26	8,222.41
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	77,489.24	8,623.50
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	82,183.90	9,024.59
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	87,555.04	9,425.68
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	91,862.64	9,826.77
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	98,653.34	10,227.87
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	102,689.04	10,628.96
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	106,217.53	11,030.05
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	112,677.46	11,431.14
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	117,843.07	11,832.23
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	124,963.98	12,233.33
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	129,219.42	12,634.43
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	134,122.25	13,035.52
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	138,149.18	13,436.61
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	142,296.19	13,837.70
23 52 23 00-0207		**Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	53,705.51	1,010.45
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	58,484.67	1,088.18
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	63,110.44	1,165.90
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	67,468.82	1,243.63
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	71,421.01	1,243.63
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	74,687.10	1,321.36
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	79,600.22	1,321.36
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	83,760.28	1,399.08
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	90,095.62	1,399.08
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	93,983.93	1,476.81
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	97,055.18	1,476.81
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	103,370.57	1,554.54
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	108,078.79	1,554.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	115,051.61	1,632.26
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	118,850.40	1,632.26
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	123,604.38	1,709.99
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	127,174.17	1,709.99
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	131,175.33	1,787.72

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Package Oil Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.

23 52 33 16-0002	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,596.10	621.81
		For Steam System, Add	*2,470.49*	
23 52 33 16-0003	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,976.14	699.54
		For Steam System, Add	*2,515.41*	
23 52 33 16-0004	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,356.19	777.27
		For Steam System, Add	*2,560.33*	
23 52 33 16-0005	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,091.98	855.00
		For Steam System, Add	*2,676.40*	
23 52 33 16-0006	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,834.96	932.72
		For Steam System, Add	*2,793.90*	
23 52 33 16-0007	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,158.29	1,010.45
		For Steam System, Add	*3,027.48*	
23 52 33 16-0008	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,022.07	1,049.31
		For Steam System, Add	*3,184.69*	
23 52 33 16-0009	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,885.87	1,088.18
		For Steam System, Add	*3,341.90*	
23 52 33 16-0010	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,478.70	1,165.90
		For Steam System, Add	*3,629.38*	
23 52 33 16-0011	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,071.54	1,243.63
		For Steam System, Add	*3,916.86*	
23 52 33 16-0012	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,999.50	1,399.08
		For Steam System, Add	*4,240.27*	
23 52 33 16-0013	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,747.77	1,554.54
		For Steam System, Add	*4,527.74*	
23 52 33 16-0014	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,418.64	1,632.26
		For Steam System, Add	*5,030.82*	
23 52 33 16-0015	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	30,011.46	1,709.99
		For Steam System, Add	*5,318.30*	
23 52 33 16-0016	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	32,323.00	1,787.72
		For Steam System, Add	*5,749.51*	
23 52 33 16-0017	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	36,071.89	1,865.44
		For Steam System, Add	*6,468.20*	
23 52 33 16-0018	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	38,718.53	2,020.90
		For Steam System, Add	*6,935.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0019	EA	3,100 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	41,365.19	2,176.35
		For Steam System, Add	*7,402.50*	
23 52 33 16-0020	EA	3,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	44,191.51	2,331.80
		For Steam System, Add	*7,905.58*	
23 52 33 16-0021	EA	4,300 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	48,922.35	2,487.26
		For Steam System, Add	*8,789.57*	
23 52 33 16-0022	EA	5,160 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	50,922.17	2,642.71
		For Steam System, Add	*9,127.35*	

23 52 33 16-0023 Package Gas Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.

23 52 33 16-0024	EA	200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,294.82	621.81
		For Steam System, Add	*2,410.24*	
		For LP Gas Burner, Add	*602.56*	
23 52 33 16-0025	EA	285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,669.38	699.54
		For Steam System, Add	*2,454.06*	
		For LP Gas Burner, Add	*613.52*	
23 52 33 16-0026	EA	350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,043.95	777.27
		For Steam System, Add	*2,497.88*	
		For LP Gas Burner, Add	*624.47*	
23 52 33 16-0027	EA	430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,769.09	855.00
		For Steam System, Add	*2,611.82*	
		For LP Gas Burner, Add	*652.96*	
23 52 33 16-0028	EA	520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,494.24	932.72
		For Steam System, Add	*2,725.76*	
		For LP Gas Burner, Add	*681.44*	
23 52 33 16-0029	EA	600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,789.08	1,010.45
		For Steam System, Add	*2,953.64*	
		For LP Gas Burner, Add	*738.41*	
23 52 33 16-0030	EA	680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,633.70	1,049.31
		For Steam System, Add	*3,107.02*	
		For LP Gas Burner, Add	*776.75*	
23 52 33 16-0031	EA	770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,478.32	1,088.18
		For Steam System, Add	*3,260.39*	
		For LP Gas Burner, Add	*815.10*	
23 52 33 16-0032	EA	860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,036.09	1,165.90
		For Steam System, Add	*3,540.86*	
		For LP Gas Burner, Add	*885.21*	
23 52 33 16-0033	EA	1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,593.87	1,243.63
		For Steam System, Add	*3,821.32*	
		For LP Gas Burner, Add	*955.33*	
23 52 33 16-0034	EA	1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,482.39	1,399.08
		For Steam System, Add	*4,136.84*	
		For LP Gas Burner, Add	*1,034.21*	
23 52 33 16-0035	EA	1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,195.61	1,554.54
		For Steam System, Add	*4,417.31*	
		For LP Gas Burner, Add	*1,104.33*	
23 52 33 16-0036	EA	1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	27,805.12	1,632.26
		For Steam System, Add	*4,908.12*	
		For LP Gas Burner, Add	*1,227.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0037	EA	2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	29,362.89	1,709.99
		For Steam System, Add	*5,188.58*	
		For LP Gas Burner, Add	*1,297.15*	
23 52 33 16-0038	EA	2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	31,621.84	1,787.72
		For Steam System, Add	*5,609.28*	
		For LP Gas Burner, Add	*1,402.32*	
23 52 33 16-0039	EA	2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	35,283.09	1,865.44
		For Steam System, Add	*6,310.44*	
		For LP Gas Burner, Add	*1,577.61*	
23 52 33 16-0040	EA	2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	37,872.76	2,020.90
		For Steam System, Add	*6,766.19*	
		For LP Gas Burner, Add	*1,691.55*	
23 52 33 16-0041	EA	3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	40,462.45	2,176.35
		For Steam System, Add	*7,221.95*	
		For LP Gas Burner, Add	*1,805.49*	
23 52 33 16-0042	EA	3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	43,227.41	2,331.80
		For Steam System, Add	*7,712.76*	
		For LP Gas Burner, Add	*1,928.19*	
23 52 33 16-0043	EA	4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	46,798.71	2,487.26
		For Steam System, Add	*8,364.84*	
		For LP Gas Burner, Add	*2,091.21*	
23 52 33 16-0044	EA	5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	48,757.34	2,642.71
		For Steam System, Add	*8,694.38*	
		For LP Gas Burner, Add	*2,173.60*	

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	74,053.80	1,865.44
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	77,374.65	2,020.90
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	80,969.11	2,176.35
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	87,573.50	2,331.80
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,441.55	2,487.26
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,241.32	2,642.71
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	106,032.22	2,798.17
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	122,784.52	3,109.07
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	139,824.19	3,419.98
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	153,384.24	3,769.75
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	166,944.40	4,119.52
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	175,184.36	4,819.06
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	213,728.66	5,518.60
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	253,230.68	6,218.14
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	293,093.42	6,995.40
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	332,157.02	7,578.36

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	58,872.82	855.00
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,355.61	932.72
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,814.55	1,010.45
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,757.69	1,165.90
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,161.49	1,243.63
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,654.69	1,321.36
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,084.67	1,360.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,644.05	1,399.08
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,871.71	1,554.54
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,148.35	1,709.99
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,807.29	1,884.87
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	131,464.63	2,059.76
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	138,353.84	2,409.53
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,485.94	2,759.30
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,234.77	3,109.07
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	214,838.99	3,458.84
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	261,452.51	3,808.61
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	306,238.36	4,158.39
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	349,118.96	4,508.16
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	390,252.33	4,857.93
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	605,236.89	5,207.70
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	658,640.31	5,557.47
23 52 39 13-0025		**15 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	54,483.11	855.00
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	58,635.50	932.72
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,683.98	1,010.45
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,303.22	1,165.90
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,266.48	1,243.63
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,226.10	1,321.36
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,036.44	1,360.22
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,693.07	1,399.08
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,964.75	1,554.54
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,249.60	1,709.99
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,919.48	1,884.87
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	131,587.77	2,059.76
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	138,482.44	2,409.53
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,644.65	2,759.30
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,404.42	3,109.07
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,041.48	3,458.84
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	261,698.78	3,808.61
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	306,528.41	4,158.39
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	349,450.06	4,508.16
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	390,624.47	4,857.93
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	605,819.70	5,207.70
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	659,277.88	5,557.47
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	60,794.12	855.00
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,421.52	932.72
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,055.58	1,010.45
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,543.24	1,165.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,722.66	1,243.63
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,898.45	1,321.36
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,922.22	1,360.22
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,946.53	1,399.08
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,746.31	1,554.54
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,559.27	1,709.99
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,645.07	1,884.87
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,726.54	2,059.76
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,851.07	2,409.53
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,211.77	2,759.30
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	189,485.96	3,109.07
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	223,425.50	3,458.84
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	271,968.11	3,808.61
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	318,606.43	4,158.39
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	363,260.16	4,508.16
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	406,090.03	4,857.93
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	630,196.17	5,207.70
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	685,821.32	5,557.47
23 52 39 13-0071		125 PSI Water Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072		125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	69,799.60	932.72
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	78,375.18	1,010.45
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	84,095.66	1,165.90
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,410.88	1,243.63
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,862.03	1,321.36
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,022.84	1,360.22
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,931.45	1,399.08
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,872.81	1,554.54
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	128,478.83	1,709.99
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,584.79	1,884.87
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,277.00	2,059.76
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	171,129.24	2,409.53
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	199,307.63	2,759.30
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	214,643.50	3,109.07
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	239,506.74	3,458.84
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	290,719.97	3,808.61
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	340,658.28	4,158.39
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	388,472.43	4,508.16
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	434,328.65	4,857.93
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	674,701.21	5,207.70
23 52 39 13-0093	EA	1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	734,284.80	5,557.47
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	64,567.79	932.72
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,486.66	1,010.45
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,186.98	1,165.90
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,889.27	1,243.63
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,585.19	1,321.36
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,129.09	1,360.22
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,386.69	1,399.08
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,985.00	1,554.54
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	128,599.22	1,709.99
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,713.40	1,884.87
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,411.08	2,059.76
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	171,290.68	2,409.53
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	199,496.43	2,759.30
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	214,845.99	3,109.07
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	239,733.85	3,458.84
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	290,996.34	3,808.61
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	340,983.90	4,158.39
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	388,844.57	4,508.16
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	434,744.57	4,857.93
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	675,354.43	5,207.70
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	734,996.70	5,557.47
23 52 39 13-0116		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,087.15	932.72
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,947.30	1,010.45
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	87,392.90	1,165.90
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,530.27	1,243.63
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,664.00	1,321.36
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,645.70	1,360.22
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,627.95	1,399.08
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,642.18	1,554.54
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,672.32	1,709.99
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,095.70	1,884.87
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,960.30	2,059.76
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	178,027.45	2,409.53
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	207,349.61	2,759.30
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,279.27	3,109.07
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	249,146.72	3,458.84
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	302,488.80	3,808.61
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	354,498.48	4,158.39
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	404,296.45	4,508.16
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	452,048.93	4,857.93
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	702,629.32	5,207.70
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	764,692.80	5,557.47

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0138		150 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139		150 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,242.81	932.72
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,245.01	1,010.45
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,885.91	1,165.90
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,217.31	1,243.63
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,665.49	1,321.36
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,779.55	1,360.22
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,660.56	1,399.08
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,070.53	1,554.54
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,139.69	1,709.99
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,786.66	1,884.87
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,432.05	2,059.76
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,968.50	2,409.53
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,722.69	2,759.30
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,159.92	3,109.07
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,144.31	3,458.84
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	335,324.40	3,808.61
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	393,113.15	4,158.39
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	448,446.65	4,508.16
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	501,499.34	4,857.93
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	780,562.05	5,207.70
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	849,548.89	5,557.47
23 52 39 13-0161		150 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,105.29	932.72
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,576.65	1,010.45
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,692.65	1,165.90
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,454.90	1,243.63
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,210.79	1,321.36
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,814.65	1,360.22
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,121.27	1,399.08
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,188.19	1,554.54
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,273.77	1,709.99
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,934.42	1,884.87
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,593.49	2,059.76
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,135.42	2,409.53
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,927.91	2,759.30
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,381.56	3,109.07
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,406.99	3,458.84
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	335,644.55	3,808.61
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	393,490.76	4,158.39
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	448,876.25	4,508.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	501,980.93	4,857.93
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	781,320.88	5,207.70
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	850,378.12	5,557.47
23 52 39 13-0183		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,927.12	932.72
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,159.17	1,010.45
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,506.03	1,165.90
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,547.39	1,243.63
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,582.38	1,321.36
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,468.08	1,360.22
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,351.59	1,399.08
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	129,105.33	1,554.54
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,874.97	1,709.99
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	161,074.68	1,884.87
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,275.53	2,059.76
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	184,115.72	2,409.53
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,465.17	2,759.30
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	242,586.47	3,109.07
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	286,305.67	3,458.84
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	348,997.69	3,808.61
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	409,191.65	4,158.39
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	466,829.12	4,508.16
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	522,087.26	4,857.93
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	813,007.94	5,207.70
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	884,881.47	5,557.47

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,173.38	880.33
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,530.43	1,037.13
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,854.81	1,073.46
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,011.53	1,112.85
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,306.38	1,189.34
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,312.57	1,288.76
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,357.18	1,376.72
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	10,723.59	1,567.93
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	11,788.84	1,682.67
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	12,696.58	1,797.39

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	5,657.26	750.55
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	5,921.60	880.33
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	6,607.65	1,037.13
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	7,127.33	1,073.46
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	7,257.12	1,112.85
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	8,717.95	1,189.34
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,269.59	1,288.76
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,577.46	1,376.72
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,722.14	1,474.31
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,684.61	1,567.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	14,639.35	1,682.67
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,791.79	1,797.39
23 53 16 00-0026		Boiler Feedwater System *(23 53 16)*		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	7,096.64	1,037.13
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	9,207.56	1,188.19
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	12,096.49	1,359.89
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,534.19	1,568.70
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	15,429.80	1,682.67
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,285.29	1,797.39
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,145.30	2,065.16
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	23,388.13	2,371.17
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	30,274.61	2,739.83
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	38,253.99	3,145.05
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	48,905.45	3,618.48
23 53 16 00-0038		Duplex Vacuum Condensate Pumps *(23 53 16)*		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	19,126.91	611.88
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	19,562.77	650.12
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	20,063.96	688.37
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	19,403.55	726.61
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	26,293.55	764.85
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	27,676.83	803.09
23 54		Furnaces *(23 50)*		
		Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13		**Electric-Resistance Furnaces** *(23 54)*		
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	946.97	68.43
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,260.35	85.54
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,645.87	102.64
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	946.97	68.43
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,141.97	76.99
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,245.32	85.54
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,294.57	94.10
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,645.87	102.64
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	162.75	20.03
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	187.29	22.03
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	202.82	24.04
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	285.97	26.03
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	309.01	28.04
23 54 16		**Fuel-Fired Furnaces** *(23 54)*		
23 54 16 13		**Gas-Fired Furnaces** *(23 54 16)*		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,580.01	59.88
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,674.32	68.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,935.45	76.99
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,254.85	94.10
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,401.78	102.64
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,772.35	59.88
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,935.81	68.43
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,044.81	76.99
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,774.88	85.54
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,406.64	94.10
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,531.02	102.64
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,546.87	59.88
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,776.45	68.43
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,904.99	85.54
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,029.37	94.10
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,066.90	59.88
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,167.24	68.43
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,411.83	76.99
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,615.53	94.10
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,800.02	102.64
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,396.65	59.88
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,462.43	68.43
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,630.38	76.99
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,645.41	76.99
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,792.34	85.54
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,882.16	94.10
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,990.01	102.64
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	935.29	59.88
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,017.60	68.43
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,166.01	76.99
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,167.52	76.99
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,279.88	85.54
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,302.08	94.10
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,450.50	102.64
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	950.32	59.88

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23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,022.11	68.43
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,233.64	76.99
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,356.53	85.54
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,709.52	51.33
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,963.73	64.19
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,536.70	51.33
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	1,640.97	55.63
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	1,617.50	59.88
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	1,661.74	64.19
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	1,724.97	64.19
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	2,786.40	68.43
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	2,922.10	94.10
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,367.73	111.20
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,201.62	94.10
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,197.91	111.20
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	2,744.77	94.10
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,259.53	111.20
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	120.20	17.11
23 54 19 00-0002	EA	1" Furnace External Filter Rack	36.66	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	316.81	
23 55		Fuel-Fired Heaters *(23 50)*		
23 55 23		**Gas-Fired Radiant Heaters** *(23 55)*		
23 55 23 13		**Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)*		
23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)* Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	693.06	76.48
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	762.50	84.13
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	817.43	84.13
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,026.69	100.96
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,035.95	100.96
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	752.28	75.27
		For Stainless Steel Housing, Add	*131.05*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	808.73	75.27
		For Stainless Steel Housing, Add	*145.16*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	873.24	75.27
		For Stainless Steel Housing, Add	*161.29*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	950.80	75.27
		For Stainless Steel Housing, Add	*180.68*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,041.40	82.12
		For Stainless Steel Housing, Add	*201.33*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,113.82	88.96
		For Stainless Steel Housing, Add	*216.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,822.64	95.80
		For Stainless Steel Housing, Add	*387.16*	
23 55 23 13-0016		**Gas Fired Tubular Infrared Heater** *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		**"U" Package** *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	67.32	3.83
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	77.58	4.58
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	95.07	5.35
23 55 23 13-0021		**"S" Straight Package** *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	54.62	3.06
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	69.72	3.83
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	84.80	4.58
23 55 23 13-0025		**Tube Type, High Efficiency (Condensing) Infrared Overhead Heating System - Radiant Heating for Total Heating or Spot Locations, Ceiling Hung Units** *(23 55 23 13)* Note: Model CRV-B, (CORAYVAC® B Series) System as manufactured by Roberts Gordon LLC. Does not include beam clamps, hanger chain/rod, air intake/exhaust piping. Excludes shipping.		
23 55 23 13-0026		**Burner Unit Packages** *(23 55 23 13-0025)* Note: Natural or LP		
23 55 23 13-0027	EA	20,000 BTU/H Input, Model CRV B-2, Natural Gas Only (CORAYVAC® 0270002NG) Note: Includes filter and flexible gas line with shut-off.	941.40	51.00
23 55 23 13-0028	EA	40 To 120 MBTU/H Models; CRV B-4, 6, 8, 9, 10, 12A (Natural Gas Only), CRV B-12 (LP Gas Only) (CORAYVAC® 02700xxNG Or LP) Note: Includes filter and flexible gas line with shut-off.	817.70	51.00
23 55 23 13-0029	EA	Combustion Chamber, Hot Rolled Steel (CORAYVAC® 02722300-1P)	146.24	25.49
23 55 23 13-0030	EA	Combustion Chamber, Heat Treated Aluminized Steel (CORAYVAC® 02722301-1P)	152.13	25.49
23 55 23 13-0031	EA	Combustion Chamber, Double Porcelain Coated Steel (CORAYVAC® 0272230D-1P)	212.02	25.49
23 55 23 13-0032	EA	Outside Air Filter Housing (CORAYVAC® 01326801) Note: Order one per burner if outside air supply is required.	53.49	19.13
23 55 23 13-0033	EA	Outside Air Pressure Switch (CORAYVAC® 90434501) Note: For non-pressurized outside air supply.	97.14	38.24
23 55 23 13-0034	EA	Outside Air Blower (CORAYVAC® 90707501)	776.35	152.97
23 55 23 13-0035	EA	Outside Air Blower Mounting Kit (CORAYVAC® 01316000)	117.25	57.37
23 55 23 13-0036		**Radiant Tubing and Fittings** *(23 55 23 13-0025)*		
23 55 23 13-0037	LF	4" Tube, Hot Rolled Steel, 16 Gauge (CORAYVAC® 91409300)	8.57	3.19
23 55 23 13-0038	LF	4" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® 91409408)	12.02	3.19
23 55 23 13-0039	LF	4" Tube, Double Porcelain Coated, 16 Gauge (CORAYVAC® 9141030D)	20.77	3.19
23 55 23 13-0040	LF	6" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® E0009105)	20.96	3.19
23 55 23 13-0041	EA	4" Elbow, Aluminized (CORAYVAC® 01335801)	68.68	25.49
23 55 23 13-0042	EA	4" Elbow, Porcelain Coated (CORAYVAC® 0133580D)	97.15	25.49
23 55 23 13-0043	EA	6" Elbow, Aluminized (CORAYVAC® T0100320)	171.76	25.49
23 55 23 13-0044	EA	4" Tee, Hot Rolled (CORAYVAC® 02718600)	182.56	25.49
23 55 23 13-0045	EA	4" Tee, Aluminized (CORAYVAC® 02718603)	191.39	25.49
23 55 23 13-0046	EA	6" Tee, Aluminized (CORAYVAC® 01330204)	182.56	25.49
23 55 23 13-0047	EA	4" Tee, Double Porcelain Coated (CORAYVAC® 02718602)	205.14	25.49
23 55 23 13-0048	EA	4" Cross, Aluminized (CORAYVAC® 01330903)	194.84	31.87
23 55 23 13-0049	EA	6" Cross, Aluminized (CORAYVAC® 01330904)	284.16	31.87
23 55 23 13-0050	EA	4" Cross, Double Porcelain Coated (CORAYVAC® 0133092D)	189.92	31.87
23 55 23 13-0051	EA	4" Coupling, Plain (CORAYVAC® 01312700)	33.86	6.37
23 55 23 13-0052	EA	6" Coupling, Plain (CORAYVAC® 01312706)	41.71	6.37
23 55 23 13-0053	EA	4" Coupling, Lined (CORAYVAC® 0131270I)	38.76	6.37
23 55 23 13-0054	EA	4" Coupling, Damper (CORAYVAC® 01331900)	111.87	38.24
23 55 23 13-0055	EA	6" Coupling, Damper (CORAYVAC® E0009356)	113.83	38.24
23 55 23 13-0056	EA	4" To 6" Aluminized Adapter (CORAYVAC® 91418200)	93.26	12.75
23 55 23 13-0057	EA	4" "U" Tube Assembly, Plain (CORAYVAC® 03011000) Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.	202.19	25.49
23 55 23 13-0058	EA	4" "U" Tube Assembly, Stainless Steel (CORAYVAC® 030110SS) Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.	246.37	25.49
23 55 23 13-0059		**Reflectors, Hangers, Shields and Accessories** *(23 55 23 13-0025)*		
23 55 23 13-0060	LF	Reflector, Aluminum 8' (CORAYVAC® 02750303) Note: Need 1' overlap per reflector.	8.97	1.82
23 55 23 13-0061	LF	Reflector With Burner Mounting Hole, Aluminum (CORAYVAC® 02750304)	10.58	2.73
23 55 23 13-0062	LF	Reflector, Stainless Steel 8' (CORAYVAC® 027503SS) Note: Need 1' overlap per reflector.	28.33	1.82
23 55 23 13-0063	LF	Reflector With Burner Mounting Hole, Stainless Steel (CORAYVAC® 027503SH)	35.82	2.73
23 55 23 13-0064	LF	Reflector Side Extensions, Aluminum, 8' (CORAYVAC® 02712700)	10.15	4.55
23 55 23 13-0065	LF	Reflector Side Extensions, Stainless Steel, 8' (CORAYVAC® 027127SS)	32.04	4.55
23 55 23 13-0066	LF	Reflector Side Extension Brackets (CORAYVAC® 01329910) Note: Two needed per reflector side extension.	3.64	1.82
23 55 23 13-0067	EA	End Cap, Reflector, Aluminum (CORAYVAC® 02750800)	11.28	6.37
23 55 23 13-0068	EA	End Cap, Reflector, Stainless Steel (CORAYVAC® 027508SS)	31.90	6.37
23 55 23 13-0069	EA	Joint, Reflector, Aluminum (CORAYVAC® 02750900) Note: Includes modification to reflector.	52.48	31.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0070	EA	Joint, Reflector, Stainless Steel (CORAYVAC® 027509SS)	78.01	31.87
		Note: Includes modification to reflector.		
23 55 23 13-0071	EA	Reflector Support Strap and Wire Form (CORAYVAC® 03050010)	9.73	3.83
		Note: One needed per reflector.		
23 55 23 13-0072	EA	Tube And Reflector Hanger (CORAYVAC® 03090100)	26.01	19.13
		Note: Includes “S” hook and turnbuckle.		
23 55 23 13-0073	EA	Turnbuckle (CORAYVAC® 91903201)	7.76	3.83
		Note: One needed per tube and reflector hanger and one needed per combustion chamber.		
23 55 23 13-0074		**Vacuum Pump and Accessories** *(23 55 23 13-0025)*		
23 55 23 13-0075	EA	EP-100 Vacuum Pump, 1/3 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02719105)	1,209.10	305.94
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0076	EA	EP-201 Vacuum Pump, 3/4 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02716305)	1,534.04	305.94
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0077	EA	EP-203 Vacuum Pump, 3/4 HP, 208-230/460 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02712034)	1,639.09	305.94
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0078	EA	EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02723014)	2,301.69	331.43
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0079	EA	EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 6" Inlet (CORAYVAC® 02723016)	2,329.18	331.43
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0080	EA	EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02723034)	2,506.86	331.43
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0081	EA	EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 6" Inlet (CORAYVAC® 02723036)	2,532.39	331.43
		Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0082	EA	Contactor Package For EP-301, 120 Volt AC Coil, 230 Volt AC, 2 HP, 1 Phase (CORAYVAC® 10050009)	494.75	25.49
23 55 23 13-0083	EA	Condensate Valve (CORAYVAC® 01327001)	41.22	12.75
23 55 23 13-0084	EA	Drain Cap 4" (CORAYVAC® 02718851)	39.26	12.75
23 55 23 13-0085	EA	Drain Cap 6" (CORAYVAC® 02718852)	42.21	12.75
23 55 23 13-0086		**Controls and Accessories** *(23 55 23 13-0025)*		
23 55 23 13-0087	EA	System Control, CORAYVAC® Control Panel (CORAYVAC® 02770002)	1,035.59	76.48
		Note: For up to two complete CORAYVAC® systems totaling up to four heater zones. With pre-purge and post-purge control. Thermostats needed for each zone.		
23 55 23 13-0088	EA	Load Relay Package (CORAYVAC® 05023000)	72.63	12.75
23 55 23 13-0089	EA	Transformer Relay SPST (CORAYVAC® 90417600)	56.92	12.75
		Note: For basic one zone control without control panel. Thermostats needed for each zone.		
23 55 23 13-0090	EA	Transformer Relay DPST (CORAYVAC® 90436300)	96.19	12.75
		Note: For basic two zone control without control panel. Thermostats needed for each zone.		
23 55 23 13-0091	EA	Thermostat 24 Volt (CORAYVAC® 90423000)	464.57	12.75
		Note: Marked 1 to 5.		
23 55 23 13-0092	EA	Thermostat 120 Volt (CORAYVAC® 90439400)	42.21	12.75
		Note: Marked 1 to 5.		
23 55 23 13-0093		**ULTRAVAC™ Building Management Controls** *(23 55 23 13-0025)*		
		Note: Featuring high-efficiency CORAYVAC® burner with modulation for enhanced fuel savings.		
23 55 23 13-0094	EA	ULTRAVAC™ Central Control, Model URVCCL (CORAYVAC®)	2,855.57	152.97
		Note: Includes windows-based comprehensive building management software, Local Area Computer Network (LAN TCP/IP) interface card, modem and one outdoor sensor.		
23 55 23 13-0095	EA	ULTRAVAC™ Control, Model URVCCM (CORAYVAC®)	2,439.33	152.97
		Note: Includes windows-based comprehensive building management software, modem and one outdoor sensor.		
23 55 23 13-0096	EA	ULTRAVAC™ Control, Model URVCCR (CORAYVAC®)	2,562.05	152.97
		Note: Includes windows-based comprehensive building management software, RS-485 adapter for hardwire communications to remote PC, modem and one outdoor sensor.		
23 55 23 13-0097	EA	ULTRAVAC™ Satellite Controller (CORAYVAC® URVSC)	2,079.06	152.97
23 55 23 13-0098	EA	Enclosure NEMA 4 for ULTRAVAC™ Controller (CORAYVAC® 10080302)	1,100.44	38.24
23 55 23 13-0099	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75115)	1,785.15	57.37
23 55 23 13-0100	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75230)	1,628.08	57.37
23 55 23 13-0101	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD20230)	1,594.71	57.37
23 55 23 13-0102	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75115N4)	2,450.74	57.37
23 55 23 13-0103	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75230N4)	1,882.34	57.37
23 55 23 13-0104	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD75460)	1,780.24	57.37
23 55 23 13-0105	EA	Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD75460N4)	2,094.39	57.37
23 55 23 13-0106	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD20230N4)	2,493.94	57.37
23 55 23 13-0107	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD20460)	1,771.41	57.37
23 55 23 13-0108	EA	Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD20460N4)	2,498.84	57.37
23 55 23 13-0109	EA	Indoor Zone Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081500)	206.14	12.75
		Note: One required per heating zone.		
23 55 23 13-0110	EA	Outdoor Temperature Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081501)	105.47	57.37
		Note: Can be used for indoor NEMA 4 sensor.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0111		High Efficiency Modulating Radiant Tube Heaters, Non-Condensing *(23 55 23 13-0025)*		
		Note: Natural or LP Gas. Model CTH3, (VANTAGE® Modulating Series) manufactured by Roberts Gordon LLC. Complete heater includes high efficiency fully modulating burner with simultaneous fuel and combustion air modulation for ensured efficiency and proper combustion, heat treated aluminized steel tubing, continuous overlapping reflectors, reflector end caps, 36" flexible gas line and gas shut off, tube clamp, 'S' hooks for each hanger for installation. Exclude beam clamps, hanger chain/rod, and air intake/exhaust piping. For 'U' tube installation or other non-standard installation, use above for fittings and parts. Excludes shipping.		
23 55 23 13-0112	EA	CTH3-80, 20 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-20A)	2,397.93	464.01
23 55 23 13-0113	EA	CTH3-80, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-30A)	2,623.73	464.01
23 55 23 13-0114	EA	CTH3-115, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-30A)	2,598.22	464.01
23 55 23 13-0115	EA	CTH3-115, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-40A)	2,899.77	554.51
23 55 23 13-0116	EA	CTH3-150, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-40A)	2,890.94	554.51
23 55 23 13-0117	EA	CTH3-150, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-50A)	3,241.59	645.02
23 55 23 13-0118	EA	CTH3-200, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-50A)	3,241.59	645.02
23 55 23 13-0119	EA	CTH3-200, 60 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-60A)	3,508.94	718.96
23 55 23 13-0120	EA	U Tube Package For Even Length Heaters (20, 40 Or 60 FT) (CORAYVAC® 03011000)	202.19	25.49
23 55 23 13-0121	EA	U Tube Package For Odd Length Heaters (30 Or 50 FT) (CORAYVAC® 03011002)	272.87	38.24
23 55 23 13-0122	EA	Elbow Package, Aluminized Steel (CORAYVAC® 02718702)	125.63	25.49
23 55 23 13-0123	EA	Zone Sensor For CTH3 Systems (CORAYVAC® 10081530)	96.19	12.75

23 55 33 Fuel-Fired Unit Heaters *(23 55)*

23 55 33 13 Oil-Fired Unit Heaters *(23 55 33)*

23 55 33 13-0001 Oil Fired Unit Heater *(23 55 33 13)*

23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt *(23 55 33 13-0001)*

23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,967.61	352.38
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,398.91	387.62
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,871.30	422.85

23 55 33 16 Gas-Fired Unit Heaters *(23 55 33)*

23 55 33 16-0001 Gas Fired Unit Heaters *(23 55 33 16)*

23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt *(23 55 33 16-0001)*

23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,480.60	132.14
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,617.03	158.58
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,642.51	158.58
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,791.22	185.00
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,968.44	211.43
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,113.12	224.64
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,177.36	224.64
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,122.31	224.64
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,531.06	237.86
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,781.87	237.86
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,989.85	237.86
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,579.08	264.29
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,050.11	264.29
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,343.52	290.72

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	439.79	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	592.75	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI	12,871.01	1,223.75
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI	17,317.05	1,300.24
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI	23,353.45	1,622.66

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,496.19	191.21
		For Bronze Head And Tube Sheet, Add	*558.56*	
		For Copper Nickel Tubes, Add	*124.12*	
		For Double Wall Tube Bundles, Add	*186.19*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,185.54	191.21
		For Bronze Head And Tube Sheet, Add	*845.82*	
		For Copper Nickel Tubes, Add	*187.96*	
		For Double Wall Tube Bundles, Add	*281.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,290.48	267.69
		For Bronze Head And Tube Sheet, Add	*1,308.63*	
		For Copper Nickel Tubes, Add	*290.81*	
		For Double Wall Tube Bundles, Add	*436.21*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,197.87	267.69
		For Bronze Head And Tube Sheet, Add	*1,994.86*	
		For Copper Nickel Tubes, Add	*443.30*	
		For Double Wall Tube Bundles, Add	*664.95*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,843.10	315.11
		For Bronze Head And Tube Sheet, Add	*2,649.17*	
		For Copper Nickel Tubes, Add	*588.70*	
		For Double Wall Tube Bundles, Add	*883.06*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,008.41	402.26
		For Bronze Head And Tube Sheet, Add	*3,479.03*	
		For Copper Nickel Tubes, Add	*773.12*	
		For Double Wall Tube Bundles, Add	*1,159.68*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,129.32	603.78
		For Bronze Head And Tube Sheet, Add	*4,261.01*	
		For Copper Nickel Tubes, Add	*946.89*	
		For Double Wall Tube Bundles, Add	*1,420.34*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,828.57	603.78
		For Bronze Head And Tube Sheet, Add	*6,638.89*	
		For Copper Nickel Tubes, Add	*1,475.31*	
		For Double Wall Tube Bundles, Add	*2,212.96*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	2,358.19	191.21
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	3,129.22	191.21
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	4,169.46	229.45
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	5,653.45	248.58
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	6,183.53	248.58
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	8,053.02	267.69
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	8,486.73	267.69
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	10,490.72	305.94
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	12,832.06	344.18
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	13,313.96	344.18
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	16,491.77	407.55
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	19,899.77	448.23
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	22,970.33	488.91

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,779.91	191.21
		For Copper Nickel Tubes, Add	*152.50*	
		For Double Wall Tube Bundles, Add	*228.74*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,469.25	191.21
		For Copper Nickel Tubes, Add	*216.33*	
		For Double Wall Tube Bundles, Add	*324.50*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,680.58	267.69
		For Copper Nickel Tubes, Add	*329.82*	
		For Double Wall Tube Bundles, Add	*494.72*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,262.09	267.69
		For Copper Nickel Tubes, Add	*475.22*	
		For Double Wall Tube Bundles, Add	*712.83*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,516.66	305.94
		For Copper Nickel Tubes, Add	*585.16*	
		For Double Wall Tube Bundles, Add	*877.74*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	8,678.14	305.94
		For Copper Nickel Tubes, Add	*787.30*	
		For Double Wall Tube Bundles, Add	*1,180.96*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	10,764.80	301.90
		For Copper Nickel Tubes, Add	*978.81*	
		For Double Wall Tube Bundles, Add	*1,468.22*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	13,385.65	301.90
		For Copper Nickel Tubes, Add	*1,219.97*	
		For Double Wall Tube Bundles, Add	*1,829.95*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	17,113.68	301.90
		For Copper Nickel Tubes, Add	*1,560.42*	
		For Double Wall Tube Bundles, Add	*2,340.63*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	2,012.96	152.97
		For Copper Nickel Tubes, Add	*170.70*	
		For Double Wall Tube Bundles, Add	*256.05*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	5,337.65	254.93
		For Copper Nickel Tubes, Add	*482.78*	
		For Double Wall Tube Bundles, Add	*724.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	7,190.40	332.55
		For Copper Nickel Tubes, Add	*652.65*	
		For Double Wall Tube Bundles, Add	*978.97*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	7,721.01	402.54
		For Copper Nickel Tubes, Add	*691.76*	
		For Double Wall Tube Bundles, Add	*1,037.64*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,320.70	479.48
		For Copper Nickel Tubes, Add	*834.63*	
		For Double Wall Tube Bundles, Add	*1,251.94*	

23 60 Central Cooling Equipment *(23)*

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	400.44	74.95
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	469.56	74.95
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	633.74	93.66
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	776.29	93.66
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	862.68	93.66
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	875.22	97.43
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	880.26	97.43
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	965.81	104.92
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,038.40	112.42
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,131.14	119.92
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,279.45	119.92
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,432.66	127.41
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	1,464.94	134.91
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,489.70	138.62
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	2,349.52	725.68
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	3,464.83	829.31
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	4,580.22	933.01
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	5,987.00	1,010.70
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	7,394.01	1,088.52
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	8,872.82	1,306.22
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	10,627.90	1,403.94
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	12,308.04	1,484.35
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	16,049.54	1,674.67
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	18,851.52	1,718.58
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	23,477.12	1,762.43
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	24,636.41	1,784.43
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	25,747.48	1,806.35
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	27,827.84	1,850.20
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	29,718.39	1,894.19
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	31,885.13	2,149.85
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	33,396.98	2,197.96
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	34,688.82	2,225.94
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	35,851.00	2,294.81
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	36,790.85	2,342.92
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	37,754.30	2,407.12
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	38,659.57	2,433.00
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	39,587.22	2,473.27
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	40,713.93	2,640.07
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	41,800.89	2,782.38

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,219.60	74.95
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,265.12	74.95
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,348.12	93.66
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,393.61	93.66
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,416.37	93.66
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,460.29	97.43
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,510.37	97.43
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,620.94	104.92
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,726.99	112.42
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,878.51	119.92
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,969.56	119.92
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,121.09	127.41
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,545.76	134.91
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,803.60	138.62

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,351.50	373.20
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,681.47	466.51
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,420.46	567.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,635.64	653.11
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,158.19	725.68
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,899.94	816.39
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,305.63	933.01
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	30,307.92	933.01
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,512.86	1,088.52
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	42,306.73	1,166.27
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	44,713.18	1,222.24
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,933.81	1,282.61
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	47,277.10	1,287.59
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	49,666.83	1,348.18
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	52,087.54	1,403.94

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,053.37	119.77
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,104.01	127.48
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,130.00	134.84
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,151.79	138.69
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,426.15	175.12
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	2,733.13	262.67
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	3,125.69	306.45
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	3,500.30	350.23
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	4,231.01	420.27
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	4,994.36	472.81
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	5,865.22	525.35
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	8,275.93	700.47
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	9,308.93	875.57
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	9,924.90	1,050.69

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	53,316.42	1,784.43
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	54,982.44	1,806.35
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	58,599.70	1,850.20
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	62,175.80	1,894.19
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	66,839.08	2,149.85
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	71,036.93	2,197.96
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	75,165.44	2,225.94
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	79,388.66	2,294.81
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	83,588.19	2,342.92
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	89,517.23	2,407.12
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	93,662.54	2,433.00
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	95,563.38	2,473.27
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	107,439.00	2,640.07
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	119,207.66	2,782.38

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	5,693.05	647.22
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	12,875.74	693.46
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	22,772.24	739.69
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	27,006.03	785.92
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	32,072.58	832.14
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,543.67	924.61
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	36,556.48	1,043.44
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	39,360.62	1,230.98
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	41,992.55	1,333.56
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	48,157.61	1,436.14
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	54,455.98	1,590.02
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	57,563.80	1,652.54
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	65,027.91	1,755.82
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	71,096.59	1,859.11

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	5,424.12	647.22
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	11,345.07	693.46
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	17,820.31	739.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	19,251.05	785.92
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	20,681.81	832.14
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	24,532.91	924.61
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,805.49	1,043.44
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	35,759.06	1,230.98
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	40,120.30	1,333.56
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	43,460.22	1,436.14
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	49,957.92	1,590.02
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	52,923.07	1,652.54
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	58,072.62	1,755.82
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,269.65	1,859.11

23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser *(23 62 13)*

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	31,516.67	5,980.98
		For Gas Fired Engine Driven, Add	*5,406.64*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	35,596.25	6,304.26
		For Gas Fired Engine Driven, Add	*6,174.09*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	41,332.34	6,860.45
		For Gas Fired Engine Driven, Add	*7,237.91*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	46,223.70	7,289.28
		For Gas Fired Engine Driven, Add	*8,151.90*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	57,812.08	8,043.33
		For Gas Fired Engine Driven, Add	*10,356.52*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	63,798.50	8,330.56
		For Gas Fired Engine Driven, Add	*11,510.74*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	69,334.56	8,971.38
		For Gas Fired Engine Driven, Add	*12,521.87*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	84,344.76	9,599.07
		For Gas Fired Engine Driven, Add	*15,411.83*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	85,343.24	9,785.53
		For Gas Fired Engine Driven, Add	*15,601.55*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	86,879.82	10,211.02
		For Gas Fired Engine Driven, Add	*15,845.08*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	96,435.82	10,675.18
		For Gas Fired Engine Driven, Add	*17,686.69*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	106,729.84	11,183.54
		For Gas Fired Engine Driven, Add	*19,669.28*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	118,371.02	11,742.67
		For Gas Fired Engine Driven, Add	*21,913.68*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	128,012.48	12,360.73
		For Gas Fired Engine Driven, Add	*23,749.32*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	141,297.33	13,047.41
		For Gas Fired Engine Driven, Add	*26,303.33*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,750.78	489.81
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,203.14	715.33
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,242.98	775.24
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,218.61	930.28
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	11,046.82	1,094.50
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	23,377.90	1,641.46
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	29,007.76	1,981.10
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	40,054.28	2,167.64

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	3,989.26	489.81
		For >10 To 25, Deduct	*-97.42*	
		For >25 To 50, Deduct	*-162.37*	
		For >50, Deduct	*-259.79*	
		For Low Ambient Protection, 0 Degree F, Add	*607.63*	
		For Winter Start Control, Add	*204.08*	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,777.85	581.43
		For >10 To 25, Deduct	*-116.91*	
		For >25 To 50, Deduct	*-194.84*	
		For >50, Deduct	*-311.75*	
		For Low Ambient Protection, 0 Degree F, Add	*531.99*	
		For Winter Start Control, Add	*166.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,210.36	715.33
		For >10 To 25, Deduct	*-153.78*	
		For >25 To 50, Deduct	*-256.31*	
		For >50, Deduct	*-410.09*	
		For Low Ambient Protection, 0 Degree F, Add	*629.89*	
		For Winter Start Control, Add	*210.95*	
23 63 13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,679.10	744.23
		For >10 To 25, Deduct	*-196.54*	
		For >25 To 50, Deduct	*-327.57*	
		For >50, Deduct	*-524.12*	
		For Low Ambient Protection, 0 Degree F, Add	*740.51*	
		For Winter Start Control, Add	*243.79*	
23 63 13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,151.46	775.24
		For >10 To 25, Deduct	*-239.31*	
		For >25 To 50, Deduct	*-398.84*	
		For >50, Deduct	*-638.15*	
		For Low Ambient Protection, 0 Degree F, Add	*772.26*	
		For Winter Start Control, Add	*197.23*	
23 63 13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,792.50	930.28
		For >10 To 25, Deduct	*-311.49*	
		For >25 To 50, Deduct	*-519.15*	
		For >50, Deduct	*-830.64*	
		For Low Ambient Protection, 0 Degree F, Add	*975.36*	
		For Winter Start Control, Add	*244.78*	
23 63 13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	13,414.85	1,000.77
		For >10 To 25, Deduct	*-357.00*	
		For >25 To 50, Deduct	*-594.99*	
		For >50, Deduct	*-951.99*	
		For Low Ambient Protection, 0 Degree F, Add	*1,033.23*	
		For Winter Start Control, Add	*270.49*	
23 63 13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	15,383.46	1,092.38
		For >10 To 25, Deduct	*-411.92*	
		For >25 To 50, Deduct	*-686.53*	
		For >50, Deduct	*-1,098.45*	
		For Low Ambient Protection, 0 Degree F, Add	*1,099.74*	
		For Winter Start Control, Add	*302.59*	
23 63 13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,171.19	1,305.71
		For >10 To 25, Deduct	*-574.73*	
		For >25 To 50, Deduct	*-957.88*	
		For >50, Deduct	*-1,532.60*	
		For Low Ambient Protection, 0 Degree F, Add	*1,461.30*	
		For Winter Start Control, Add	*392.94*	
23 63 13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,710.11	1,641.46
		For >10 To 25, Deduct	*-695.36*	
		For >25 To 50, Deduct	*-1,158.93*	
		For >50, Deduct	*-1,854.29*	
		For Low Ambient Protection, 0 Degree F, Add	*1,560.02*	
		For Winter Start Control, Add	*369.04*	
23 63 13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	29,616.58	1,811.67
		For >10 To 25, Deduct	*-806.89*	
		For >25 To 50, Deduct	*-1,344.82*	
		For >50, Deduct	*-2,151.71*	
		For Low Ambient Protection, 0 Degree F, Add	*1,755.91*	
		For Winter Start Control, Add	*406.50*	
23 63 13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	38,362.60	1,981.10
		For >10 To 25, Deduct	*-1,059.22*	
		For >25 To 50, Deduct	*-1,765.37*	
		For >50, Deduct	*-2,824.59*	
		For Low Ambient Protection, 0 Degree F, Add	*2,176.10*	
		For Winter Start Control, Add	*482.06*	
23 63 13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	52,930.76	1,783.78
		For >10 To 25, Deduct	*-1,478.99*	
		For >25 To 50, Deduct	*-2,464.98*	
		For >50, Deduct	*-3,943.96*	
		For Low Ambient Protection, 0 Degree F, Add	*2,386.79*	
		For Winter Start Control, Add	*609.62*	
23 63 13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	65,215.28	1,844.24
		For >10 To 25, Deduct	*-1,843.83*	
		For >25 To 50, Deduct	*-3,073.05*	
		For >50, Deduct	*-4,916.88*	
		For Low Ambient Protection, 0 Degree F, Add	*2,782.41*	

23 63 13 00-0016 Air Cooled Condensing Units *(23 63 13)*

Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,543.57	221.77
		For >10 To 25, Deduct	*-36.33*	
		For >25 To 50, Deduct	*-60.55*	
		For >50, Deduct	*-96.87*	
		For 16 SEER, Add	*496.47*	
		For 18 SEER, Add	*1,041.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,657.68	246.54
		For >10 To 25, Deduct	*-38.64*	
		For >25 To 50, Deduct	*-64.40*	
		For >50, Deduct	*-103.04*	
		For 16 SEER, Add	*528.10*	
		For 18 SEER, Add	*1,107.73*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,756.11	271.19
		For >10 To 25, Deduct	*-40.49*	
		For >25 To 50, Deduct	*-67.48*	
		For >50, Deduct	*-107.96*	
		For 16 SEER, Add	*553.31*	
		For 18 SEER, Add	*1,160.60*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,021.92	295.69
		For >10 To 25, Deduct	*-47.35*	
		For >25 To 50, Deduct	*-78.92*	
		For >50, Deduct	*-126.27*	
		For 16 SEER, Add	*647.13*	
		For 18 SEER, Add	*1,357.40*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,138.65	320.50
		For >10 To 25, Deduct	*-49.74*	
		For >25 To 50, Deduct	*-82.91*	
		For >50, Deduct	*-132.65*	
		For 16 SEER, Add	*679.84*	
		For 18 SEER, Add	*1,426.00*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,387.45	345.16
		For >10 To 25, Deduct	*-56.10*	
		For >25 To 50, Deduct	*-93.50*	
		For >50, Deduct	*-149.60*	
		For 16 SEER, Add	*766.69*	
		For 18 SEER, Add	*1,608.18*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,700.93	369.62
		For >10 To 25, Deduct	*-64.40*	
		For >25 To 50, Deduct	*-107.33*	
		For >50, Deduct	*-171.72*	
		For 15 SEER, Add	*515.16*	
		For 16 SEER, Add	*880.07*	
		For 18 SEER, Add	*1,845.99*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	228.10
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit	855.38
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit	1,480.60

23 63 23 Water-Cooled Refrigerant Condensers *(23 63)*

23 63 23 00-0001 Water Cooled Condensers *(23 63 23)*

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type	5,918.27	275.28
		For Saddle Legs, Add	*437.33*	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type	7,696.76	369.84
		For Saddle Legs, Add	*567.34*	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type	10,066.98	462.30
		For Saddle Legs, Add	*744.64*	
		For Dual Compressor, Add	*468.33*	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type	10,585.40	562.47
		For Saddle Legs, Add	*773.75*	
		For Dual Compressor, Add	*486.63*	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type	12,655.95	719.37
		For Saddle Legs, Add	*919.52*	
		For Dual Compressor, Add	*578.32*	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type	14,454.71	809.03
		For Saddle Legs, Add	*1,051.70*	
		For Dual Compressor, Add	*661.45*	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type	17,576.19	924.61
		For Saddle Legs, Add	*1,285.93*	
		For Dual Compressor, Add	*808.76*	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type	21,683.51	1,078.71
		For Saddle Legs, Add	*1,593.90*	
		For Dual Compressor, Add	*1,002.46*	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type	23,877.89	1,391.81
		For Saddle Legs, Add	*1,730.71*	
		For Dual Compressor, Add	*1,088.49*	
23 63 23 00-0011	EA	150 Ton Water Cooled Condenser, Shell And Tube Type	34,449.31	1,659.40
		For Saddle Legs, Add	*2,538.82*	
		For Dual Compressor, Add	*1,596.74*	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	102,226.06	4,774.24
		For Two Stage Unit, Add	*68,517.29*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	129,973.85	5,693.45
		For Two Stage Unit, Add	*87,323.47*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	165,250.02	5,845.24
		For Two Stage Unit, Add	*111,919.23*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	183,302.54	5,956.43
		For Two Stage Unit, Add	*124,484.56*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	205,229.42	6,105.72
		For Two Stage Unit, Add	*139,737.43*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	232,023.15	6,465.96
		For Two Stage Unit, Add	*158,261.59*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	248,956.51	6,622.22
		For Two Stage Unit, Add	*170,014.52*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	297,055.16	6,892.95
		For Two Stage Unit, Add	*203,509.63*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	333,125.50	7,093.73
		For Two Stage Unit, Add	*228,629.87*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	138,403.75	4,464.29
		For 208/230 Volt Motor, Add	*5,249.30*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	151,452.18	4,577.36
		For 208/230 Volt Motor, Add	*5,763.88*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	167,235.02	4,693.71
		For 208/230 Volt Motor, Add	*6,387.81*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	182,599.26	4,881.89
		For 208/230 Volt Motor, Add	*6,990.29*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	197,567.78	5,157.54
		For 208/230 Volt Motor, Add	*7,571.32*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	211,987.83	5,425.70
		For 208/230 Volt Motor, Add	*8,130.90*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	225,917.24	5,723.18
		For 208/230 Volt Motor, Add	*8,668.96*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	239,287.44	6,005.41
		For 208/230 Volt Motor, Add	*9,185.63*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	252,079.84	6,262.76
		For 208/230 Volt Motor, Add	*9,680.79*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	264,248.95	6,465.96
		For 208/230 Volt Motor, Add	*10,154.50*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	276,069.86	6,786.30
		For 208/230 Volt Motor, Add	*10,606.75*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	287,260.59	7,048.10
		For 208/230 Volt Motor, Add	*11,037.56*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	297,909.54	7,306.55
		For 208/230 Volt Motor, Add	*11,446.91*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	307,928.64	7,506.70
		For 208/230 Volt Motor, Add	*11,834.81*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	326,140.90	7,772.90
		For 208/230 Volt Motor, Add	*12,546.20*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	342,051.83	7,941.90
		For 208/230 Volt Motor, Add	*13,171.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	356,175.22	8,334.47
		For 208/230 Volt Motor, Add	*13,711.49*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	368,162.93	8,732.97
		For 208/230 Volt Motor, Add	*14,165.39*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	378,072.95	9,171.38
		For 208/230 Volt Motor, Add	*14,533.62*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air Cooled Scroll Water Chiller	19,196.43	1,114.24
23 64 23 13-0003	EA	15 Ton Packaged Air Cooled Scroll Water Chiller	28,176.80	1,128.53
23 64 23 13-0004	EA	18 Ton Packaged Air Cooled Scroll Water Chiller	30,754.50	1,207.10
23 64 23 13-0005	EA	22 Ton Packaged Air Cooled Scroll Water Chiller	33,840.26	1,292.81
23 64 23 13-0006	EA	25 Ton Packaged Air Cooled Scroll Water Chiller	34,382.96	1,378.53
23 64 23 13-0007	EA	30 Ton Packaged Air Cooled Scroll Water Chiller	36,276.30	1,478.52
23 64 23 13-0008	EA	40 Ton Packaged Air Cooled Scroll Water Chiller	41,492.63	1,599.94
23 64 23 13-0009	EA	45 Ton Packaged Air Cooled Scroll Water Chiller	44,559.01	1,735.65
23 64 23 13-0010	EA	50 Ton Packaged Air Cooled Scroll Water Chiller	47,059.42	1,785.65
23 64 23 13-0011	EA	55 Ton Packaged Air Cooled Scroll Water Chiller	49,150.97	1,864.22
23 64 23 13-0012	EA	60 Ton Packaged Air Cooled Scroll Water Chiller	50,801.56	1,928.50
23 64 23 13-0013	EA	80 Ton Packaged Air Cooled Scroll Water Chiller	63,089.87	2,378.48
23 64 23 13-0014	EA	90 Ton Packaged Air Cooled Scroll Water Chiller	64,245.37	2,385.62
23 64 23 13-0015	EA	100 Ton Packaged Air Cooled Scroll Water Chiller	67,996.50	2,392.77
23 64 23 13-0016	EA	110 Ton Packaged Air Cooled Scroll Water Chiller	71,649.10	2,399.91
23 64 23 13-0017	EA	120 Ton Packaged Air Cooled Scroll Water Chiller	75,347.10	2,407.05
23 64 23 13-0018	EA	130 Ton Packaged Air Cooled Scroll Water Chiller	79,234.42	2,414.19
23 64 23 13-0019	EA	70 Ton Packaged Air Cooled Scroll Water Chiller	58,617.62	2,171.35

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,979.28	1,441.56
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	46,216.27	1,485.11
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	51,292.72	1,630.35
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	63,000.91	2,082.64
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	69,721.50	2,282.36
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	73,113.65	2,521.72

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	94,704.65	2,735.61
		For Aluminum Fins Instead Of Copper, Deduct	*-1,359.07*	
		For 208/230 Volt Motor, Add	*3,624.19*	
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	101,763.58	2,971.32
		For Aluminum Fins Instead Of Copper, Deduct	*-1,459.71*	
		For 208/230 Volt Motor, Add	*3,892.55*	
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	107,061.12	3,099.89
		For Aluminum Fins Instead Of Copper, Deduct	*-1,536.17*	
		For 208/230 Volt Motor, Add	*4,096.45*	
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller	110,937.73	3,335.59
		For Aluminum Fins Instead Of Copper, Deduct	*-1,589.07*	
		For 208/230 Volt Motor, Add	*4,237.52*	
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller	119,116.18	3,499.87
		For Aluminum Fins Instead Of Copper, Deduct	*-1,708.10*	
		For 208/230 Volt Motor, Add	*4,554.94*	
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller	126,678.16	3,571.30
		For Aluminum Fins Instead Of Copper, Deduct	*-1,819.82*	
		For 208/230 Volt Motor, Add	*4,852.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller	133,776.15	3,692.72
		For Aluminum Fins Instead Of Copper, Deduct	*-1,923.61*	
		For 208/230 Volt Motor, Add	*5,129.63*	
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller	138,079.33	3,771.29
		For Aluminum Fins Instead Of Copper, Deduct	*-1,986.34*	
		For 208/230 Volt Motor, Add	*5,296.90*	
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller	145,891.70	3,849.85
		For Aluminum Fins Instead Of Copper, Deduct	*-2,101.70*	
		For 208/230 Volt Motor, Add	*5,604.53*	
23 64 26 13-0011	EA	170 Ton Packaged Air Cooled Rotary-Screw Water Chiller	152,318.52	3,971.29
		For Aluminum Fins Instead Of Copper, Deduct	*-2,195.42*	
		For 208/230 Volt Motor, Add	*5,854.46*	
23 64 26 13-0012	EA	180 Ton Packaged Air Cooled Rotary-Screw Water Chiller	160,659.87	4,128.42
		For Aluminum Fins Instead Of Copper, Deduct	*-2,317.01*	
		For 208/230 Volt Motor, Add	*6,178.69*	
23 64 26 13-0013	EA	200 Ton Packaged Air Cooled Rotary-Screw Water Chiller	168,008.77	4,214.13
		For Aluminum Fins Instead Of Copper, Deduct	*-2,425.42*	
		For 208/230 Volt Motor, Add	*6,467.79*	
23 64 26 13-0014	EA	215 Ton Packaged Air Cooled Rotary-Screw Water Chiller	180,250.15	4,285.56
		For Aluminum Fins Instead Of Copper, Deduct	*-2,607.33*	
		For 208/230 Volt Motor, Add	*6,952.87*	
23 64 26 13-0015	EA	225 Ton Packaged Air Cooled Rotary-Screw Water Chiller	188,392.03	4,328.41
		For Aluminum Fins Instead Of Copper, Deduct	*-2,728.60*	
		For 208/230 Volt Motor, Add	*7,276.26*	
23 64 26 13-0016	EA	240 Ton Packaged Air Cooled Rotary-Screw Water Chiller	196,533.92	4,364.12
		For Aluminum Fins Instead Of Copper, Deduct	*-2,849.87*	
		For 208/230 Volt Motor, Add	*7,599.65*	
23 64 26 13-0017	EA	260 Ton Packaged Air Cooled Rotary-Screw Water Chiller	220,916.68	4,449.84
		For Aluminum Fins Instead Of Copper, Deduct	*-3,213.68*	
		For 208/230 Volt Motor, Add	*8,569.82*	
23 64 26 13-0018	EA	280 Ton Packaged Air Cooled Rotary-Screw Water Chiller	233,165.21	4,535.55
		For Aluminum Fins Instead Of Copper, Deduct	*-3,395.59*	
		For 208/230 Volt Motor, Add	*9,054.90*	
23 64 26 13-0019	EA	300 Ton Packaged Air Cooled Rotary-Screw Water Chiller	249,448.97	4,606.98
		For Aluminum Fins Instead Of Copper, Deduct	*-3,638.13*	
		For 208/230 Volt Motor, Add	*9,701.68*	
23 64 26 13-0020	EA	325 Ton Packaged Air Cooled Rotary-Screw Water Chiller	273,817.46	4,685.54
		For Aluminum Fins Instead Of Copper, Deduct	*-4,001.94*	
		For 208/230 Volt Motor, Add	*10,671.85*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	77,805.22	3,521.05
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	84,653.87	3,657.97
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,588.66	3,755.78
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	95,686.15	3,914.23
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	100,803.05	4,021.81
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	107,047.02	4,134.72
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	109,789.82	4,250.29
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	119,114.69	4,365.31
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	128,182.88	4,473.37
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	132,509.60	4,697.07
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	167,013.57	4,923.59
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	169,234.19	5,028.98
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	184,296.57	5,139.00
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	195,900.63	5,374.20
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	206,884.66	5,591.73
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	219,706.44	5,813.24
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	241,173.21	6,328.48
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	258,562.05	6,960.70
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	271,886.98	7,657.09

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	14,794.70	1,185.67
		For Stainless Steel Cooling Tower, Add	*7,809.72*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,445.39	1,449.95
		For Stainless Steel Cooling Tower, Add	*10,968.71*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	25,597.13	1,821.36
		For Stainless Steel Cooling Tower, Add	*13,601.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	29,540.50	2,035.63
		For Stainless Steel Cooling Tower, Add	*15,761.51*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	33,771.17	2,292.77
		For Stainless Steel Cooling Tower, Add	*18,051.36*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	37,974.72	2,571.33
		For Stainless Steel Cooling Tower, Add	*20,307.78*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	42,624.69	2,864.18
		For Stainless Steel Cooling Tower, Add	*22,814.92*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	46,553.22	3,228.45
		For Stainless Steel Cooling Tower, Add	*24,820.62*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	50,697.48	3,585.58
		For Stainless Steel Cooling Tower, Add	*26,960.04*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	55,424.56	4,242.70
		For Stainless Steel Cooling Tower, Add	*29,166.32*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	60,206.66	4,699.83
		For Stainless Steel Cooling Tower, Add	*31,589.88*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	63,435.22	4,999.81
		For Stainless Steel Cooling Tower, Add	*33,261.31*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	67,215.54	5,292.66
		For Stainless Steel Cooling Tower, Add	*35,225.23*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	70,903.01	5,549.80
		For Stainless Steel Cooling Tower, Add	*37,189.15*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	75,140.48	5,806.93
		For Stainless Steel Cooling Tower, Add	*39,487.35*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	79,617.23	6,121.20
		For Stainless Steel Cooling Tower, Add	*41,869.13*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	84,713.62	6,435.47
		For Stainless Steel Cooling Tower, Add	*44,626.97*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	89,676.09	6,706.90
		For Stainless Steel Cooling Tower, Add	*47,343.04*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	94,645.70	6,978.31
		For Stainless Steel Cooling Tower, Add	*50,059.10*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	7,488.69	799.97
		For Stainless Steel Support Structure, Add	*1,886.62*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	8,904.92	864.26
		For Stainless Steel Support Structure, Add	*2,281.49*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,670.81	971.39
		For Stainless Steel Support Structure, Add	*2,764.12*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	11,844.54	1,071.38
		For Stainless Steel Support Structure, Add	*3,071.24*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,063.45	1,185.67
		For Stainless Steel Support Structure, Add	*3,685.49*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,399.58	1,278.52
		For Stainless Steel Support Structure, Add	*4,345.61*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	18,836.65	1,449.95
		For Stainless Steel Support Structure, Add	*5,001.73*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	23,403.38	1,821.36
		For Stainless Steel Support Structure, Add	*6,142.48*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	25,501.23	2,035.63
		For Stainless Steel Support Structure, Add	*6,668.98*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	39,255.05	2,292.77
		For Stainless Steel Support Structure, Add	*10,670.84*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	47,468.34	2,864.18
		For Stainless Steel Support Structure, Add	*12,860.55*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	61,033.74	4,699.83
		For Stainless Steel Support Structure, Add	*16,043.06*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	23,403.38	1,821.36
		For Stainless Steel Support Structure, Add	*6,142.48*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,229.22	2,292.77
		For Stainless Steel Support Structure, Add	*8,263.10*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	39,699.70	2,864.18
		For Stainless Steel Support Structure, Add	*10,529.96*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	47,034.28	3,585.58
		For Stainless Steel Support Structure, Add	*12,381.06*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	55,728.64	4,699.83
		For Stainless Steel Support Structure, Add	*14,451.53*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	62,096.81	5,292.66
		For Stainless Steel Support Structure, Add	*16,076.99*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	69,290.51	5,806.93
		For Stainless Steel Support Structure, Add	*17,988.68*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	78,585.08	6,435.47
		For Stainless Steel Support Structure, Add	*20,474.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	88,726.08	6,978.31
		For Stainless Steel Support Structure, Add	*23,253.66*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	95,109.97	7,356.87
		For Stainless Steel Support Structure, Add	*25,029.55*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	102,018.96	7,556.86
		For Stainless Steel Support Structure, Add	*26,962.97*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	116,093.79	7,814.00
		For Stainless Steel Support Structure, Add	*31,151.13*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	127,309.79	8,613.97
		For Stainless Steel Support Structure, Add	*34,138.80*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	140,659.69	9,485.37
		For Stainless Steel Support Structure, Add	*37,732.36*	

23 65 14 13-0029 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 13)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0030	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,071.85	742.83
23 65 14 13-0031	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,233.68	778.54
23 65 14 13-0032	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,775.21	799.97
23 65 14 13-0033	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,281.52	814.26
23 65 14 13-0034	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,631.07	885.69
23 65 14 13-0035	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,957.07	928.53
23 65 14 13-0036	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,743.68	971.39
23 65 14 13-0037	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,783.50	1,071.38
23 65 14 13-0038	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,687.71	1,185.67
23 65 14 13-0039	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,744.65	1,278.52
23 65 14 13-0040	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,255.55	1,378.53
23 65 14 13-0041	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,242.65	1,571.37
23 65 14 13-0042	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	14,810.70	1,821.36
23 65 14 13-0043	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	18,345.95	2,035.63
23 65 14 13-0044	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,602.67	2,292.77
23 65 14 13-0045	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	25,054.95	2,571.33
23 65 14 13-0046	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	27,944.59	2,864.18
23 65 14 13-0047	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	30,875.22	3,228.45
23 65 14 13-0048	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	33,673.10	3,585.58
23 65 14 13-0049	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	40,270.92	4,699.83
23 65 14 13-0050	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	45,774.69	5,292.66
23 65 14 13-0051	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	50,888.17	5,806.93
23 65 14 13-0052	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	61,881.41	6,835.46
23 65 14 13-0053	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	70,766.00	7,556.86
23 65 14 13-0054	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	75,327.92	5,806.93
23 65 14 13-0055	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	85,913.94	8,613.97
23 65 14 13-0056	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	98,559.54	7,178.31

23 65 14 13-0057 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 13)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 13-0058 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 13-0057)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 14 13-0059	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	27,501.00	1,185.67
23 65 14 13-0060	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	39,160.43	1,449.95
23 65 14 13-0061	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	46,077.57	1,821.36
23 65 14 13-0062	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	52,244.63	2,035.63
23 65 14 13-0063	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	57,293.28	2,292.77
23 65 14 13-0064	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	68,666.14	2,864.18
23 65 14 13-0065	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	80,742.56	3,585.58
23 65 14 13-0066	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	95,570.79	4,699.83
23 65 14 13-0067	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	104,579.99	5,292.66
23 65 14 13-0068	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	118,630.76	5,806.93
23 65 14 13-0069	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	137,436.85	6,978.31

23 65 14 13-0070 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 13-0057)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 14 13-0071	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	48,020.07	1,821.36
23 65 14 13-0072	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	51,942.24	2,035.63
23 65 14 13-0073	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	55,939.12	2,292.77
23 65 14 13-0074	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	66,105.72	2,864.18
23 65 14 13-0075	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	72,726.06	3,585.58

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	6,322.20	799.97
		For Polymer Coating Over Galvanized Components, Add	*768.34*	
		For Stainless Steel Support Structure, Add	*1,536.67*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	6,842.12	814.26
		For Polymer Coating Over Galvanized Components, Add	*844.18*	
		For Stainless Steel Support Structure, Add	*1,688.36*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,440.03	885.69
		For Polymer Coating Over Galvanized Components, Add	*916.73*	
		For Stainless Steel Support Structure, Add	*1,833.45*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,735.41	928.53
		For Polymer Coating Over Galvanized Components, Add	*1,101.39*	
		For Stainless Steel Support Structure, Add	*2,202.78*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,920.87	971.39
		For Polymer Coating Over Galvanized Components, Add	*1,269.57*	
		For Stainless Steel Support Structure, Add	*2,539.13*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,076.65	1,021.39
		For Polymer Coating Over Galvanized Components, Add	*1,431.15*	
		For Stainless Steel Support Structure, Add	*2,862.30*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,137.34	1,071.38
		For Polymer Coating Over Galvanized Components, Add	*1,579.54*	
		For Stainless Steel Support Structure, Add	*3,159.08*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,315.12	1,128.53
		For Polymer Coating Over Galvanized Components, Add	*1,744.42*	
		For Stainless Steel Support Structure, Add	*3,488.84*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,463.18	1,185.67
		For Polymer Coating Over Galvanized Components, Add	*1,902.70*	
		For Stainless Steel Support Structure, Add	*3,805.40*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,731.32	1,278.52
		For Polymer Coating Over Galvanized Components, Add	*2,222.57*	
		For Stainless Steel Support Structure, Add	*4,445.13*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,189.63	1,378.53
		For Polymer Coating Over Galvanized Components, Add	*2,568.81*	
		For Stainless Steel Support Structure, Add	*5,137.63*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,322.87	1,449.95
		For Polymer Coating Over Galvanized Components, Add	*2,723.80*	
		For Stainless Steel Support Structure, Add	*5,447.60*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	21,541.82	1,571.37
		For Polymer Coating Over Galvanized Components, Add	*2,878.79*	
		For Stainless Steel Support Structure, Add	*5,757.57*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,431.00	1,692.80
		For Polymer Coating Over Galvanized Components, Add	*2,984.31*	
		For Stainless Steel Support Structure, Add	*5,968.61*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,076.92	1,821.36
		For Polymer Coating Over Galvanized Components, Add	*3,172.27*	
		For Stainless Steel Support Structure, Add	*6,344.54*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,013.34	2,035.63
		For Polymer Coating Over Galvanized Components, Add	*3,261.30*	
		For Stainless Steel Support Structure, Add	*6,522.61*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,076.92	2,292.77
		For Polymer Coating Over Galvanized Components, Add	*3,808.70*	
		For Stainless Steel Support Structure, Add	*7,617.41*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,113.86	2,571.33
		For Polymer Coating Over Galvanized Components, Add	*4,197.82*	
		For Stainless Steel Support Structure, Add	*8,395.63*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,750.42	2,864.18
		For Polymer Coating Over Galvanized Components, Add	*4,372.59*	
		For Stainless Steel Support Structure, Add	*8,745.18*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	39,040.65	3,228.45
		For Polymer Coating Over Galvanized Components, Add	*5,078.27*	
		For Stainless Steel Support Structure, Add	*10,156.54*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,784.88	3,585.58
		For Polymer Coating Over Galvanized Components, Add	*5,553.12*	
		For Stainless Steel Support Structure, Add	*11,106.24*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	45,615.53	4,242.70
		For Polymer Coating Over Galvanized Components, Add	*5,820.23*	
		For Stainless Steel Support Structure, Add	*11,640.45*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	49,172.29	4,699.83
		For Polymer Coating Over Galvanized Components, Add	*6,242.31*	
		For Stainless Steel Support Structure, Add	*12,484.63*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	56,233.77	5,292.66
		For Polymer Coating Over Galvanized Components, Add	*7,159.04*	
		For Stainless Steel Support Structure, Add	*14,318.08*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	62,001.53	5,806.93
		For Polymer Coating Over Galvanized Components, Add	*7,901.00*	
		For Stainless Steel Support Structure, Add	*15,801.99*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	68,526.58	6,435.47
		For Polymer Coating Over Galvanized Components, Add	*8,728.69*	
		For Stainless Steel Support Structure, Add	*17,457.38*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	74,681.25	6,978.31
		For Polymer Coating Over Galvanized Components, Add	*9,520.11*	
		For Stainless Steel Support Structure, Add	*19,040.21*	

23 65 14 14-0029 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 14 14-0030	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	65,706.34	1,821.36
		For Induced Draft Counter Flow Type, Add	*3,138.89*	
23 65 14 14-0031	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	74,483.12	2,021.36
		For Induced Draft Counter Flow Type, Add	*3,560.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0032	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	81,378.95	2,292.77
		For Induced Draft Counter Flow Type, Add	*3,884.67*	
23 65 14 14-0033	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	90,362.30	2,864.18
		For Induced Draft Counter Flow Type, Add	*4,288.12*	
23 65 14 14-0034	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	102,238.23	3,585.58
		For Induced Draft Counter Flow Type, Add	*4,823.71*	
23 65 14 14-0035	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	117,188.07	4,699.83
		For Induced Draft Counter Flow Type, Add	*5,481.56*	
23 65 14 14-0036	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	127,617.18	5,292.66
		For Induced Draft Counter Flow Type, Add	*5,955.52*	
23 65 14 14-0037	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	137,917.71	5,806.93
		For Induced Draft Counter Flow Type, Add	*6,429.47*	
23 65 14 14-0038	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	159,093.58	6,978.31
		For Induced Draft Counter Flow Type, Add	*7,393.99*	
23 65 14 14-0039	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	179,808.37	7,556.86
		For Induced Draft Counter Flow Type, Add	*8,383.30*	
23 65 14 14-0040	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	222,983.67	8,213.98
		For Induced Draft Counter Flow Type, Add	*10,470.64*	
23 65 14 14-0041	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	289,670.24	10,485.33
		For Induced Draft Counter Flow Type, Add	*13,661.04*	

23 65 43 Cooling Tower Basins And Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	817.07	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	925.21	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	906.20	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,063.39	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,154.85	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,281.34	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,407.85	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,420.54	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,568.73	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,790.02	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,012.98	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,157.83	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	17,243.04	139.95
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	24,061.09	185.55
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	27,548.21	224.43
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	32,619.71	280.54
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	37,957.85	372.93
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	49,054.97	561.14
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	55,395.50	632.03
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	76,068.74	839.51
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	98,410.49	975.96

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 13 00-0001		**Enthalpy Recovery Wheel** *(23 72 13)*		
23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	6,201.72	509.77
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	6,894.23	611.88
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	8,626.69	764.85
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	10,083.98	873.83
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	11,147.50	917.82
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	13,528.89	1,019.92
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	17,912.33	1,070.78
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	22,272.19	1,147.27
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	26,955.49	1,310.94
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	30,252.38	1,682.67
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	40,473.27	1,912.12
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	48,143.69	2,294.54
23 72 16		**Heat-Pipe Air-To-Air Energy-Recovery Equipment** *(23 72)*		
23 72 16 00-0001		Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*		
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	11,069.57	382.42
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	17,386.10	509.92
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	25,776.08	764.85

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units *(23 73 13)*

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,897.06	390.66
		For Flat Filter Box And Throwaway Filters, Add	*161.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*306.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*457.50*	
		For Manual Roll Filter, Add	*792.24*	
		For Automatic Roll Filter, Add	*859.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*390.55*	
		For Electric Heating Coil, Add	*658.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*658.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*591.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*524.45*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*429.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*792.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*725.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*524.45*	
		For Variable Air Volume, Add	*187.46*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,030.66*	
		For 2 Coils, Independent Circuits, Add	*216.49*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,038.12	468.79
		For Flat Filter Box And Throwaway Filters, Add	*270.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*520.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*777.60*	
		For Manual Roll Filter, Add	*1,369.84*	
		For Automatic Roll Filter, Add	*1,488.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*659.15*	
		For Electric Heating Coil, Add	*1,132.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,132.94*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,014.50*	
		For Steam Heating Coil, Aluminum Fins, Add	*896.05*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*744.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,369.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,251.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*896.05*	
		For Variable Air Volume, Add	*331.65*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,108.42*	
		For 2 Coils, Independent Circuits, Add	*351.19*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,441.66	503.46
		For Flat Filter Box And Throwaway Filters, Add	*308.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*594.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*888.66*	
		For Manual Roll Filter, Add	*1,569.28*	
		For Automatic Roll Filter, Add	*1,705.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*752.54*	
		For Electric Heating Coil, Add	*1,297.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,297.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,160.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,024.79*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*852.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,569.28*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,433.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,024.79*	
		For Variable Air Volume, Add	*381.15*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,143.43*	
		For 2 Coils, Independent Circuits, Add	*398.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,890.74	541.00
		For Flat Filter Box And Throwaway Filters, Add	*350.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*677.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,012.63*	
		For Manual Roll Filter, Add	*1,792.07*	
		For Automatic Roll Filter, Add	*1,947.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*856.74*	
		For Electric Heating Coil, Add	*1,480.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,480.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,324.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,168.52*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*973.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,792.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,636.18*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,168.52*	
		For Variable Air Volume, Add	*436.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,181.08*	
		For 2 Coils, Independent Circuits, Add	*451.43*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,421.48	582.01
		For Flat Filter Box And Throwaway Filters, Add	*400.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*776.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,160.35*	
		For Manual Roll Filter, Add	*2,058.10*	
		For Automatic Roll Filter, Add	*2,237.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*980.80*	
		For Electric Heating Coil, Add	*1,699.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,699.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,519.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,339.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,118.82*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,058.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,878.55*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,339.90*	
		For Variable Air Volume, Add	*502.74*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,221.34*	
		For 2 Coils, Independent Circuits, Add	*513.97*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,041.25	625.47
		For Flat Filter Box And Throwaway Filters, Add	*459.45*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*892.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,333.68*	
		For Manual Roll Filter, Add	*2,370.61*	
		For Automatic Roll Filter, Add	*2,578.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,126.29*	
		For Electric Heating Coil, Add	*1,955.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,955.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,748.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,541.06*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,289.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,370.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,163.23*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,541.06*	
		For Variable Air Volume, Add	*580.69*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,265.45*	
		For 2 Coils, Independent Circuits, Add	*587.08*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,523.88	672.42
		For Flat Filter Box And Throwaway Filters, Add	*504.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*980.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,465.45*	
		For Manual Roll Filter, Add	*2,606.78*	
		For Automatic Roll Filter, Add	*2,835.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,237.18*	
		For Electric Heating Coil, Add	*2,150.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,150.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,921.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,693.72*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,417.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,606.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,378.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,693.72*	
		For Variable Air Volume, Add	*639.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,311.00*	
		For 2 Coils, Independent Circuits, Add	*643.69*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,045.72	724.67
		For Flat Filter Box And Throwaway Filters, Add	*552.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,074.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,606.71*	
		For Manual Roll Filter, Add	*2,859.39*	
		For Automatic Roll Filter, Add	*3,109.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,356.18*	
		For Electric Heating Coil, Add	*2,358.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,358.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,107.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,857.25*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,554.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,859.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,608.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,857.25*	
		For Variable Air Volume, Add	*701.50*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,319.26*	
		For 2 Coils, Independent Circuits, Add	*704.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,621.72	776.92
		For Flat Filter Box And Throwaway Filters, Add	*606.67*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,180.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,764.53*	
		For Manual Roll Filter, Add	*3,142.47*	
		For Automatic Roll Filter, Add	*3,418.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,488.94*	
		For Electric Heating Coil, Add	*2,591.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,591.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,315.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,040.11*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,709.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,142.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,866.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,040.11*	
		For Variable Air Volume, Add	*771.65*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,360.47*	
		For 2 Coils, Independent Circuits, Add	*772.41*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,150.16	835.11
		For Flat Filter Box And Throwaway Filters, Add	*655.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,274.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,906.45*	
		For Manual Roll Filter, Add	*3,395.74*	
		For Automatic Roll Filter, Add	*3,693.60*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,608.59*	
		For Electric Heating Coil, Add	*2,800.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,800.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,502.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,204.31*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,846.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,395.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,097.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,204.31*	
		For Variable Air Volume, Add	*834.00*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,406.14*	
		For 2 Coils, Independent Circuits, Add	*834.16*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,713.94	898.58
		For Flat Filter Box And Throwaway Filters, Add	*707.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,375.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,057.47*	
		For Manual Roll Filter, Add	*3,665.07*	
		For Automatic Roll Filter, Add	*3,986.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,735.95*	
		For Electric Heating Coil, Add	*3,022.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,022.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,700.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,378.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,993.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,665.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,343.55*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,378.99*	
		For Variable Air Volume, Add	*900.26*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,455.95*	
		For 2 Coils, Independent Circuits, Add	*900.00*	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,974.06	1,040.13
		For Flat Filter Box And Throwaway Filters, Add	*823.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,601.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,395.05*	
		For Manual Roll Filter, Add	*4,267.11*	
		For Automatic Roll Filter, Add	*4,641.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,020.64*	
		For Electric Heating Coil, Add	*3,518.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,518.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,143.87*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,769.46*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,320.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,267.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,892.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,769.46*	
		For Variable Air Volume, Add	*1,048.35*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,567.21*	
		For 2 Coils, Independent Circuits, Add	*1,047.17*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,391.70	1,117.77
		For Flat Filter Box And Throwaway Filters, Add	*859.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,670.69*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,498.06*	
		For Manual Roll Filter, Add	*4,446.66*	
		For Automatic Roll Filter, Add	*4,836.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,108.33*	
		For Electric Heating Coil, Add	*3,667.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,667.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,277.50*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,887.78*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,418.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,446.66*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,056.94*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,887.78*	
		For Variable Air Volume, Add	*1,091.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,628.50*	
		For 2 Coils, Independent Circuits, Add	*1,095.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,816.76	1,201.27
		For Flat Filter Box And Throwaway Filters, Add	*895.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,740.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,601.80*	
		For Manual Roll Filter, Add	*4,626.96*	
		For Automatic Roll Filter, Add	*5,032.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,196.77*	
		For Electric Heating Coil, Add	*3,816.90*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,816.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,411.87*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,006.84*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,516.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,626.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,221.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,006.84*	
		For Variable Air Volume, Add	*1,134.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,693.87*	
		For 2 Coils, Independent Circuits, Add	*1,143.69*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,750.57	1,386.84
		For Flat Filter Box And Throwaway Filters, Add	*975.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,892.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,828.80*	
		For Manual Roll Filter, Add	*5,020.99*	
		For Automatic Roll Filter, Add	*5,459.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,390.37*	
		For Electric Heating Coil, Add	*4,144.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,144.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,705.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,267.24*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,729.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,020.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,582.55*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,267.24*	
		For Variable Air Volume, Add	*1,227.62*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,732.74*	
		For 2 Coils, Independent Circuits, Add	*1,250.43*	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,750.57	1,386.84
		For Flat Filter Box And Throwaway Filters, Add	*975.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,892.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,828.80*	
		For Manual Roll Filter, Add	*5,020.99*	
		For Automatic Roll Filter, Add	*5,459.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,390.37*	
		For Electric Heating Coil, Add	*4,144.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,144.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,705.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,267.24*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,729.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,020.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,582.55*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,267.24*	
		For Variable Air Volume, Add	*1,227.62*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,732.74*	
		For 2 Coils, Independent Circuits, Add	*1,250.43*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,768.54	1,592.91
		For Flat Filter Box And Throwaway Filters, Add	*1,063.05*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,057.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,075.35*	
		For Manual Roll Filter, Add	*5,448.48*	
		For Automatic Roll Filter, Add	*5,923.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,600.73*	
		For Electric Heating Coil, Add	*4,499.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,499.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,024.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,549.98*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,961.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,448.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,973.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,549.98*	
		For Variable Air Volume, Add	*1,328.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,850.42*	
		For 2 Coils, Independent Circuits, Add	*1,366.70*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,351.62	1,728.18
		For Flat Filter Box And Throwaway Filters, Add	*1,111.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,149.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,211.61*	
		For Manual Roll Filter, Add	*5,682.16*	
		For Automatic Roll Filter, Add	*6,176.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,717.50*	
		For Electric Heating Coil, Add	*4,693.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,693.94*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,199.83*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,705.72*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,088.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,682.16*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,188.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,705.72*	
		For Variable Air Volume, Add	*1,383.51*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,927.76*	
		For 2 Coils, Independent Circuits, Add	*1,432.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,924.43	1,856.61
		For Flat Filter Box And Throwaway Filters, Add	*1,159.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,240.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,346.83*	
		For Manual Roll Filter, Add	*5,914.82*	
		For Automatic Roll Filter, Add	*6,428.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,833.23*	
		For Electric Heating Coil, Add	*4,887.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,887.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,374.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,860.43*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,214.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,914.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,401.22*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,860.43*	
		For Variable Air Volume, Add	*1,438.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,001.00*	
		For 2 Coils, Independent Circuits, Add	*1,497.88*	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,500.33	1,987.48
		For Flat Filter Box And Throwaway Filters, Add	*1,208.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,331.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,482.37*	
		For Manual Roll Filter, Add	*6,147.78*	
		For Automatic Roll Filter, Add	*6,680.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,949.28*	
		For Electric Heating Coil, Add	*5,081.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,081.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,548.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,015.45*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,340.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,147.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,614.70*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,015.45*	
		For Variable Air Volume, Add	*1,492.63*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,075.47*	
		For 2 Coils, Independent Circuits, Add	*1,563.27*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,163.38	2,139.34
		For Flat Filter Box And Throwaway Filters, Add	*1,263.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,435.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,637.75*	
		For Manual Roll Filter, Add	*6,414.52*	
		For Automatic Roll Filter, Add	*6,969.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,082.40*	
		For Electric Heating Coil, Add	*5,303.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,303.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,748.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,193.10*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,484.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,414.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,859.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,193.10*	
		For Variable Air Volume, Add	*1,554.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,162.53*	
		For 2 Coils, Independent Circuits, Add	*1,638.48*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,835.30	2,292.19
		For Flat Filter Box And Throwaway Filters, Add	*1,319.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,540.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,794.02*	
		For Manual Roll Filter, Add	*6,682.14*	
		For Automatic Roll Filter, Add	*7,259.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,216.40*	
		For Electric Heating Coil, Add	*5,526.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,526.89*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,949.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,371.65*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,629.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,682.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,104.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,371.65*	
		For Variable Air Volume, Add	*1,617.34*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,164.85*	
		For 2 Coils, Independent Circuits, Add	*1,714.58*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,525.56	2,468.40
		For Flat Filter Box And Throwaway Filters, Add	*1,376.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,646.51*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,952.13*	
		For Manual Roll Filter, Add	*6,951.59*	
		For Automatic Roll Filter, Add	*7,551.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,352.23*	
		For Electric Heating Coil, Add	*5,751.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,751.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,151.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,552.02*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,775.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,951.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,351.70*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,552.02*	
		For Variable Air Volume, Add	*1,679.70*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,238.31*	
		For 2 Coils, Independent Circuits, Add	*1,792.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,310.97	2,674.06
		For Flat Filter Box And Throwaway Filters, Add	*1,440.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,766.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,130.88*	
		For Manual Roll Filter, Add	*7,255.61*	
		For Automatic Roll Filter, Add	*7,880.56*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,505.94*	
		For Electric Heating Coil, Add	*6,005.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,005.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,380.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,755.83*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,940.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,255.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,630.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,755.83*	
		For Variable Air Volume, Add	*1,749.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,323.62*	
		For 2 Coils, Independent Circuits, Add	*1,881.08*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,079.55	2,855.02
		For Flat Filter Box And Throwaway Filters, Add	*1,503.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,885.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,307.95*	
		For Manual Roll Filter, Add	*7,557.95*	
		For Automatic Roll Filter, Add	*8,207.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,657.95*	
		For Electric Heating Coil, Add	*6,257.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,257.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,607.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,957.95*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,103.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,557.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,907.95*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,957.95*	
		For Variable Air Volume, Add	*1,820.00*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,403.87*	
		For 2 Coils, Independent Circuits, Add	*1,967.95*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,186.24	2,764.40
		For Flat Filter Box And Throwaway Filters, Add	*1,521.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,925.61*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,368.73*	
		For Manual Roll Filter, Add	*7,681.36*	
		For Automatic Roll Filter, Add	*8,343.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,706.20*	
		For Electric Heating Coil, Add	*6,356.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,356.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,693.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,031.26*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,171.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,681.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,018.84*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,031.26*	
		For Variable Air Volume, Add	*1,855.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,360.71*	
		For 2 Coils, Independent Circuits, Add	*1,983.63*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,881.62	3,067.02
		For Flat Filter Box And Throwaway Filters, Add	*1,569.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,006.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,488.37*	
		For Manual Roll Filter, Add	*7,863.64*	
		For Automatic Roll Filter, Add	*8,538.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,813.32*	
		For Electric Heating Coil, Add	*6,513.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,513.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,838.48*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,163.43*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,269.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,863.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,188.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,163.43*	
		For Variable Air Volume, Add	*1,890.15*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,494.17*	
		For 2 Coils, Independent Circuits, Add	*2,058.18*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,845.60	3,190.21
		For Flat Filter Box And Throwaway Filters, Add	*1,657.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,179.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,746.23*	
		For Manual Roll Filter, Add	*8,323.31*	
		For Automatic Roll Filter, Add	*9,038.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,030.81*	
		For Electric Heating Coil, Add	*6,892.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,892.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,177.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,461.65*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,519.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,323.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,607.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,461.65*	
		For Variable Air Volume, Add	*2,003.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,307.45*	
		For 2 Coils, Independent Circuits, Add	*2,170.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,853.17	3,313.76
		For Flat Filter Box And Throwaway Filters, Add	*1,748.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,354.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,008.44*	
		For Manual Roll Filter, Add	*8,787.35*	
		For Automatic Roll Filter, Add	*9,543.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,252.66*	
		For Electric Heating Coil, Add	*7,275.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,275.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,520.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,764.22*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,771.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,787.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,031.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,764.22*	
		For Variable Air Volume, Add	*2,116.19*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,347.51*	
		For 2 Coils, Independent Circuits, Add	*2,287.63*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,931.63	3,441.22
		For Flat Filter Box And Throwaway Filters, Add	*1,848.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,549.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,300.01*	
		For Manual Roll Filter, Add	*9,308.58*	
		For Automatic Roll Filter, Add	*10,110.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,498.30*	
		For Electric Heating Coil, Add	*7,705.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,705.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,903.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,101.73*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,055.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,308.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,506.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,101.73*	
		For Variable Air Volume, Add	*2,244.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,379.48*	
		For 2 Coils, Independent Circuits, Add	*2,413.85*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,049.02	3,568.81
		For Flat Filter Box And Throwaway Filters, Add	*1,950.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,747.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,595.48*	
		For Manual Roll Filter, Add	*9,833.70*	
		For Automatic Roll Filter, Add	*10,681.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,747.83*	
		For Electric Heating Coil, Add	*8,138.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,138.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,290.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,443.12*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,340.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,833.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,986.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,443.12*	
		For Variable Air Volume, Add	*2,373.40*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,419.23*	
		For 2 Coils, Independent Circuits, Add	*2,543.96*	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,621.04	3,826.01
		For Flat Filter Box And Throwaway Filters, Add	*2,188.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,213.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,250.11*	
		For Manual Roll Filter, Add	*10,505.95*	
		For Automatic Roll Filter, Add	*11,080.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,377.31*	
		For Electric Heating Coil, Add	*4,760.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,207.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,250.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,292.51*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*5,061.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,122.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,165.31*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,250.11*	
		For Variable Air Volume, Add	*2,681.28*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,692.08*	
		For 2 Coils, Independent Circuits, Add	*2,845.14*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,346.59	4,123.40
		For Flat Filter Box And Throwaway Filters, Add	*2,439.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,700.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,093.33*	
		For Manual Roll Filter, Add	*11,737.22*	
		For Automatic Roll Filter, Add	*12,380.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,878.13*	
		For Electric Heating Coil, Add	*5,306.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,165.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,093.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,021.60*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*5,654.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,308.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,236.80*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,093.33*	
		For Variable Air Volume, Add	*3,000.86*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,769.58*	
		For 2 Coils, Independent Circuits, Add	*3,163.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,339.89	4,418.14
		For Flat Filter Box And Throwaway Filters, Add	*2,718.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,246.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,039.87*	
		For Manual Roll Filter, Add	*13,123.88*	
		For Automatic Roll Filter, Add	*13,844.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,436.34*	
		For Electric Heating Coil, Add	*5,916.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,241.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,039.87*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,838.70*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*6,321.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,643.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,442.23*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,039.87*	
		For Variable Air Volume, Add	*3,363.30*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,840.36*	
		For 2 Coils, Independent Circuits, Add	*3,514.46*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	37,527.17	4,758.23
		For Flat Filter Box And Throwaway Filters, Add	*3,412.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,622.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,435.80*	
		For Manual Roll Filter, Add	*16,660.29*	
		For Automatic Roll Filter, Add	*17,582.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,825.95*	
		For Electric Heating Coil, Add	*7,440.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,972.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,435.80*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,899.18*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,022.82*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,045.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,509.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,435.80*	
		For Variable Air Volume, Add	*4,302.52*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,924.10*	
		For 2 Coils, Independent Circuits, Add	*4,367.36*	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	41,990.80	5,078.70
		For Flat Filter Box And Throwaway Filters, Add	*3,836.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,455.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,884.30*	
		For Manual Roll Filter, Add	*18,790.25*	
		For Automatic Roll Filter, Add	*19,832.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,673.17*	
		For Electric Heating Coil, Add	*8,367.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,621.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,884.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,147.26*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,047.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,095.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,358.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,884.30*	
		For Variable Air Volume, Add	*4,863.72*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,852.49*	
		For 2 Coils, Independent Circuits, Add	*4,893.90*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	46,029.53	5,469.01
		For Flat Filter Box And Throwaway Filters, Add	*4,212.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,190.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,158.09*	
		For Manual Roll Filter, Add	*20,655.58*	
		For Automatic Roll Filter, Add	*21,802.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,425.01*	
		For Electric Heating Coil, Add	*9,189.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,069.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,158.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,247.06*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,945.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,891.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,980.14*	
		For Hot Water Heating Coil, Copper Fins, Add	*14,158.09*	
		For Variable Air Volume, Add	*5,350.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,936.35*	
		For 2 Coils, Independent Circuits, Add	*5,367.36*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	50,518.65	6,585.35
		For Flat Filter Box And Throwaway Filters, Add	*4,627.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,000.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*15,560.43*	
		For Manual Roll Filter, Add	*22,706.25*	
		For Automatic Roll Filter, Add	*23,967.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,255.29*	
		For Electric Heating Coil, Add	*10,095.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,662.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,560.43*	
		For Steam Heating Coil, Aluminum Fins, Add	*13,458.71*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*10,932.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,865.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,763.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*15,560.43*	
		For Variable Air Volume, Add	*5,884.79*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,037.66*	
		For 2 Coils, Independent Circuits, Add	*5,892.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	54,397.47	6,299.44
		For Flat Filter Box And Throwaway Filters, Add	*4,990.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,710.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,790.38*	
		For Manual Roll Filter, Add	*24,508.82*	
		For Automatic Roll Filter, Add	*25,870.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,980.00*	
		For Electric Heating Coil, Add	*10,888.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,060.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,790.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,520.26*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,800.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,600.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,330.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,790.38*	
		For Variable Air Volume, Add	*6,356.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,114.24*	
		For 2 Coils, Independent Circuits, Add	*6,347.80*	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	58,680.57	6,738.86
		For Flat Filter Box And Throwaway Filters, Add	*5,385.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,480.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,123.40*	
		For Manual Roll Filter, Add	*26,457.04*	
		For Automatic Roll Filter, Add	*27,927.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,770.20*	
		For Electric Heating Coil, Add	*11,750.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,574.47*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,123.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,672.34*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,738.31*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,476.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,025.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,123.40*	
		For Variable Air Volume, Add	*6,862.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,037.40*	
		For 2 Coils, Independent Circuits, Add	*6,848.48*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	63,341.24	7,276.09
		For Flat Filter Box And Throwaway Filters, Add	*5,814.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,316.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,570.73*	
		For Manual Roll Filter, Add	*28,571.63*	
		For Automatic Roll Filter, Add	*30,160.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,628.77*	
		For Electric Heating Coil, Add	*12,687.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,218.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,570.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,923.41*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*13,756.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,512.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*24,865.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*19,570.73*	
		For Variable Air Volume, Add	*7,412.50*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,129.35*	
		For 2 Coils, Independent Circuits, Add	*7,393.05*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	65,980.07	7,617.85
		For Flat Filter Box And Throwaway Filters, Add	*6,054.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,783.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,377.44*	
		For Manual Roll Filter, Add	*29,747.46*	
		For Automatic Roll Filter, Add	*31,400.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,109.78*	
		For Electric Heating Coil, Add	*13,212.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,133.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,377.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,621.56*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,322.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,645.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,889.22*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,377.44*	
		For Variable Air Volume, Add	*7,716.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,187.79*	
		For 2 Coils, Independent Circuits, Add	*7,700.36*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	68,469.89	7,910.84
		For Flat Filter Box And Throwaway Filters, Add	*6,282.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,225.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,141.41*	
		For Manual Roll Filter, Add	*30,861.62*	
		For Automatic Roll Filter, Add	*32,576.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,564.76*	
		For Electric Heating Coil, Add	*13,708.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,000.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,141.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,282.53*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,859.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,718.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,859.18*	
		For Hot Water Heating Coil, Copper Fins, Add	*21,141.41*	
		For Variable Air Volume, Add	*8,004.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,241.52*	
		For 2 Coils, Independent Circuits, Add	*7,990.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,844.79	8,448.00
		For Flat Filter Box And Throwaway Filters, Add	*6,780.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,199.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,827.19*	
		For Manual Roll Filter, Add	*33,328.24*	
		For Automatic Roll Filter, Add	*35,181.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,561.56*	
		For Electric Heating Coil, Add	*14,796.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,915.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,827.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,738.65*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,046.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*32,092.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,004.28*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,827.19*	
		For Variable Air Volume, Add	*8,647.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,339.24*	
		For 2 Coils, Independent Circuits, Add	*8,619.90*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	80,841.47	9,033.98
		For Flat Filter Box And Throwaway Filters, Add	*7,438.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,488.88*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,064.87*	
		For Manual Roll Filter, Add	*36,611.76*	
		For Automatic Roll Filter, Add	*38,649.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,876.44*	
		For Electric Heating Coil, Add	*16,234.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,461.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,064.87*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,668.72*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*17,626.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,253.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,857.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,064.87*	
		For Variable Air Volume, Add	*9,509.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,191.86*	
		For 2 Coils, Independent Circuits, Add	*9,442.60*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	88,667.26	9,766.47
		For Flat Filter Box And Throwaway Filters, Add	*8,169.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,919.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,545.52*	
		For Manual Roll Filter, Add	*40,247.10*	
		For Automatic Roll Filter, Add	*42,488.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,338.24*	
		For Electric Heating Coil, Add	*17,832.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,281.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,545.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,809.76*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,376.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*38,752.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,017.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,545.52*	
		For Variable Air Volume, Add	*10,460.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,295.21*	
		For 2 Coils, Independent Circuits, Add	*10,361.03*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	97,368.67	10,596.62
		For Flat Filter Box And Throwaway Filters, Add	*8,978.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,502.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,287.71*	
		For Manual Roll Filter, Add	*44,262.29*	
		For Automatic Roll Filter, Add	*46,728.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,957.21*	
		For Electric Heating Coil, Add	*19,601.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,397.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,287.71*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,177.54*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,309.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,618.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,508.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,287.71*	
		For Variable Air Volume, Add	*11,508.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,416.53*	
		For 2 Coils, Independent Circuits, Add	*11,380.93*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	5,709.21	878.85
		For Economizer, Panel, Controls And Damper(s), Add	*1,518.68*	
		For Flat Filter Box And Throwaway Filters, Add	*508.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*978.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,239.02*	
		For Manual Roll Filter, Add	*2,575.20*	
		For Automatic Roll Filter, Add	*2,575.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*570.92*	
		For Electric Heating Coil, Add	*660.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,129.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,129.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,575.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,575.20*	
		For 2 Coils, Independent Circuits, Add	*660.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,112.56	1,101.03
		For Economizer, Panel, Controls And Damper(s), Add	*1,741.07*	
		For Flat Filter Box And Throwaway Filters, Add	*632.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,218.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,542.20*	
		For Manual Roll Filter, Add	*3,204.08*	
		For Automatic Roll Filter, Add	*3,204.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*711.26*	
		For Electric Heating Coil, Add	*822.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,650.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,650.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,204.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,204.08*	
		For 2 Coils, Independent Circuits, Add	*822.05*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,855.93	1,171.84
		For Economizer, Panel, Controls And Damper(s), Add	*1,811.74*	
		For Flat Filter Box And Throwaway Filters, Add	*801.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,553.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,962.89*	
		For Manual Roll Filter, Add	*4,117.50*	
		For Automatic Roll Filter, Add	*4,117.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*885.59*	
		For Electric Heating Coil, Add	*1,029.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,399.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,399.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,117.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,117.50*	
		For 2 Coils, Independent Circuits, Add	*1,029.23*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,196.89	1,254.85
		For Economizer, Panel, Controls And Damper(s), Add	*1,894.53*	
		For Flat Filter Box And Throwaway Filters, Add	*830.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,606.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,030.40*	
		For Manual Roll Filter, Add	*4,251.81*	
		For Automatic Roll Filter, Add	*4,251.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*919.69*	
		For Electric Heating Coil, Add	*1,067.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,511.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,511.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,251.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,251.81*	
		For 2 Coils, Independent Circuits, Add	*1,067.78*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,801.85	1,345.19
		For Economizer, Panel, Controls And Damper(s), Add	*1,985.24*	
		For Flat Filter Box And Throwaway Filters, Add	*984.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,910.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,412.20*	
		For Manual Roll Filter, Add	*5,076.22*	
		For Automatic Roll Filter, Add	*5,076.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,080.19*	
		For Electric Heating Coil, Add	*1,257.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,188.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,188.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,076.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,076.22*	
		For 2 Coils, Independent Circuits, Add	*1,257.79*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,383.31	1,440.56
		For Economizer, Panel, Controls And Damper(s), Add	*2,080.48*	
		For Flat Filter Box And Throwaway Filters, Add	*1,035.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,009.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,537.15*	
		For Manual Roll Filter, Add	*5,334.80*	
		For Automatic Roll Filter, Add	*5,334.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,138.33*	
		For Electric Heating Coil, Add	*1,324.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,402.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,402.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,334.80*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,334.80*	
		For 2 Coils, Independent Circuits, Add	*1,324.84*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,995.89	1,538.15
		For Economizer, Panel, Controls And Damper(s), Add	*2,178.03*	
		For Flat Filter Box And Throwaway Filters, Add	*1,089.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,113.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,669.40*	
		For Manual Roll Filter, Add	*5,609.01*	
		For Automatic Roll Filter, Add	*5,609.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,199.59*	
		For Electric Heating Coil, Add	*1,395.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,629.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,629.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,609.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,609.01*	
		For 2 Coils, Independent Circuits, Add	*1,395.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,404.19	1,650.54
		For Economizer, Panel, Controls And Damper(s), Add	*2,044.04*	
		For Flat Filter Box And Throwaway Filters, Add	*1,222.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,374.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,998.13*	
		For Manual Roll Filter, Add	*6,313.54*	
		For Automatic Roll Filter, Add	*6,313.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,340.42*	
		For Electric Heating Coil, Add	*1,561.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,208.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,208.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,313.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,313.54*	
		For 2 Coils, Independent Circuits, Add	*1,561.45*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,662.30	1,767.59
		For Economizer, Panel, Controls And Damper(s), Add	*2,138.89*	
		For Flat Filter Box And Throwaway Filters, Add	*1,339.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,604.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,286.79*	
		For Manual Roll Filter, Add	*6,927.90*	
		For Automatic Roll Filter, Add	*6,927.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,466.23*	
		For Electric Heating Coil, Add	*1,708.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,714.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,714.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,927.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,927.90*	
		For 2 Coils, Independent Circuits, Add	*1,708.97*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,495.99	1,887.85
		For Economizer, Panel, Controls And Damper(s), Add	*2,229.97*	
		For Flat Filter Box And Throwaway Filters, Add	*1,415.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,749.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,470.37*	
		For Manual Roll Filter, Add	*7,311.91*	
		For Automatic Roll Filter, Add	*7,311.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,549.60*	
		For Electric Heating Coil, Add	*1,805.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,031.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,031.39*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,311.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,311.91*	
		For 2 Coils, Independent Circuits, Add	*1,805.70*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,107.50	2,016.91
		For Economizer, Panel, Controls And Damper(s), Add	*2,335.47*	
		For Flat Filter Box And Throwaway Filters, Add	*1,566.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,046.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,844.47*	
		For Manual Roll Filter, Add	*8,111.92*	
		For Automatic Roll Filter, Add	*8,111.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,710.75*	
		For Electric Heating Coil, Add	*1,995.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,689.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,689.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,111.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,111.92*	
		For 2 Coils, Independent Circuits, Add	*1,995.25*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,198.96	2,158.53
		For Economizer, Panel, Controls And Damper(s), Add	*2,445.84*	
		For Flat Filter Box And Throwaway Filters, Add	*1,665.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,238.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,087.24*	
		For Manual Roll Filter, Add	*8,621.93*	
		For Automatic Roll Filter, Add	*8,621.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,819.90*	
		For Electric Heating Coil, Add	*2,122.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,110.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,110.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,621.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,621.93*	
		For 2 Coils, Independent Circuits, Add	*2,122.21*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,964.66	2,343.95
		For Economizer, Panel, Controls And Damper(s), Add	*2,590.20*	
		For Flat Filter Box And Throwaway Filters, Add	*1,829.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,557.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,489.29*	
		For Manual Roll Filter, Add	*9,474.94*	
		For Automatic Roll Filter, Add	*9,474.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,996.47*	
		For Electric Heating Coil, Add	*2,328.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,813.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,813.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,474.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,474.94*	
		For 2 Coils, Independent Circuits, Add	*2,328.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,448.87	2,524.70
		For Economizer, Panel, Controls And Damper(s), Add	*2,732.86*	
		For Flat Filter Box And Throwaway Filters, Add	*1,964.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,821.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,821.44*	
		For Manual Roll Filter, Add	*10,174.54*	
		For Automatic Roll Filter, Add	*10,174.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,144.89*	
		For Electric Heating Coil, Add	*2,501.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,390.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,390.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,174.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,174.54*	
		For 2 Coils, Independent Circuits, Add	*2,501.76*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,487.08	2,729.72
		For Economizer, Panel, Controls And Damper(s), Add	*2,496.72*	
		For Flat Filter Box And Throwaway Filters, Add	*2,054.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,991.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,038.00*	
		For Manual Roll Filter, Add	*10,616.58*	
		For Automatic Roll Filter, Add	*10,616.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,248.71*	
		For Electric Heating Coil, Add	*2,620.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,757.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,757.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,616.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,616.58*	
		For 2 Coils, Independent Circuits, Add	*2,620.61*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,975.36	2,944.45
		For Economizer, Panel, Controls And Damper(s), Add	*2,623.51*	
		For Flat Filter Box And Throwaway Filters, Add	*2,287.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,447.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,612.52*	
		For Manual Roll Filter, Add	*11,842.50*	
		For Automatic Roll Filter, Add	*11,842.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,497.54*	
		For Electric Heating Coil, Add	*2,912.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,765.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,765.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,842.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,842.50*	
		For 2 Coils, Independent Circuits, Add	*2,912.87*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,278.15	3,173.96
		For Economizer, Panel, Controls And Damper(s), Add	*2,754.90*	
		For Flat Filter Box And Throwaway Filters, Add	*2,400.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,665.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,888.95*	
		For Manual Roll Filter, Add	*12,411.22*	
		For Automatic Roll Filter, Add	*12,411.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,627.82*	
		For Electric Heating Coil, Add	*3,062.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,237.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,237.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,411.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,411.22*	
		For 2 Coils, Independent Circuits, Add	*3,062.63*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,722.01	3,437.80
		For Economizer, Panel, Controls And Damper(s), Add	*2,898.19*	
		For Flat Filter Box And Throwaway Filters, Add	*2,527.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,907.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,196.18*	
		For Manual Roll Filter, Add	*13,044.14*	
		For Automatic Roll Filter, Add	*13,044.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,772.20*	
		For Electric Heating Coil, Add	*3,228.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,761.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,761.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,044.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,044.14*	
		For 2 Coils, Independent Circuits, Add	*3,228.73*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,272.85	3,711.05
		For Economizer, Panel, Controls And Damper(s), Add	*2,771.49*	
		For Flat Filter Box And Throwaway Filters, Add	*2,662.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,164.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,522.47*	
		For Manual Roll Filter, Add	*13,712.83*	
		For Automatic Roll Filter, Add	*13,712.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,927.29*	
		For Electric Heating Coil, Add	*3,406.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,316.04*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,316.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,712.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,712.83*	
		For 2 Coils, Independent Circuits, Add	*3,406.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,083.46	3,852.87
		For Economizer, Panel, Controls And Damper(s), Add	*2,835.13*	
		For Flat Filter Box And Throwaway Filters, Add	*2,732.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,299.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,693.30*	
		For Manual Roll Filter, Add	*14,063.21*	
		For Automatic Roll Filter, Add	*14,063.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,008.35*	
		For Electric Heating Coil, Add	*3,499.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,606.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,606.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,063.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,063.21*	
		For 2 Coils, Independent Circuits, Add	*3,499.67*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,862.19	3,990.37
		For Economizer, Panel, Controls And Damper(s), Add	*2,889.20*	
		For Flat Filter Box And Throwaway Filters, Add	*2,801.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,431.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,860.95*	
		For Manual Roll Filter, Add	*14,410.41*	
		For Automatic Roll Filter, Add	*14,410.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,086.22*	
		For Electric Heating Coil, Add	*3,589.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,893.92*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,893.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,410.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,410.41*	
		For 2 Coils, Independent Circuits, Add	*3,589.52*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,007.58	4,150.75
		For Economizer, Panel, Controls And Damper(s), Add	*2,589.10*	
		For Flat Filter Box And Throwaway Filters, Add	*3,203.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,228.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,860.07*	
		For Manual Roll Filter, Add	*16,578.69*	
		For Automatic Roll Filter, Add	*16,578.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,500.76*	
		For Electric Heating Coil, Add	*4,082.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,672.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,672.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,578.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,578.69*	
		For 2 Coils, Independent Circuits, Add	*4,082.00*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,126.73	4,315.17
		For Economizer, Panel, Controls And Damper(s), Add	*2,814.30*	
		For Flat Filter Box And Throwaway Filters, Add	*3,604.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,023.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,856.57*	
		For Manual Roll Filter, Add	*18,744.36*	
		For Automatic Roll Filter, Add	*18,744.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,912.67*	
		For Electric Heating Coil, Add	*4,571.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,448.43*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,448.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,744.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,744.36*	
		For 2 Coils, Independent Circuits, Add	*4,571.86*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,156.89	4,477.93
		For Economizer, Panel, Controls And Damper(s), Add	*2,853.87*	
		For Flat Filter Box And Throwaway Filters, Add	*4,196.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,200.22*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,330.19*	
		For Manual Roll Filter, Add	*21,959.20*	
		For Automatic Roll Filter, Add	*21,959.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,515.69*	
		For Electric Heating Coil, Add	*5,290.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,082.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,082.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,959.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,959.20*	
		For 2 Coils, Independent Circuits, Add	*5,290.96*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	51,190.26	4,639.07
		For Economizer, Panel, Controls And Damper(s), Add	*2,894.00*	
		For Flat Filter Box And Throwaway Filters, Add	*4,787.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,377.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,804.14*	
		For Manual Roll Filter, Add	*25,174.37*	
		For Automatic Roll Filter, Add	*25,174.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,119.03*	
		For Electric Heating Coil, Add	*6,010.37*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,717.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,717.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,174.37*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,174.37*	
		For 2 Coils, Independent Circuits, Add	*6,010.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	57,541.16	5,029.73
		For Economizer, Panel, Controls And Damper(s), Add	*2,992.13*	
		For Flat Filter Box And Throwaway Filters, Add	*5,394.94*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,056.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,307.75*	
		For Manual Roll Filter, Add	*20,861.39*	
		For Automatic Roll Filter, Add	*25,897.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,754.12*	
		For Electric Heating Coil, Add	*6,761.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,861.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,861.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,789.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,897.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,897.15*	
		For 2 Coils, Independent Circuits, Add	*6,761.27*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	62,052.97	5,469.22
		For Economizer, Panel, Controls And Damper(s), Add	*2,930.55*	
		For Flat Filter Box And Throwaway Filters, Add	*5,816.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,686.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,347.69*	
		For Manual Roll Filter, Add	*22,490.09*	
		For Automatic Roll Filter, Add	*27,918.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,205.30*	
		For Electric Heating Coil, Add	*7,290.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,490.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,490.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,633.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,918.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,918.35*	
		For 2 Coils, Independent Circuits, Add	*7,290.95*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	74,246.03	5,908.50
		For Economizer, Panel, Controls And Damper(s), Add	*3,030.82*	
		For Flat Filter Box And Throwaway Filters, Add	*7,002.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,461.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,295.69*	
		For Manual Roll Filter, Add	*27,166.78*	
		For Automatic Roll Filter, Add	*33,747.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,424.60*	
		For Electric Heating Coil, Add	*8,740.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,166.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,166.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,005.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,747.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*33,747.50*	
		For 2 Coils, Independent Circuits, Add	*8,740.75*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	84,035.67	6,397.03
		For Economizer, Panel, Controls And Damper(s), Add	*3,133.85*	
		For Flat Filter Box And Throwaway Filters, Add	*7,947.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,875.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,640.07*	
		For Manual Roll Filter, Add	*30,876.58*	
		For Automatic Roll Filter, Add	*38,367.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,403.57*	
		For Electric Heating Coil, Add	*9,901.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*30,876.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,876.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,894.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*38,367.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,367.58*	
		For 2 Coils, Independent Circuits, Add	*9,901.77*	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	91,097.75	6,885.57
		For Economizer, Panel, Controls And Damper(s), Add	*3,241.12*	
		For Flat Filter Box And Throwaway Filters, Add	*8,617.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,877.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,298.31*	
		For Manual Roll Filter, Add	*33,486.85*	
		For Automatic Roll Filter, Add	*41,612.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,109.78*	
		For Electric Heating Coil, Add	*10,734.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*33,486.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*33,486.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,235.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*41,612.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,612.54*	
		For 2 Coils, Independent Circuits, Add	*10,734.91*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	101,691.64	8,057.13
		For Economizer, Panel, Controls And Damper(s), Add	*3,267.37*	
		For Flat Filter Box And Throwaway Filters, Add	*9,594.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,333.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,698.06*	
		For Manual Roll Filter, Add	*37,226.97*	
		For Automatic Roll Filter, Add	*46,246.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,169.16*	
		For Electric Heating Coil, Add	*11,973.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*37,226.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*37,226.97*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,188.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*46,246.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*46,246.23*	
		For 2 Coils, Independent Circuits, Add	*11,973.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	102,121.71	8,350.33
		For Economizer, Panel, Controls And Damper(s), Add	*3,321.13*	
		For Flat Filter Box And Throwaway Filters, Add	*9,615.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,363.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,741.07*	
		For Manual Roll Filter, Add	*37,269.97*	
		For Automatic Roll Filter, Add	*46,289.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,212.17*	
		For Electric Heating Coil, Add	*12,016.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*37,269.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*37,269.97*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,231.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*46,289.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*46,289.24*	
		For 2 Coils, Independent Circuits, Add	*12,016.02*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	106,838.72	8,643.05
		For Economizer, Panel, Controls And Damper(s), Add	*3,374.89*	
		For Flat Filter Box And Throwaway Filters, Add	*10,065.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,037.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,855.81*	
		For Manual Roll Filter, Add	*39,027.76*	
		For Automatic Roll Filter, Add	*48,475.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,683.87*	
		For Electric Heating Coil, Add	*12,573.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*39,027.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,027.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,131.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*48,475.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*48,475.72*	
		For 2 Coils, Independent Circuits, Add	*12,573.46*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	111,705.97	9,278.15
		For Economizer, Panel, Controls And Damper(s), Add	*3,485.70*	
		For Flat Filter Box And Throwaway Filters, Add	*10,508.32*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,696.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,939.65*	
		For Manual Roll Filter, Add	*40,708.70*	
		For Automatic Roll Filter, Add	*50,554.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,170.60*	
		For Electric Heating Coil, Add	*13,139.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,708.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*40,708.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,016.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,554.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*50,554.73*	
		For 2 Coils, Independent Circuits, Add	*13,139.80*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	120,479.17	9,766.47
		For Economizer, Panel, Controls And Damper(s), Add	*3,566.30*	
		For Flat Filter Box And Throwaway Filters, Add	*11,353.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,960.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,036.24*	
		For Manual Roll Filter, Add	*44,024.56*	
		For Automatic Roll Filter, Add	*54,683.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,047.92*	
		For Electric Heating Coil, Add	*14,179.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,024.56*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*44,024.56*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,706.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,683.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,683.44*	
		For 2 Coils, Independent Circuits, Add	*14,179.69*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	129,566.80	10,303.63
		For Economizer, Panel, Controls And Damper(s), Add	*3,373.82*	
		For Flat Filter Box And Throwaway Filters, Add	*12,219.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,255.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,180.98*	
		For Manual Roll Filter, Add	*47,405.27*	
		For Automatic Roll Filter, Add	*58,888.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,956.68*	
		For Electric Heating Coil, Add	*15,253.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,405.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,405.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,439.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*58,888.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*58,888.14*	
		For 2 Coils, Independent Circuits, Add	*15,253.25*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	139,632.97	10,938.44
		For Economizer, Panel, Controls And Damper(s), Add	*3,461.80*	
		For Flat Filter Box And Throwaway Filters, Add	*13,182.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,695.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,565.54*	
		For Manual Roll Filter, Add	*51,167.78*	
		For Automatic Roll Filter, Add	*63,569.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,963.30*	
		For Electric Heating Coil, Add	*16,443.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*51,167.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*51,167.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,364.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*63,569.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*63,569.27*	
		For 2 Coils, Independent Circuits, Add	*16,443.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	149,969.27	11,231.43
		For Economizer, Panel, Controls And Damper(s), Add	*3,501.65*	
		For Flat Filter Box And Throwaway Filters, Add	*14,196.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,214.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,089.85*	
		For Manual Roll Filter, Add	*55,182.77*	
		For Automatic Roll Filter, Add	*68,578.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,996.93*	
		For Electric Heating Coil, Add	*17,675.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,182.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,182.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,392.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,578.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,578.06*	
		For 2 Coils, Independent Circuits, Add	*17,675.98*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	2,464.17	390.58
23 73 13 00-0090	EA	500 CFM Return Air Fan	3,209.32	468.72
23 73 13 00-0091	EA	750 CFM Return Air Fan	3,352.79	488.25
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	3,841.69	517.56
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	3,955.43	541.97
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	4,042.81	566.38
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	4,242.49	595.69
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	4,731.39	624.98
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	4,957.29	654.28
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	5,078.04	683.58
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	5,366.52	756.83
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	5,501.35	795.90
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	5,629.03	830.08
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	5,790.14	869.22
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	5,931.71	913.17
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	6,190.23	1,020.60
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	7,014.39	1,211.04
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	7,200.48	1,230.58
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	7,286.02	1,235.46
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	7,682.45	1,255.00
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	7,858.83	1,269.64
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	8,272.80	1,318.68
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	8,832.27	1,342.82
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	10,018.39	1,380.98
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	10,939.28	1,455.13
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	13,080.49	1,518.48
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	13,713.09	1,571.42
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	14,347.28	1,616.35
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	15,184.89	1,777.50
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	16,243.97	1,875.02
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	18,380.82	1,953.09
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	21,709.89	2,148.42
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	26,781.62	2,441.41
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	32,744.66	2,529.51
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	34,291.72	2,602.55
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	35,076.95	2,670.92
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	36,791.46	2,788.05
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	38,644.42	2,925.34
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	41,588.83	3,068.83
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	43,425.02	3,231.51
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	44,813.97	3,415.55
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	48,218.11	3,571.87
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	51,906.52	3,742.72
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	55,908.70	3,931.29
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	61,227.60	4,140.70

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	1,788.73
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	2,426.45
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	3,018.48
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	5,507.41

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.7 EER, >11 to 20 tons have 11.7 EER, >20 to 63 tons have 10.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	3,074.90	198.56
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-421.59*	
		For Unit Economizer, Add	*419.92*	
		For Equipment Base Roof Curb, Add	*377.76*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	4,515.93	224.99
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-632.39*	
		For Unit Economizer, Add	*620.23*	
		For Equipment Base Roof Curb, Add	*556.99*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,619.52	230.70
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-796.86*	
		For Unit Economizer, Add	*774.45*	
		For Equipment Base Roof Curb, Add	*694.76*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,026.19	289.28
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-996.07*	
		For Unit Economizer, Add	*968.24*	
		For Equipment Base Roof Curb, Add	*868.63*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,425.33	310.71
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-1,201.66*	
		For Unit Economizer, Add	*1,162.98*	
		For Equipment Base Roof Curb, Add	*1,042.81*	
23 74 16 13-0007	EA	7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,824.46	332.13
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-1,407.24*	
		For Unit Economizer, Add	*1,357.71*	
		For Equipment Base Roof Curb, Add	*1,216.99*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,403.12	342.85
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-1,641.90*	
		For Unit Economizer, Add	*1,578.15*	
		For Equipment Base Roof Curb, Add	*1,413.96*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,973.10	348.56
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-1,876.32*	
		For Unit Economizer, Add	*1,797.66*	
		For Equipment Base Roof Curb, Add	*1,610.03*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,221.73	439.27
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-2,345.41*	
		For Unit Economizer, Add	*2,247.61*	
		For Equipment Base Roof Curb, Add	*2,013.07*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,463.22	524.98
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-2,814.49*	
		For Unit Economizer, Add	*2,696.85*	
		For Equipment Base Roof Curb, Add	*2,415.40*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,925.41	605.69
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-3,167.75*	
		For Unit Economizer, Add	*3,037.27*	
		For Equipment Base Roof Curb, Add	*2,720.50*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	24,394.75	691.40
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-3,521.00*	
		For Unit Economizer, Add	*3,378.41*	
		For Equipment Base Roof Curb, Add	*3,026.31*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,328.92	691.40
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-3,961.13*	
		For Unit Economizer, Add	*3,789.19*	
		For Equipment Base Roof Curb, Add	*3,393.08*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,513.09	878.54
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-4,401.26*	
		For Unit Economizer, Add	*4,224.98*	
		For Equipment Base Roof Curb, Add	*3,784.85*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	33,575.82	974.97
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-4,841.38*	
		For Unit Economizer, Add	*4,648.62*	
		For Equipment Base Roof Curb, Add	*4,164.48*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	36,638.56	1,071.38
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-5,281.51*	
		For Unit Economizer, Add	*5,072.26*	
		For Equipment Base Roof Curb, Add	*4,544.11*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	42,649.75	1,178.53
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-6,161.76*	
		For Unit Economizer, Add	*5,908.11*	
		For Equipment Base Roof Curb, Add	*5,291.93*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	45,565.19	1,280.67
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	*-6,578.72*	
		For Unit Economizer, Add	*6,310.84*	
		For Equipment Base Roof Curb, Add	*5,652.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	51,268.88	1,446.38
		For Unit Without Heat, Deduct	*-7,401.06*	
		For Unit Economizer, Add	*7,100.50*	
		For Equipment Base Roof Curb, Add	*6,360.40*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	56,965.43	1,607.08
		For Unit Without Heat, Deduct	*-8,223.40*	
		For Unit Economizer, Add	*7,889.45*	
		For Equipment Base Roof Curb, Add	*7,067.11*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	60,701.68	1,687.79
		For Unit Without Heat, Deduct	*-8,767.76*	
		For Unit Economizer, Add	*8,408.24*	
		For Equipment Base Roof Curb, Add	*7,531.46*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	64,409.35	1,746.37
		For Unit Without Heat, Deduct	*-9,312.13*	
		For Unit Economizer, Add	*8,924.17*	
		For Equipment Base Roof Curb, Add	*7,992.96*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	69,697.03	1,832.07
		For Unit Without Heat, Deduct	*-10,088.14*	
		For Unit Economizer, Add	*9,659.87*	
		For Equipment Base Roof Curb, Add	*8,651.06*	
23 74 16 13-0025	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	79,886.33	2,003.50
		For Unit Without Heat, Deduct	*-11,582.25*	
		For Unit Economizer, Add	*11,077.23*	
		For Equipment Base Roof Curb, Add	*9,919.01*	

23 74 16 13-0026 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 74 16 13-0027	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	4,246.27	198.56
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-199.10*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-79.64*	
		For Unit Economizer, Add	*583.91*	
		For Equipment Base Roof Curb, Add	*524.18*	
23 74 16 13-0028	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	4,328.10	224.99
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-201.41*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-80.56*	
		For Unit Economizer, Add	*593.93*	
		For Equipment Base Roof Curb, Add	*533.51*	
23 74 16 13-0029	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	5,080.89	230.70
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-238.69*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-95.48*	
		For Unit Economizer, Add	*699.04*	
		For Equipment Base Roof Curb, Add	*627.43*	
23 74 16 13-0030	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	5,716.36	289.28
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-266.53*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-106.61*	
		For Unit Economizer, Add	*784.86*	
		For Equipment Base Roof Curb, Add	*704.90*	
23 74 16 13-0031	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	6,607.04	310.71
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-309.64*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-123.86*	
		For Unit Economizer, Add	*908.41*	
		For Equipment Base Roof Curb, Add	*815.52*	
23 74 16 13-0032	EA	7-1/2 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	8,456.23	332.13
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-400.67*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-160.27*	
		For Unit Economizer, Add	*1,166.16*	
		For Equipment Base Roof Curb, Add	*1,045.96*	
23 74 16 13-0033	EA	8-1/2 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit	9,431.69	342.85
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-448.73*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-179.49*	
		For Unit Economizer, Add	*1,302.15*	
		For Equipment Base Roof Curb, Add	*1,167.53*	
23 74 16 13-0034	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	11,106.77	348.56
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-532.13*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-212.85*	
		For Unit Economizer, Add	*1,536.38*	
		For Equipment Base Roof Curb, Add	*1,376.74*	
23 74 16 13-0035	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	13,345.69	439.27
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-638.00*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-255.20*	
		For Unit Economizer, Add	*1,844.97*	
		For Equipment Base Roof Curb, Add	*1,653.57*	
23 74 16 13-0036	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	16,594.98	524.98
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-794.75*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-317.90*	
		For Unit Economizer, Add	*2,295.30*	
		For Equipment Base Roof Curb, Add	*2,056.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0037	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	19,782.11	605.69
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-948.75*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-379.50*	
		For Unit Economizer, Add	*2,737.21*	
		For Equipment Base Roof Curb, Add	*2,452.59*	
23 74 16 13-0038	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	22,987.39	691.40
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,103.30*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-441.32*	
		For Unit Economizer, Add	*3,181.38*	
		For Equipment Base Roof Curb, Add	*2,850.39*	
23 74 16 13-0039	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	25,812.89	784.97
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,238.33*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-495.33*	
		For Unit Economizer, Add	*3,571.95*	
		For Equipment Base Roof Curb, Add	*3,200.45*	
23 74 16 13-0040	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	23,517.89	878.54
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,117.33*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-446.93*	
		For Unit Economizer, Add	*3,245.65*	
		For Equipment Base Roof Curb, Add	*2,910.45*	
23 74 16 13-0041	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	26,588.82	974.97
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,264.44*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-505.78*	
		For Unit Economizer, Add	*3,670.44*	
		For Equipment Base Roof Curb, Add	*3,291.10*	
23 74 16 13-0042	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	24,429.52	1,071.38
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,150.05*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-460.02*	
		For Unit Economizer, Add	*3,362.99*	
		For Equipment Base Roof Curb, Add	*3,017.98*	
23 74 16 13-0043	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	32,178.87	1,178.53
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,530.38*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-612.15*	
		For Unit Economizer, Add	*4,442.19*	
		For Equipment Base Roof Curb, Add	*3,983.07*	
23 74 16 13-0044	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	33,590.57	1,280.67
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,594.18*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-637.67*	
		For Unit Economizer, Add	*4,634.40*	
		For Equipment Base Roof Curb, Add	*4,156.14*	
23 74 16 13-0045	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	41,556.00	1,446.38
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,981.38*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-792.55*	
		For Unit Economizer, Add	*5,740.70*	
		For Equipment Base Roof Curb, Add	*5,146.29*	
23 74 16 13-0046	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	41,319.28	1,607.08
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,958.83*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-783.53*	
		For Unit Economizer, Add	*5,698.99*	
		For Equipment Base Roof Curb, Add	*5,111.34*	
23 74 16 13-0047	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	52,409.92	1,687.79
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,508.00*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,003.20*	
		For Unit Economizer, Add	*7,247.39*	
		For Equipment Base Roof Curb, Add	*6,494.99*	
23 74 16 13-0048	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	53,093.49	1,746.37
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,538.25*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,015.30*	
		For Unit Economizer, Add	*7,339.95*	
		For Equipment Base Roof Curb, Add	*6,578.47*	
23 74 16 13-0049	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	62,293.77	1,832.07
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,992.55*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,197.02*	
		For Unit Economizer, Add	*8,623.42*	
		For Equipment Base Roof Curb, Add	*7,725.65*	
23 74 16 13-0050	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	67,798.05	1,917.79
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,262.05*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,304.82*	
		For Unit Economizer, Add	*9,389.45*	
		For Equipment Base Roof Curb, Add	*8,410.83*	
23 74 16 13-0051	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	72,218.83	2,003.50
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,477.38*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,390.95*	
		For Unit Economizer, Add	*10,003.78*	
		For Equipment Base Roof Curb, Add	*8,960.57*	
23 74 16 13-0052	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	69,011.44	2,094.92
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,310.93*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,324.37*	
		For Unit Economizer, Add	*9,549.89*	
		For Equipment Base Roof Curb, Add	*8,556.61*	
23 74 16 13-0053	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	81,089.24	2,191.35
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,908.40*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,563.36*	
		For Unit Economizer, Add	*11,235.64*	
		For Equipment Base Roof Curb, Add	*10,063.12*	
23 74 16 13-0054	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	87,257.12	2,410.63
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-4,202.15*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,680.86*	
		For Unit Economizer, Add	*12,087.43*	
		For Equipment Base Roof Curb, Add	*10,826.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0055		Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*		
		Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.		
23 74 16 13-0056	EA	2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit	4,553.15	198.56
		For Unit Economizer, Add	*626.87*	
		For Equipment Base Roof Curb, Add	*562.54*	
23 74 16 13-0057	EA	3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit	5,031.81	224.99
		For Unit Economizer, Add	*692.45*	
		For Equipment Base Roof Curb, Add	*621.48*	
23 74 16 13-0058	EA	4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit	5,888.43	230.70
		For Unit Economizer, Add	*812.10*	
		For Equipment Base Roof Curb, Add	*728.38*	
23 74 16 13-0059	EA	5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit	6,739.28	289.28
		For Unit Economizer, Add	*928.07*	
		For Equipment Base Roof Curb, Add	*832.77*	
23 74 16 13-0060	EA	6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	7,843.13	310.71
		For Unit Economizer, Add	*1,081.47*	
		For Equipment Base Roof Curb, Add	*970.03*	
23 74 16 13-0061	EA	7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	10,181.62	332.13
		For Unit Economizer, Add	*1,407.71*	
		For Equipment Base Roof Curb, Add	*1,261.63*	
23 74 16 13-0062	EA	8.5 Ton Gas Cooling, 240 MBH Gas Heating, Self Contained Package Rooftop Unit	13,184.15	342.85
		For Unit Economizer, Add	*1,827.50*	
		For Equipment Base Roof Curb, Add	*1,636.59*	
23 74 16 13-0063	EA	10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit	14,278.49	348.56
		For Unit Economizer, Add	*1,980.42*	
		For Equipment Base Roof Curb, Add	*1,773.20*	
23 74 16 13-0064	EA	12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit	16,389.14	439.27
		For Unit Economizer, Add	*2,271.05*	
		For Equipment Base Roof Curb, Add	*2,034.00*	
23 74 16 13-0065	EA	15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit	18,489.67	524.98
		For Unit Economizer, Add	*2,560.55*	
		For Equipment Base Roof Curb, Add	*2,293.71*	
23 74 16 13-0066	EA	17.5 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	24,129.13	605.69
		For Unit Economizer, Add	*3,345.79*	
		For Equipment Base Roof Curb, Add	*2,995.96*	
23 74 16 13-0067	EA	20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	29,772.00	691.40
		For Unit Economizer, Add	*4,131.22*	
		For Equipment Base Roof Curb, Add	*3,698.47*	
23 74 16 13-0068	EA	22.5 Ton Gas Cooling, 490 MBH Gas Heating, Self Contained Package Rooftop Unit	35,195.42	784.97
		For Unit Economizer, Add	*4,885.50*	
		For Equipment Base Roof Curb, Add	*4,373.27*	
23 74 16 13-0069	EA	25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit	35,519.51	878.54
		For Unit Economizer, Add	*4,925.88*	
		For Equipment Base Roof Curb, Add	*4,410.65*	
23 74 16 13-0070	EA	30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	42,046.54	1,071.38
		For Unit Economizer, Add	*5,829.37*	
		For Equipment Base Roof Curb, Add	*5,220.10*	
23 74 16 13-0071	EA	35 Ton Gas Cooling, 725 MBH Gas Heating, Self Contained Package Rooftop Unit	52,095.65	1,178.53
		For Unit Economizer, Add	*7,230.54*	
		For Equipment Base Roof Curb, Add	*6,472.67*	
23 74 16 13-0072	EA	40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	54,592.28	1,280.67
		For Unit Economizer, Add	*7,574.64*	
		For Equipment Base Roof Curb, Add	*6,781.36*	
23 74 16 13-0073	EA	45 Ton Gas Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	65,218.19	1,446.38
		For Unit Economizer, Add	*9,053.41*	
		For Equipment Base Roof Curb, Add	*8,104.06*	
23 74 16 13-0074	EA	50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	66,386.49	1,607.08
		For Unit Economizer, Add	*9,208.40*	
		For Equipment Base Roof Curb, Add	*8,244.74*	
23 74 16 13-0075	EA	55 Ton Gas Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	76,243.94	1,687.79
		For Unit Economizer, Add	*10,584.15*	
		For Equipment Base Roof Curb, Add	*9,474.24*	
23 74 16 13-0076	EA	60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	75,022.93	1,746.37
		For Unit Economizer, Add	*10,410.07*	
		For Equipment Base Roof Curb, Add	*9,319.65*	
23 74 16 13-0077	EA	65 Ton Gas Cooling, 1,250 MBH Gas Heating, Self Contained Package Rooftop Unit	89,841.39	1,832.07
		For Unit Economizer, Add	*12,480.08*	
		For Equipment Base Roof Curb, Add	*11,169.10*	
23 74 16 13-0078	EA	70 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit	98,794.17	1,917.79
		For Unit Economizer, Add	*13,728.90*	
		For Equipment Base Roof Curb, Add	*12,285.35*	
23 74 16 13-0079	EA	75 Ton Gas Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	107,753.62	2,003.50
		For Unit Economizer, Add	*14,978.65*	
		For Equipment Base Roof Curb, Add	*13,402.42*	
23 74 16 13-0080	EA	80 Ton Gas Cooling, 1,400 MBH Gas Heating, Self Contained Package Rooftop Unit	108,204.27	2,094.92
		For Unit Economizer, Add	*15,036.89*	
		For Equipment Base Roof Curb, Add	*13,455.71*	
23 74 16 13-0081	EA	90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit	125,508.26	2,191.35
		For Unit Economizer, Add	*17,454.30*	
		For Equipment Base Roof Curb, Add	*15,615.50*	
23 74 16 13-0082	EA	100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit	141,156.43	2,410.63
		For Unit Economizer, Add	*19,633.33*	
		For Equipment Base Roof Curb, Add	*17,564.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 74 16 13-0083 Heating Only Packaged Rooftop Units *(23 74 16 13)*

Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 74 16 13-0084	EA	24 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,990.94	221.42
		For Gas Heat, Add	*200.51*	
23 74 16 13-0085	EA	32 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,533.38	257.13
		For Gas Heat, Add	*237.05*	
23 74 16 13-0086	EA	45 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,914.36	264.27
		For Gas Heat, Add	*333.43*	
23 74 16 13-0087	EA	60 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,683.24	335.70
		For Gas Heat, Add	*384.54*	
23 74 16 13-0088	EA	95 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,732.40	385.70
		For Gas Heat, Add	*455.84*	
23 74 16 13-0089	EA	112 MBH Electric Heating Only Self Contained Package Rooftop Unit	7,630.60	414.27
		For Gas Heat, Add	*517.43*	
23 74 16 13-0090	EA	140 MBH Electric Heating Only Self Contained Package Rooftop Unit	9,180.70	449.98
		For Gas Heat, Add	*625.08*	
23 74 16 13-0091	EA	170 MBH Electric Heating Only Self Contained Package Rooftop Unit	11,961.98	464.27
		For Gas Heat, Add	*818.63*	
23 74 16 13-0092	EA	200 MBH Electric Heating Only Self Contained Package Rooftop Unit	16,145.50	528.55
		For Gas Heat, Add	*1,109.19*	
23 74 16 13-0093	EA	230 MBH Electric Heating Only Self Contained Package Rooftop Unit	19,023.50	585.69
		For Gas Heat, Add	*1,308.22*	
23 74 16 13-0094	EA	270 MBH Electric Heating Only Self Contained Package Rooftop Unit	25,121.17	714.26
		For Gas Heat, Add	*1,729.91*	
23 74 16 13-0095	EA	330 MBH Electric Heating Only Self Contained Package Rooftop Unit	31,504.34	857.11
		For Gas Heat, Add	*2,171.16*	
23 74 16 13-0096	EA	360 MBH Electric Heating Only Self Contained Package Rooftop Unit	39,290.92	1,071.38
		For Gas Heat, Add	*2,707.51*	
23 74 16 13-0097	EA	450 MBH Electric Heating Only Self Contained Package Rooftop Unit	47,746.35	1,171.39
		For Gas Heat, Add	*3,295.67*	
23 74 16 13-0098	EA	540 MBH Electric Heating Only Self Contained Package Rooftop Unit	61,730.97	1,399.94
		For Gas Heat, Add	*4,265.31*	

23 74 16 13-0099 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 74 16 13-0100 Packaged Rooftop Heat Pump Units *(23 74 16 13-0099)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0101	EA	2 Ton Packaged Rooftop Heat Pump	5,042.83	292.84
		For Economizer With Outside Air Control, Add	*1,228.84*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*222.86*	
23 74 16 13-0102	EA	2.5 Ton Packaged Rooftop Heat Pump	5,274.46	307.13
		For Economizer With Outside Air Control, Add	*1,287.84*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*232.65*	
23 74 16 13-0103	EA	3 Ton Packaged Rooftop Heat Pump	5,562.22	335.70
23 74 16 13-0104	EA	3.5 Ton Packaged Rooftop Heat Pump	5,971.33	357.13
		For Economizer With Outside Air Control, Add	*1,463.19*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*262.50*	
23 74 16 13-0105	EA	4 Ton Packaged Rooftop Heat Pump	6,373.27	385.70
23 74 16 13-0106	EA	5 Ton Packaged Rooftop Heat Pump	6,831.00	414.27
23 74 16 13-0107	EA	6 Ton Packaged Rooftop Heat Pump	7,749.59	442.84
23 74 16 13-0108	EA	7.5 Ton Packaged Rooftop Heat Pump	10,421.35	464.27
23 74 16 13-0109	EA	8.5 Ton Packaged Rooftop Heat Pump	11,722.28	499.98
		For Economizer With Outside Air Control, Add	*1,676.65*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*321.88*	
23 74 16 13-0110	EA	10 Ton Packaged Rooftop Heat Pump	12,709.39	528.55
23 74 16 13-0111	EA	12.5 Ton Packaged Rooftop Heat Pump	14,946.90	585.69
23 74 16 13-0112	EA	15 Ton Packaged Rooftop Heat Pump	17,177.27	642.83
23 74 16 13-0113	EA	17.5 Ton Packaged Rooftop Heat Pump	19,268.27	671.40
23 74 16 13-0114	EA	20 Ton Packaged Rooftop Heat Pump	21,473.54	699.98

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	4,295.61	321.42
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,127.98*	
		For Equipment Base Roof Curb, Add	*520.88*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	5,541.45	364.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,478.52*	
		For Equipment Base Roof Curb, Add	*674.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,692.02	428.55
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,093.33*	
		For Equipment Base Roof Curb, Add	*940.07*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,761.91	457.12
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,098.23*	
		For Equipment Base Roof Curb, Add	*947.20*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,581.45	514.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,917.30*	
		For Equipment Base Roof Curb, Add	*1,296.97*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,013.57	642.83
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,482.65*	
		For Equipment Base Roof Curb, Add	*1,969.55*	
23 74 23 13-0009		Electric Make-Up Air Units *(23 74 23 13-0001)*		
		Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.		
23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	8,793.42	321.42
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,477.32*	
		For Equipment Base Roof Curb, Add	*1,083.11*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	12,561.05	364.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,584.40*	
		For Equipment Base Roof Curb, Add	*1,551.74*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	15,558.90	428.55
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,453.39*	
		For Equipment Base Roof Curb, Add	*1,923.43*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	20,122.80	514.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,779.71*	
		For Equipment Base Roof Curb, Add	*2,489.64*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	32,510.75	642.83
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,431.81*	
		For Equipment Base Roof Curb, Add	*4,031.70*	

23 80 Decentralized Unitary HVAC Equipment *(23)*

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,178.57	128.30
		For >35 To 70, Deduct	*-27.66*	
		For >70 To 100, Deduct	*-46.10*	
		For >100, Deduct	*-64.54*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,263.13	162.92
		For >35 To 70, Deduct	*-28.13*	
		For >70 To 100, Deduct	*-46.88*	
		For >100, Deduct	*-65.64*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,337.28	173.62
		For >35 To 70, Deduct	*-29.69*	
		For >70 To 100, Deduct	*-49.48*	
		For >100, Deduct	*-69.27*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,444.88	186.63
		For >35 To 70, Deduct	*-32.15*	
		For >70 To 100, Deduct	*-53.59*	
		For >100, Deduct	*-75.03*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,274.50	144.56
		For >35 To 70, Deduct	*-29.58*	
		For >70 To 100, Deduct	*-49.29*	
		For >100, Deduct	*-69.01*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,346.51	162.92
		For >35 To 70, Deduct	*-30.63*	
		For >70 To 100, Deduct	*-51.05*	
		For >100, Deduct	*-71.47*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,397.70	173.62
		For >35 To 70, Deduct	*-31.50*	
		For >70 To 100, Deduct	*-52.50*	
		For >100, Deduct	*-73.50*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,524.63	186.63
		For >35 To 70, Deduct	*-34.55*	
		For >70 To 100, Deduct	*-57.58*	
		For >100, Deduct	*-80.61*	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	67.31	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	76.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	85.17	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	136.86	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units *(23 81 13)*

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit *(23 81 13 13)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,898.58	155.24
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,603.75	162.63
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,349.66	170.03
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,457.64	184.81
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,616.83	214.38
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,373.04	266.12
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,588.92	295.69
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	13,861.56	332.66
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,583.84	399.20
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	20,153.80	495.29
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,005.46	665.32
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	33,716.19	813.17
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	38,829.52	968.41
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	46,444.62	1,086.69

23 81 16 Room Air-Conditioners *(23 81)*

23 81 16 00-0001 Window Unit, Room Air-Conditioners *(23 81 16)*

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	375.96	71.85
		For >10 To 50, Deduct	*-11.61*	
		For >50 To 75, Deduct	*-16.26*	
		For >75 To 100, Deduct	*-23.23*	
		For >100, Deduct	*-27.87*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	399.30	71.85
		For >10 To 50, Deduct	*-12.78*	
		For >50 To 75, Deduct	*-17.89*	
		For >75 To 100, Deduct	*-25.56*	
		For >100, Deduct	*-30.67*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	457.66	71.85
		For >10 To 50, Deduct	*-15.70*	
		For >50 To 75, Deduct	*-21.98*	
		For >75 To 100, Deduct	*-31.40*	
		For >100, Deduct	*-37.67*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	468.13	71.85
		For >10 To 50, Deduct	*-16.22*	
		For >50 To 75, Deduct	*-22.71*	
		For >75 To 100, Deduct	*-32.44*	
		For >100, Deduct	*-38.93*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	644.40	71.85
		For >10 To 50, Deduct	*-25.03*	
		For >50 To 75, Deduct	*-35.05*	
		For >75 To 100, Deduct	*-50.07*	
		For >100, Deduct	*-60.08*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	761.11	71.85
		For >10 To 50, Deduct	*-30.87*	
		For >50 To 75, Deduct	*-43.22*	
		For >75 To 100, Deduct	*-61.74*	
		For >100, Deduct	*-74.09*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	714.42	71.85
		For >10 To 50, Deduct	*-28.54*	
		For >50 To 75, Deduct	*-39.95*	
		For >75 To 100, Deduct	*-57.07*	
		For >100, Deduct	*-68.49*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	772.78	71.85
		For >10 To 50, Deduct	*-31.45*	
		For >50 To 75, Deduct	*-44.03*	
		For >75 To 100, Deduct	*-62.91*	
		For >100, Deduct	*-75.49*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	819.46	71.85
		For >10 To 50, Deduct	*-33.79*	
		For >50 To 75, Deduct	*-47.30*	
		For >75 To 100, Deduct	*-67.58*	
		For >100, Deduct	*-81.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	866.14	71.85
		For >10 To 50, Deduct	*-36.12*	
		For >50 To 75, Deduct	*-50.57*	
		For >75 To 100, Deduct	*-72.24*	
		For >100, Deduct	*-86.69*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	959.51	71.85
		For >10 To 50, Deduct	*-40.79*	
		For >50 To 75, Deduct	*-57.11*	
		For >75 To 100, Deduct	*-81.58*	
		For >100, Deduct	*-97.90*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	971.18	71.85
		For >10 To 50, Deduct	*-41.37*	
		For >50 To 75, Deduct	*-57.92*	
		For >75 To 100, Deduct	*-82.75*	
		For >100, Deduct	*-99.30*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,105.76	71.85
		For >10 To 50, Deduct	*-48.10*	
		For >50 To 75, Deduct	*-67.34*	
		For >75 To 100, Deduct	*-96.21*	
		For >100, Deduct	*-115.45*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,172.86	71.85
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	1,287.33	71.85
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,339.36	71.85
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,360.17	71.85
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	1,547.48	71.85
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,015.75	71.85
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	2,171.84	71.85
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,379.96	71.85

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	819.46	71.85
		For >10 To 50, Deduct	*-33.79*	
		For >50 To 75, Deduct	*-47.30*	
		For >75 To 100, Deduct	*-67.58*	
		For >100, Deduct	*-81.09*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	947.84	71.85
		For >10 To 50, Deduct	*-40.21*	
		For >50 To 75, Deduct	*-56.29*	
		For >75 To 100, Deduct	*-80.41*	
		For >100, Deduct	*-96.50*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,017.87	71.85
		For >10 To 50, Deduct	*-43.71*	
		For >50 To 75, Deduct	*-61.19*	
		For >75 To 100, Deduct	*-87.42*	
		For >100, Deduct	*-104.90*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,274.63	71.85
		For >10 To 50, Deduct	*-56.55*	
		For >50 To 75, Deduct	*-79.16*	
		For >75 To 100, Deduct	*-113.09*	
		For >100, Deduct	*-135.71*	

23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*

23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	1,412.20	71.85

23 81 16 00-0034 Accessories *(23 81 16 00-0001)*

23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	357.35	42.07

23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)*

Note: Includes storage and cleaning.

23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	85.54	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	189.56	

23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners *(23 81 16)*

Note: Base unit excludes wall sleeve.

23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*

23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0040)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	882.05	51.33
		For >10 To 50, Deduct	*-38.97*	
		For >50 To 75, Deduct	*-54.56*	
		For >75 To 100, Deduct	*-77.94*	
		For >100, Deduct	*-93.53*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	954.89	51.33
		For >10 To 50, Deduct	*-42.61*	
		For >50 To 75, Deduct	*-59.66*	
		For >75 To 100, Deduct	*-85.23*	
		For >100, Deduct	*-102.27*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,090.17	51.33
		For >10 To 50, Deduct	*-49.38*	
		For >50 To 75, Deduct	*-69.13*	
		For >75 To 100, Deduct	*-98.75*	
		For >100, Deduct	*-118.50*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	954.89	51.33
		For >10 To 50, Deduct	*-42.61*	
		For >50 To 75, Deduct	*-59.66*	
		For >75 To 100, Deduct	*-85.23*	
		For >100, Deduct	*-102.27*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,090.17	51.33
		For >10 To 50, Deduct	*-49.38*	
		For >50 To 75, Deduct	*-69.13*	
		For >75 To 100, Deduct	*-98.75*	
		For >100, Deduct	*-118.50*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	

23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*

23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0047)*

23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,121.39	51.33
		For >10 To 50, Deduct	*-50.94*	
		For >50 To 75, Deduct	*-71.31*	
		For >75 To 100, Deduct	*-101.88*	
		For >100, Deduct	*-122.25*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,204.64	51.33
		For >10 To 50, Deduct	*-55.10*	
		For >50 To 75, Deduct	*-77.14*	
		For >75 To 100, Deduct	*-110.20*	
		For >100, Deduct	*-132.24*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	29,792.49	1,460.58
		For Liebert Unit, Add	*3,449.90*	
23 81 23 12-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	32,887.04	1,597.51
		For Liebert Unit, Add	*3,809.69*	
23 81 23 12-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	45,790.24	1,825.73
		For Liebert Unit, Add	*5,384.34*	
23 81 23 12-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	50,159.10	1,939.83
		For Liebert Unit, Add	*5,909.24*	
23 81 23 12-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	54,527.96	2,053.94
		For Liebert Unit, Add	*6,434.13*	
23 81 23 12-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	60,965.63	2,464.72
		For Liebert Unit, Add	*7,155.82*	
23 81 23 12-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	68,939.40	2,738.59
		For Liebert Unit, Add	*8,108.27*	
23 81 23 12-0009	EA	22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	72,142.04	2,828.91
		For Liebert Unit, Add	*8,489.13*	
23 81 23 12-0010	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	78,638.88	2,921.16
		For Liebert Unit, Add	*9,281.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0011	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	84,993.20	3,286.30
		For Liebert Unit, Add	*10,013.16*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	20,198.09	1,000.80
		For Liebert Unit, Add	*2,357.96*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	21,685.09	1,108.58
		For Liebert Unit, Add	*2,525.88*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,627.08	1,688.52
		For Liebert Unit, Add	*3,046.97*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,872.18	1,710.76
		For Liebert Unit, Add	*3,198.93*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	28,937.64	1,779.19
		For Liebert Unit, Add	*3,319.53*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	29,542.55	1,950.27
		For Liebert Unit, Add	*3,367.77*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	31,308.66	2,121.34
		For Liebert Unit, Add	*3,560.74*	

23 81 23 12-0020 Floor Mounted Water Source *(23 81 23 12)*

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	15,489.65	912.86
		For Liebert Unit, Add	*1,765.68*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	17,079.41	958.50
		For Liebert Unit, Add	*1,955.83*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	22,308.48	1,004.15
		For Liebert Unit, Add	*2,600.98*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	24,028.31	1,095.44
		For Liebert Unit, Add	*2,797.92*	
23 81 23 12-0025	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	26,555.84	1,186.72
		For Liebert Unit, Add	*3,096.73*	
23 81 23 12-0026	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,565.25	1,278.00
		For Liebert Unit, Add	*3,205.38*	
23 81 23 12-0027	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,766.24	1,369.30
		For Liebert Unit, Add	*3,341.20*	
23 81 23 12-0028	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	29,547.08	1,460.58
		For Liebert Unit, Add	*3,422.70*	
23 81 23 12-0029	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,740.40	1,734.43
		For Liebert Unit, Add	*3,893.54*	

23 81 23 12-0030 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0031	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	29,404.11	1,000.80
		For Liebert Unit, Add	*3,508.72*	
23 81 23 12-0032	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	31,636.44	1,108.58
		For Liebert Unit, Add	*3,769.79*	
23 81 23 12-0033	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	49,030.47	1,242.01
		For Liebert Unit, Add	*5,921.81*	
23 81 23 12-0034	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	50,548.48	1,375.46
		For Liebert Unit, Add	*6,089.32*	
23 81 23 12-0035	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	54,082.70	1,508.89
		For Liebert Unit, Add	*6,508.86*	
23 81 23 12-0036	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	64,770.19	1,710.76
		For Liebert Unit, Add	*7,809.72*	
23 81 23 12-0037	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	71,064.69	1,779.19
		For Liebert Unit, Add	*8,585.41*	
23 81 23 12-0038	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	73,649.98	1,950.27
		For Liebert Unit, Add	*8,881.20*	
23 81 23 12-0039	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	89,832.86	2,121.34
		For Liebert Unit, Add	*10,876.26*	

23 81 23 12-0040 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0041	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	1,368.61	
23 81 23 12-0042	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,140.50	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	11,895.70	433.85
		For Liebert Unit, Add	*1,405.65*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	13,131.29	521.03
		For Liebert Unit, Add	*1,543.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	14,968.08	652.07
		For Liebert Unit, Add	*1,748.81*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,411.78	760.74
		For Liebert Unit, Add	*2,158.91*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	25,072.52	826.84
		For Liebert Unit, Add	*2,979.11*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 22 07 19 00-0485 for insulation, 23 23 16 00-0001 for piping.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,894.69	225.82
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,043.85	246.35
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,588.99	273.73
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,873.77	301.10
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,587.45	328.47
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,388.62	342.15
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,924.73	364.74

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	803.23	109.49
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	846.38	116.34
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	890.42	123.17
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,016.16	130.02
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,088.01	136.86
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,370.18	164.24
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,624.35	177.92
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,261.01	191.61

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,940.56	328.47
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,019.83	392.11
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,430.58	410.58

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,952.57	273.73
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,458.20	301.10
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,874.33	355.83
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,660.74	392.11
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,251.03	410.58

23 81 26 13-0030 Ductless Split System Accessories *(23 81 26 13-0002)*

23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	8.14	0.98
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	10.50	1.08
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	13.12	1.19
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	13.63	1.83
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.61	2.02
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	26.91	2.23
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	34.00	3.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	56.64	4.04
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	63.26	4.44
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.51	3.92
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	53.43	4.31
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	83.00	4.75
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	34.00	3.68
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	56.64	4.04
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	63.26	4.44
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.12	6.13
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.81	6.74
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	77.63	7.41
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.24	1.23
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	27.27	3.68
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.53	4.04
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.58	3.68
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	33.77	4.04
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	36.34	4.44
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	121.15	4.90
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	137.44	5.39
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	74.52	18.38
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	82.27	19.60
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	112.90	20.82
23 81 26 13-0060	EA	End Cap, Set of 4	13.44	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	158.55	36.75
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	168.28	39.21
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	1.78	0.10
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	1.85	0.10

23 81 26 13-0065 Cased A/C Evaporator Coils *(23 81 26 13-0001)*

23 81 26 13-0066 Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	457.56	76.48
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	477.56	82.22
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	567.00	87.96
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	645.50	93.69
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	745.73	97.52
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	831.36	101.34
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	892.95	108.99
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	899.57	114.73

23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	558.85	78.40
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	641.93	82.80
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	734.38	87.96
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	760.99	91.13
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	796.74	95.61
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	806.79	100.57
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	816.62	105.54

23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	489.40	78.40
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	586.96	87.96
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	677.34	95.61
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	815.40	105.54

23 81 26 16 Large-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*

23 81 26 16-0002 Outdoor Units *(23 81 26 16-0001)*

23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	11,246.07	359.26
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	12,182.23	427.69
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	13,705.97	513.22
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	16,903.24	530.33
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	22,532.54	547.44
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	23,366.06	564.55
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	24,199.58	581.66
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	25,620.68	615.88
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	27,041.77	650.09
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	30,273.25	684.30
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	33,504.72	718.52

23 81 26 16-0014 Indoor Units *(23 81 26 16-0001)*

23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,144.67	111.20
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,202.77	119.75
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,254.04	128.30
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	1,315.55	136.86
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	1,421.52	162.52
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,583.55	196.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	1,715.45	213.85
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	1,669.04	122.31
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	1,725.42	131.73
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	1,819.40	141.14
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	1,974.85	150.54
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	2,079.12	178.77
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	2,277.36	216.41
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	2,395.24	225.82
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	2,526.78	235.23
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	2,802.69	258.75
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	3,107.21	284.62
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	3,362.25	313.09
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	4,275.41	344.40
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	4,856.66	378.84
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	1,896.59	141.14
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	1,999.44	150.54
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	2,105.76	178.77
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	2,356.61	216.41
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	2,538.40	235.23
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	3,113.53	258.75
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	1,706.61	122.31
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	1,793.74	131.73
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	1,928.70	141.14
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,029.50	150.54
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,575.12	131.73
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,655.44	141.14
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,739.16	150.54

23 81 26 16-0048 Controllers For Outdoor Units *(23 81 26 16-0001)*

23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	6,114.65	102.64
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	7,071.14	119.75
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,812.44	136.86
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	9,274.45	153.97
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	3,405.80	68.43
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	5,247.03	102.64
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	8,020.84	153.97

23 81 26 16-0056 Energy Recovery Units *(23 81 26 16-0001)*

23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	4,317.93	102.64
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	8,198.30	102.64
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	8,311.08	119.75
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,708.19	85.54
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,183.00	88.96
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,606.57	92.38
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	4,772.24	102.64

23 81 26 16-0064 Piping Specialties *(23 81 26 16-0001)*

23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	608.02	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	159.81	29.05
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	159.81	29.05
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	177.30	30.58
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	222.51	34.41
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	290.68	49.70
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	492.54	99.39
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	89.37	12.23
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	100.59	16.82

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,695.78	110.89
		For Unit Economizer, Add	*228.83*	
		For >35 To 70, Deduct	*-44.44*	
		For >70 To 100, Deduct	*-74.07*	
		For >100, Deduct	*-103.70*	
		For Low Ambient Protection, 0 Degree F, Add	*186.92*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,875.17	118.28
		For Unit Economizer, Add	*253.36*	
		For >35 To 70, Deduct	*-49.38*	
		For >70 To 100, Deduct	*-82.30*	
		For >100, Deduct	*-115.22*	
		For Low Ambient Protection, 0 Degree F, Add	*205.43*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,257.81	118.28
		For Unit Economizer, Add	*446.93*	
		For >35 To 70, Deduct	*-90.86*	
		For >70 To 100, Deduct	*-151.43*	
		For >100, Deduct	*-212.00*	
		For Low Ambient Protection, 0 Degree F, Add	*329.87*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,568.87	118.28
		For Unit Economizer, Add	*489.88*	
		For >35 To 70, Deduct	*-99.75*	
		For >70 To 100, Deduct	*-166.25*	
		For >100, Deduct	*-232.74*	
		For Low Ambient Protection, 0 Degree F, Add	*160.74*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,044.54	125.68
		For Unit Economizer, Add	*555.89*	
		For >35 To 70, Deduct	*-113.57*	
		For >70 To 100, Deduct	*-189.29*	
		For >100, Deduct	*-265.01*	
		For Low Ambient Protection, 0 Degree F, Add	*178.26*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,242.06	133.06
		For Unit Economizer, Add	*583.54*	
		For >35 To 70, Deduct	*-119.50*	
		For >70 To 100, Deduct	*-199.17*	
		For >100, Deduct	*-278.83*	
		For Low Ambient Protection, 0 Degree F, Add	*582.52*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,783.56	133.06
		For Unit Economizer, Add	*658.76*	
		For >35 To 70, Deduct	*-135.30*	
		For >70 To 100, Deduct	*-225.50*	
		For >100, Deduct	*-315.70*	
		For Low Ambient Protection, 0 Degree F, Add	*654.69*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,284.75	140.46
		For Unit Economizer, Add	*728.63*	
		For >35 To 70, Deduct	*-150.12*	
		For >70 To 100, Deduct	*-250.19*	
		For >100, Deduct	*-350.27*	
		For Low Ambient Protection, 0 Degree F, Add	*720.73*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,086.26	162.63
		For Unit Economizer, Add	*839.07*	
		For >35 To 70, Deduct	*-172.83*	
		For >70 To 100, Deduct	*-288.05*	
		For >100, Deduct	*-403.27*	
		For Low Ambient Protection, 0 Degree F, Add	*830.25*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	11,222.49	192.20
		For Unit Economizer, Add	*1,555.48*	
		For >35 To 70, Deduct	*-324.92*	
		For >70 To 100, Deduct	*-541.53*	
		For >100, Deduct	*-758.15*	
		For Low Ambient Protection, 0 Degree F, Add	*1,505.94*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,453.38	243.95
		For Unit Economizer, Add	*2,003.66*	
		For >35 To 70, Deduct	*-418.74*	
		For >70 To 100, Deduct	*-697.90*	
		For >100, Deduct	*-977.07*	
		For Low Ambient Protection, 0 Degree F, Add	*263.40*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	17,665.45	273.52
		For Unit Economizer, Add	*2,451.28*	
		For >35 To 70, Deduct	*-513.55*	
		For >70 To 100, Deduct	*-855.92*	
		For >100, Deduct	*-1,198.29*	
		For Low Ambient Protection, 0 Degree F, Add	*307.94*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	21,814.06	310.48
		For Unit Economizer, Add	*3,029.43*	
		For >35 To 70, Deduct	*-636.01*	
		For >70 To 100, Deduct	*-1,060.02*	
		For >100, Deduct	*-1,484.03*	
		For Low Ambient Protection, 0 Degree F, Add	*365.40*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,108.22	332.66
		For Unit Economizer, Add	*4,048.54*	
		For >35 To 70, Deduct	*-853.29*	
		For >70 To 100, Deduct	*-1,422.15*	
		For >100, Deduct	*-1,991.00*	
		For Low Ambient Protection, 0 Degree F, Add	*450.76*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	35,092.96	362.23
		For Unit Economizer, Add	*4,884.04*	
		For >35 To 70, Deduct	*-1,031.06*	
		For >70 To 100, Deduct	*-1,718.43*	
		For >100, Deduct	*-2,405.80*	
		For Low Ambient Protection, 0 Degree F, Add	*524.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0017		**Single Package Vertical Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.		
23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	2,611.99	147.85
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,186.60	162.63
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,146.87	170.03
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,761.15	184.81
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,964.84	214.38
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,364.91	243.95
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,904.19	273.52
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,771.97	303.09
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,748.65	362.23
23 81 43 00-0027		**Heat Pump, Room Air-Conditioners** *(23 81 43)* Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028		**Heat Pump, Window Unit, Room Air-Conditioners** *(23 81 43 00-0027)*		
23 81 43 00-0029		**Heat Pump, Window Unit, Room Air-Conditioners (Friedrich)** *(23 81 43 00-0028)*		
23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	1,443.42	71.85
		For >10 To 50, Deduct	*-64.99*	
		For >50 To 75, Deduct	*-90.98*	
		For >75 To 100, Deduct	*-129.97*	
		For >100, Deduct	*-155.97*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	1,630.73	71.85
		For >10 To 50, Deduct	*-74.35*	
		For >50 To 75, Deduct	*-104.09*	
		For >75 To 100, Deduct	*-148.70*	
		For >100, Deduct	*-178.44*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	1,911.69	71.85
		For >10 To 50, Deduct	*-88.40*	
		For >50 To 75, Deduct	*-123.76*	
		For >75 To 100, Deduct	*-176.80*	
		For >100, Deduct	*-212.16*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	2,223.87	71.85
		For >10 To 50, Deduct	*-104.01*	
		For >50 To 75, Deduct	*-145.61*	
		For >75 To 100, Deduct	*-208.02*	
		For >100, Deduct	*-249.62*	
23 81 43 00-0034		**Heat Pump, Through-The-Wall, Room Air-Conditioners** *(23 81 43 00-0027)* Note: Base unit excludes wall sleeve.		
23 81 43 00-0035		**Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 43 00-0034)*		
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,454.38	51.33
		For >10 To 50, Deduct	*-67.59*	
		For >50 To 75, Deduct	*-94.62*	
		For >75 To 100, Deduct	*-135.17*	
		For >100, Deduct	*-162.21*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	1,454.38	51.33
		For >10 To 50, Deduct	*-67.59*	
		For >50 To 75, Deduct	*-94.62*	
		For >75 To 100, Deduct	*-135.17*	
		For >100, Deduct	*-162.21*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*210.82*	
23 81 46		**Water-Source Unitary Heat Pumps** *(23 81)*		
23 81 46 00-0001		**Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps** *(23 81 46)* Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,018.34	152.97
23 81 46 00-0003	EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,081.25	152.97
23 81 46 00-0004	EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,404.00	168.27
23 81 46 00-0005	EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,533.84	183.56
23 81 46 00-0006	EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,718.20	198.86
23 81 46 00-0007	EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,196.11	214.16
23 81 46 00-0008	EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,268.64	229.45
23 81 46 00-0009	EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,564.85	244.75
23 81 46 00-0010	EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,805.12	260.04
23 81 46 00-0011	EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,870.65	275.34
23 81 49		**Split System Heat Pumps** *(23 81)*		
23 81 49 00-0001		**Air Cooled, Outdoor Section** *(23 81 49)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,097.20	219.55
		For Low Ambient Protection, 0 Degree F, Add	*553.14*	
		For Winterstart Control, Add	*143.85*	
		For 16 SEER, Add	*801.72*	
		For 18 SEER, Add	*1,216.40*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,188.04	243.95
		For Low Ambient Protection, 0 Degree F, Add	*571.54*	
		For Winterstart Control, Add	*149.70*	
		For 16 SEER, Add	*817.34*	
		For 18 SEER, Add	*1,240.10*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,477.57	283.13
		For Low Ambient Protection, 0 Degree F, Add	*625.49*	
		For Winterstart Control, Add	*164.83*	
		For 16 SEER, Add	*884.15*	
		For 18 SEER, Add	*1,341.47*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,790.60	325.26
		For Low Ambient Protection, 0 Degree F, Add	*518.94*	
		For Winterstart Control, Add	*181.20*	
		For 16 SEER, Add	*956.35*	
		For 18 SEER, Add	*1,451.01*	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,909.85	337.83
		For Low Ambient Protection, 0 Degree F, Add	*535.71*	
		For Winterstart Control, Add	*187.10*	
		For 16 SEER, Add	*985.44*	
		For 18 SEER, Add	*1,495.16*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,346.39	388.10
		For Low Ambient Protection, 0 Degree F, Add	*593.64*	
		For Winterstart Control, Add	*207.12*	
		For 16 SEER, Add	*1,099.67*	
		For 18 SEER, Add	*1,668.46*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,953.63	426.91
		For Low Ambient Protection, 0 Degree F, Add	*369.66*	
		For Winterstart Control, Add	*104.43*	
		For 16 SEER, Add	*1,259.69*	
		For 18 SEER, Add	*1,911.25*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,778.99	479.02
		For Low Ambient Protection, 0 Degree F, Add	*425.81*	
		For Winterstart Control, Add	*119.38*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	8,034.83	574.81
		For Low Ambient Protection, 0 Degree F, Add	*286.22*	
		For Winterstart Control, Add	*154.37*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	10,609.87	670.61
		For Low Ambient Protection, 0 Degree F, Add	*319.53*	
		For Winterstart Control, Add	*192.11*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	19,291.99	718.52
		For Low Ambient Protection, 0 Degree F, Add	*337.17*	
		For Winterstart Control, Add	*285.28*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	990.24	73.23
		For Additional 5 KW Electric Heat, Add	*91.67*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,085.14	91.22
		For Additional 5 KW Electric Heat, Add	*99.39*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,123.41	110.18
		For Additional 5 KW Electric Heat, Add	*101.30*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,526.66	128.99
		For Additional 5 KW Electric Heat, Add	*139.75*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,559.63	145.41
		For Additional 5 KW Electric Heat, Add	*141.40*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,726.55	166.97
		For Additional 5 KW Electric Heat, Add	*155.97*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	3,736.58	273.73
		For Additional 5 KW Electric Heat, Add	*346.29*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	5,569.76	307.93
		For Additional 5 KW Electric Heat, Add	*526.18*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	7,870.86	342.15
		For Additional 5 KW Electric Heat, Add	*752.87*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	8,931.94	410.58
		For Additional 5 KW Electric Heat, Add	*852.13*	

23 81 49 00-0024 Ductless Split System Heat Pumps *(23 81 49)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,074.24	225.82
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,289.83	246.35
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,818.81	273.73
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,255.31	301.10
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,730.49	328.47
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,525.08	342.15
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,072.86	364.74
23 81 49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	842.73	109.49
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	886.78	116.34
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	931.72	123.17
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,070.92	130.02
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,141.87	136.86
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,702.34	164.24
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,221.34	177.92
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,344.57	191.61
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,084.20	328.47
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,167.96	392.11
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,520.35	410.58
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,311.67	273.73
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,760.73	301.10
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,017.97	355.83
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,808.87	392.11
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,340.81	410.58

23 82 Convection Heating And Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	680.29	38.24
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,115.21	52.00
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,515.71	81.84
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,855.45	117.02
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,994.61	143.79
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,248.48	174.38
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,429.02	201.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,649.84	356.73
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,566.71	135.61
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,061.44	230.90
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,314.14	286.82
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,585.39	346.40
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,845.48	403.38
23 82 16 11-0016		**4 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	851.51	79.54
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,358.86	114.73
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,882.13	191.21
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,343.13	283.75
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,725.70	348.00
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,249.37	425.26
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,650.05	510.15
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,647.90	593.83
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,196.78	256.30
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,850.46	385.49
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,186.98	478.03
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,612.26	575.93
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,996.84	673.29
23 82 16 11-0030		**6 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,193.40	100.96
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,430.49	149.91
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,986.54	255.46
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,726.01	382.42
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,563.25	478.03
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,083.81	588.17
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,759.21	695.25
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,648.44	810.20
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,773.19	350.22
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,609.93	525.30
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,117.43	657.76
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,608.41	790.16
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,100.44	919.27
23 82 16 11-0044		**8 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,488.71	121.61
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,849.73	186.63
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,799.28	332.71
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,765.41	510.15
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,539.51	637.88
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,290.50	764.85
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,060.35	849.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,377.77	985.65
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,185.51	426.78
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,162.53	641.63
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,752.32	799.27
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,318.79	956.06
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,919.18	1,124.78

23 82 16 11-0058 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

23 82 16 11-0059 1 Row Hot Water Heating Coils *(23 82 16 11-0058)*

23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	714.31	103.25
		For 10 Fins Per Inch, Add	*10.15*	
		For 12 Fins Per Inch, Add	*25.38*	
		For 230 PSIG Heavy Duty, Add	*163.53*	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	1,048.20	132.31
		For 10 Fins Per Inch, Add	*15.69*	
		For 12 Fins Per Inch, Add	*39.22*	
		For 230 PSIG Heavy Duty, Add	*236.01*	
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	1,287.12	182.03
		For 10 Fins Per Inch, Add	*18.46*	
		For 12 Fins Per Inch, Add	*46.15*	
		For 230 PSIG Heavy Duty, Add	*293.85*	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,548.16	255.46
		For 10 Fins Per Inch, Add	*20.77*	
		For 12 Fins Per Inch, Add	*51.91*	
		For 230 PSIG Heavy Duty, Add	*360.62*	
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,765.50	305.94
		For 10 Fins Per Inch, Add	*23.07*	
		For 12 Fins Per Inch, Add	*57.68*	
		For 230 PSIG Heavy Duty, Add	*414.29*	
23 82 16 11-0065	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	2,079.98	382.42
		For 10 Fins Per Inch, Add	*26.30*	
		For 12 Fins Per Inch, Add	*65.76*	
		For 230 PSIG Heavy Duty, Add	*492.48*	
23 82 16 11-0066	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	2,326.47	424.49
		For 10 Fins Per Inch, Add	*29.53*	
		For 12 Fins Per Inch, Add	*73.83*	
		For 230 PSIG Heavy Duty, Add	*550.28*	
23 82 16 11-0067	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	2,862.44	493.56
		For 10 Fins Per Inch, Add	*37.43*	
		For 12 Fins Per Inch, Add	*93.59*	
		For 230 PSIG Heavy Duty, Add	*671.56*	
23 82 16 11-0068	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	1,235.88	213.85
		For 10 Fins Per Inch, Add	*16.16*	
		For 12 Fins Per Inch, Add	*40.41*	
		For 230 PSIG Heavy Duty, Add	*289.95*	
23 82 16 11-0069	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,853.81	320.86
		For 10 Fins Per Inch, Add	*24.24*	
		For 12 Fins Per Inch, Add	*60.61*	
		For 230 PSIG Heavy Duty, Add	*434.93*	
23 82 16 11-0070	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	2,788.86	485.29
		For 10 Fins Per Inch, Add	*36.36*	
		For 12 Fins Per Inch, Add	*90.91*	
		For 230 PSIG Heavy Duty, Add	*654.83*	
23 82 16 11-0071	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	3,246.04	562.39
		For 10 Fins Per Inch, Add	*42.43*	
		For 12 Fins Per Inch, Add	*106.06*	
		For 230 PSIG Heavy Duty, Add	*761.69*	
23 82 16 11-0072	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	149.50	28.29
		For 10 Fins Per Inch, Add	*1.86*	
		For 12 Fins Per Inch, Add	*4.64*	
		For 230 PSIG Heavy Duty, Add	*35.56*	

23 82 16 11-0073 2 Row Hot Water Heating Coils *(23 82 16 11-0058)*

23 82 16 11-0074	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	1,131.70	127.73
		For 10 Fins Per Inch, Add	*17.54*	
		For 12 Fins Per Inch, Add	*43.84*	
		For 230 PSIG Heavy Duty, Add	*251.84*	
23 82 16 11-0075	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	1,239.76	169.80
		For 10 Fins Per Inch, Add	*18.00*	
		For 12 Fins Per Inch, Add	*44.99*	
		For 230 PSIG Heavy Duty, Add	*281.95*	
23 82 16 11-0076	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	1,686.60	255.46
		For 10 Fins Per Inch, Add	*23.53*	
		For 12 Fins Per Inch, Add	*58.84*	
		For 230 PSIG Heavy Duty, Add	*388.31*	
23 82 16 11-0077	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,066.62	364.06
		For 10 Fins Per Inch, Add	*26.76*	
		For 12 Fins Per Inch, Add	*66.91*	
		For 230 PSIG Heavy Duty, Add	*486.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0078	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,399.53	449.73
		For 10 Fins Per Inch, Add	*29.99*	
		For 12 Fins Per Inch, Add	*74.99*	
		For 230 PSIG Heavy Duty, Add	*569.89*	
23 82 16 11-0079	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	2,592.35	546.10
		For 10 Fins Per Inch, Add	*29.99*	
		For 12 Fins Per Inch, Add	*74.99*	
		For 230 PSIG Heavy Duty, Add	*627.73*	
23 82 16 11-0080	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	2,935.97	637.88
		For 10 Fins Per Inch, Add	*33.22*	
		For 12 Fins Per Inch, Add	*83.06*	
		For 230 PSIG Heavy Duty, Add	*714.67*	
23 82 16 11-0081	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	3,587.94	741.14
		For 10 Fins Per Inch, Add	*42.11*	
		For 12 Fins Per Inch, Add	*105.28*	
		For 230 PSIG Heavy Duty, Add	*865.81*	
23 82 16 11-0082	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	1,548.62	319.78
		For 10 Fins Per Inch, Add	*18.18*	
		For 12 Fins Per Inch, Add	*45.46*	
		For 230 PSIG Heavy Duty, Add	*373.68*	
23 82 16 11-0083	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,324.54	480.40
		For 10 Fins Per Inch, Add	*27.27*	
		For 12 Fins Per Inch, Add	*68.18*	
		For 230 PSIG Heavy Duty, Add	*561.00*	
23 82 16 11-0084	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	3,494.07	724.31
		For 10 Fins Per Inch, Add	*40.91*	
		For 12 Fins Per Inch, Add	*102.28*	
		For 230 PSIG Heavy Duty, Add	*843.67*	
23 82 16 11-0085	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	4,078.58	846.07
		For 10 Fins Per Inch, Add	*47.73*	
		For 12 Fins Per Inch, Add	*119.32*	
		For 230 PSIG Heavy Duty, Add	*984.93*	
23 82 16 11-0086		Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*		
		Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	915.80	97.14
23 82 16 11-0088	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,155.75	96.37
23 82 16 11-0089	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,408.80	103.25
23 82 16 11-0090	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,632.38	112.43
23 82 16 11-0091	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,642.76	117.78
23 82 16 11-0092	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,977.16	123.90
23 82 16 11-0093	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,054.70	139.21
23 82 16 11-0094	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,273.34	156.02
23 82 16 11-0095	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,564.98	186.63
23 82 16 11-0096	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,791.77	195.80
23 82 16 11-0097	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,551.29	207.27
23 82 16 11-0098	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,535.02	283.75
23 82 16 11-0099	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,692.82	348.00
23 82 16 11-0100	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,607.29	364.06
23 82 16 11-0101	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	7,760.04	424.49
23 82 16 12		**Steam Air Coils** *(23 82 16)*		
23 82 16 12-0001		Steam Heating Coils *(23 82 16 12)*		
		Note: Flanged construction.		
23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	789.00	71.90
		For 2 Row Coil, Add	*265.29*	
		For 4 Row Coil, Add	*692.68*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	890.83	99.43
		For 2 Row Coil, Add	*306.98*	
		For 4 Row Coil, Add	*798.09*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	1,209.42	178.21
		For 2 Row Coil, Add	*433.97*	
		For 4 Row Coil, Add	*1,120.50*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,548.16	255.46
		For 2 Row Coil, Add	*566.43*	
		For 4 Row Coil, Add	*1,457.79*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,742.43	305.94
		For 2 Row Coil, Add	*645.11*	
		For 4 Row Coil, Add	*1,657.05*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	1,987.69	382.42
		For 2 Row Coil, Add	*749.28*	
		For 4 Row Coil, Add	*1,919.04*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,188.03	424.49
		For 2 Row Coil, Add	*826.38*	
		For 4 Row Coil, Add	*2,115.85*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	2,686.95	495.39
		For 2 Row Coil, Add	*1,004.23*	
		For 4 Row Coil, Add	*2,575.57*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	1,160.11	213.85
		For 2 Row Coil, Add	*433.59*	
		For 4 Row Coil, Add	*1,112.03*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,740.17	320.86
		For 2 Row Coil, Add	*650.38*	
		For 4 Row Coil, Add	*1,668.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,608.63	480.40
		For 2 Row Coil, Add	*974.76*	
		For 4 Row Coil, Add	*2,500.08*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	3,047.17	562.39
		For 2 Row Coil, Add	*1,139.11*	
		For 4 Row Coil, Add	*2,921.39*	

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	581.07	57.37
		For 10 Fins Per Inch, Add	*9.32*	
		For 12 Fins Per Inch, Add	*23.30*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,089.83	78.78
		For 10 Fins Per Inch, Add	*18.64*	
		For 12 Fins Per Inch, Add	*46.61*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,515.71	123.90
		For 10 Fins Per Inch, Add	*25.38*	
		For 12 Fins Per Inch, Add	*63.45*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,855.45	178.21
		For 10 Fins Per Inch, Add	*29.99*	
		For 12 Fins Per Inch, Add	*74.99*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,167.50	217.98
		For 10 Fins Per Inch, Add	*34.61*	
		For 12 Fins Per Inch, Add	*86.52*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,442.50	263.87
		For 10 Fins Per Inch, Add	*38.30*	
		For 12 Fins Per Inch, Add	*95.75*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,803.77	305.94
		For 10 Fins Per Inch, Add	*43.84*	
		For 12 Fins Per Inch, Add	*109.59*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,491.80	356.73
		For 10 Fins Per Inch, Add	*55.57*	
		For 12 Fins Per Inch, Add	*138.92*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,339.37	135.61
		For 10 Fins Per Inch, Add	*21.36*	
		For 12 Fins Per Inch, Add	*53.41*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,780.73	230.90
		For 10 Fins Per Inch, Add	*26.38*	
		For 12 Fins Per Inch, Add	*65.94*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,253.26	346.40
		For 10 Fins Per Inch, Add	*31.21*	
		For 12 Fins Per Inch, Add	*78.02*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,487.66	403.38
		For 10 Fins Per Inch, Add	*33.62*	
		For 12 Fins Per Inch, Add	*84.04*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	950.73	79.54
		For 10 Fins Per Inch, Add	*15.83*	
		For 12 Fins Per Inch, Add	*39.57*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,358.86	114.73
		For 10 Fins Per Inch, Add	*22.61*	
		For 12 Fins Per Inch, Add	*56.53*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,882.13	191.21
		For 10 Fins Per Inch, Add	*29.99*	
		For 12 Fins Per Inch, Add	*74.99*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,343.13	283.75
		For 10 Fins Per Inch, Add	*35.53*	
		For 12 Fins Per Inch, Add	*88.83*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,725.70	348.00
		For 10 Fins Per Inch, Add	*40.61*	
		For 12 Fins Per Inch, Add	*101.52*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,249.37	425.26
		For 10 Fins Per Inch, Add	*47.99*	
		For 12 Fins Per Inch, Add	*119.98*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,650.05	510.15
		For 10 Fins Per Inch, Add	*52.61*	
		For 12 Fins Per Inch, Add	*131.51*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,647.90	593.83
		For 10 Fins Per Inch, Add	*49.21*	
		For 12 Fins Per Inch, Add	*123.01*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,196.78	256.30
		For 10 Fins Per Inch, Add	*33.68*	
		For 12 Fins Per Inch, Add	*84.21*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,850.46	385.49
		For 10 Fins Per Inch, Add	*41.59*	
		For 12 Fins Per Inch, Add	*103.97*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,386.28	678.04
		For 10 Fins Per Inch, Add	*60.60*	
		For 12 Fins Per Inch, Add	*151.51*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,033.90	790.16
		For 10 Fins Per Inch, Add	*69.07*	
		For 12 Fins Per Inch, Add	*172.68*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0028		6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,216.47	100.19
		For 10 Fins Per Inch, Add	*20.30*	
		For 12 Fins Per Inch, Add	*50.76*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,430.49	149.91
		For 10 Fins Per Inch, Add	*22.61*	
		For 12 Fins Per Inch, Add	*56.53*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,101.90	255.46
		For 10 Fins Per Inch, Add	*31.84*	
		For 12 Fins Per Inch, Add	*79.60*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,726.01	382.42
		For 10 Fins Per Inch, Add	*39.22*	
		For 12 Fins Per Inch, Add	*98.06*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,563.25	478.03
		For 10 Fins Per Inch, Add	*52.14*	
		For 12 Fins Per Inch, Add	*130.36*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,083.81	588.17
		For 10 Fins Per Inch, Add	*58.14*	
		For 12 Fins Per Inch, Add	*145.36*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,759.21	695.25
		For 10 Fins Per Inch, Add	*67.37*	
		For 12 Fins Per Inch, Add	*168.43*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,648.44	810.20
		For 10 Fins Per Inch, Add	*60.56*	
		For 12 Fins Per Inch, Add	*151.40*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,773.19	350.22
		For 10 Fins Per Inch, Add	*41.46*	
		For 12 Fins Per Inch, Add	*103.64*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,609.93	525.30
		For 10 Fins Per Inch, Add	*51.19*	
		For 12 Fins Per Inch, Add	*127.97*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,595.46	783.66
		For 10 Fins Per Inch, Add	*60.56*	
		For 12 Fins Per Inch, Add	*151.41*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,100.44	919.27
		For 10 Fins Per Inch, Add	*65.24*	
		For 12 Fins Per Inch, Add	*163.09*	
23 82 16 13-0041		8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,511.79	120.85
		For 10 Fins Per Inch, Add	*25.38*	
		For 12 Fins Per Inch, Add	*63.45*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,849.73	186.63
		For 10 Fins Per Inch, Add	*29.53*	
		For 12 Fins Per Inch, Add	*73.83*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,799.28	332.71
		For 10 Fins Per Inch, Add	*42.68*	
		For 12 Fins Per Inch, Add	*106.71*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,765.41	510.15
		For 10 Fins Per Inch, Add	*54.91*	
		For 12 Fins Per Inch, Add	*137.28*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,539.51	637.88
		For 10 Fins Per Inch, Add	*65.30*	
		For 12 Fins Per Inch, Add	*163.24*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,290.50	764.85
		For 10 Fins Per Inch, Add	*75.22*	
		For 12 Fins Per Inch, Add	*188.04*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,060.35	849.74
		For 10 Fins Per Inch, Add	*87.21*	
		For 12 Fins Per Inch, Add	*218.04*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,377.77	985.65
		For 10 Fins Per Inch, Add	*68.13*	
		For 12 Fins Per Inch, Add	*170.33*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,185.51	426.78
		For 10 Fins Per Inch, Add	*46.64*	
		For 12 Fins Per Inch, Add	*116.59*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,162.53	641.63
		For 10 Fins Per Inch, Add	*57.58*	
		For 12 Fins Per Inch, Add	*143.96*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,338.10	965.69
		For 10 Fins Per Inch, Add	*68.13*	
		For 12 Fins Per Inch, Add	*170.33*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,919.18	1,124.78
		For 10 Fins Per Inch, Add	*73.39*	
		For 12 Fins Per Inch, Add	*183.48*	
23 82 16 14		**Electric-Resistance Air Coils** *(23 82 16)*		
23 82 16 14-0001		Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*		
23 82 16 14-0002		Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*		
23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	278.26	52.69
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	287.03	56.80
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	297.40	62.28
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	300.89	64.32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	309.84	68.43
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	320.15	73.90
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	367.88	82.80
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	376.23	86.91
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	383.07	89.64
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	393.08	95.11
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	428.97	100.59
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	448.45	110.18
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	467.80	119.75
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	487.70	129.33
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	655.00	180.66
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,136.70	192.29
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,251.67	220.34
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,474.88	244.30
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,549.87	265.51
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,698.27	291.51
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,074.69	311.36
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,277.33	334.62
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,753.87	361.31
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,098.02	392.79

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	728.32	75.27
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	759.87	82.12
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	777.52	82.12
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	811.14	90.32
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,105.92	90.32
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,134.16	90.32
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,149.37	100.59
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,168.37	112.91
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,184.26	112.91
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,376.40	129.33
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,651.76	129.33
23 82 16 14-0039	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,795.54	150.54
23 82 16 14-0040	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,446.88	150.54

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,664.50	123.90
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.34*	
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,826.61	144.56
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.43*	
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,020.65	162.92
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.27*	
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,345.66	186.63
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.65*	
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,642.19	195.80
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.42*	
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,649.67	207.27
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.01*	
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,456.69	224.87
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.74*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	870.85	123.90
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.34*	
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,065.32	144.56
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.43*	
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,271.69	162.92
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.27*	
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,530.59	186.63
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.65*	
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,857.94	196.56
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.42*	
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,957.89	207.27
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.01*	
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,042.29	224.87
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.74*	

23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0018)*

23 82 19 00-0020	EA	200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,602.86	123.14
		For Fan Coil Units Without Cabinet, Deduct	*-215.76*	
		For Thru-Wall Sleeve, Add	*104.34*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0021	EA	300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,829.69	144.56
		For Fan Coil Units Without Cabinet, Deduct	*-245.59*	
		For Thru-Wall Sleeve, Add	*112.72*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.43*	
23 82 19 00-0022	EA	400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,174.75	162.92
		For Fan Coil Units Without Cabinet, Deduct	*-293.67*	
		For Thru-Wall Sleeve, Add	*120.09*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.27*	
23 82 19 00-0023	EA	600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,499.76	186.63
		For Fan Coil Units Without Cabinet, Deduct	*-337.66*	
		For Thru-Wall Sleeve, Add	*129.62*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.65*	
23 82 19 00-0024	EA	800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,827.12	196.56
		For Fan Coil Units Without Cabinet, Deduct	*-384.85*	
		For Thru-Wall Sleeve, Add	*133.45*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.42*	
23 82 19 00-0025	EA	1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,649.67	207.27
		For Fan Coil Units Without Cabinet, Deduct	*-506.11*	
		For Thru-Wall Sleeve, Add	*137.69*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.01*	
23 82 19 00-0026	EA	1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,302.58	224.87
		For Fan Coil Units Without Cabinet, Deduct	*-600.40*	
		For Thru-Wall Sleeve, Add	*144.98*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.74*	

23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0018)*

23 82 19 00-0028	EA	200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,787.79	123.14
		For Fan Coil Units Without Cabinet, Deduct	*-243.50*	
		For Thru-Wall Sleeve, Add	*104.34*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.34*	
23 82 19 00-0029	EA	300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,014.62	144.56
		For Fan Coil Units Without Cabinet, Deduct	*-273.33*	
		For Thru-Wall Sleeve, Add	*112.72*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.43*	
23 82 19 00-0030	EA	400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,482.97	162.92
		For Fan Coil Units Without Cabinet, Deduct	*-339.90*	
		For Thru-Wall Sleeve, Add	*120.09*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.27*	
23 82 19 00-0031	EA	600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,838.80	186.63
		For Fan Coil Units Without Cabinet, Deduct	*-388.51*	
		For Thru-Wall Sleeve, Add	*129.62*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.65*	
23 82 19 00-0032	EA	800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,166.15	196.56
		For Fan Coil Units Without Cabinet, Deduct	*-435.70*	
		For Thru-Wall Sleeve, Add	*133.45*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.42*	
23 82 19 00-0033	EA	1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,803.78	207.27
		For Fan Coil Units Without Cabinet, Deduct	*-529.22*	
		For Thru-Wall Sleeve, Add	*137.69*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.01*	
23 82 19 00-0034	EA	1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,456.69	224.87
		For Fan Coil Units Without Cabinet, Deduct	*-623.51*	
		For Thru-Wall Sleeve, Add	*144.98*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.74*	

23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0036	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	325.19	

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	22.93	
23 82 29 00-0003	EA	Cap Radiator	34.76	

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	43.25	
		For Wall Support Bracket, Add	*24.43*	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	62.76	
		For Wall Support Bracket, Add	*25.42*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	73.51	
		For Wall Support Bracket, Add	*26.10*	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	93.50	
		For Wall Support Bracket, Add	*27.11*	

23 82 29 00-0009 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0010	SF	14 Gauge Stainless Steel Radiator Cover	76.47	3.72
23 82 29 00-0011	SF	Primed And Painted, Galvanized Steel Radiator Cover	47.70	3.72

23 82 29 00-0012 Radiator Shields *(23 82 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0013	SF	Stainless Steel Radiator Shield	46.52	3.72
23 82 29 00-0014	SF	Primed And Painted, Galvanized Steel Radiator Shield	25.99	3.72
23 82 29 00-0015		**Remove And Reinstall Radiator** *(23 82 29)* Note: Includes storage and cleaning.		
23 82 29 00-0016	LF	Removal And Reinstallation Of Cast Iron Radiator	57.37	
23 82 29 00-0017	LF	Removal And Reinstallation Of Electric Radiator	38.24	
23 82 29 00-0018		**Security Radiator Enclosures** *(23 82 29)* Note: Includes mounting brackets, support strips, corners, tamper proof fasteners, end caps and standard enamel color finishes. Excludes finned tube. Material is cold rolled steel as manufactured by Vulcan.		
23 82 29 00-0019		**12 Gage Security Radiator Enclosures** *(23 82 29 00-0018)* Note: Excludes finned tube.		
23 82 29 00-0020	LF	12" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front	154.84	33.27
23 82 29 00-0021	LF	18" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front	172.14	36.97
23 82 29 00-0022		**14 Gage Security Radiator Enclosures** *(23 82 29 00-0018)* Note: Excludes finned tube.		
23 82 29 00-0023	LF	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Sloped Front	135.00	33.27
23 82 29 00-0024	LF	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Sloped Front	135.00	33.27
23 82 29 00-0025	LF	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Square Front	144.92	33.27
23 82 29 00-0026	LF	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Square Front	144.92	33.27
23 82 29 00-0027		**Finned Tube Element** *(23 82 29 00-0018)* Note: As manufactured by Vulcan.		
23 82 29 00-0028	LF	Vulcan Fin Tube Element With Hangers Note: 1" or 1-1/4" x 4-1/4" x 48"/.020 as manufactured by Vulcan Radiator Company.	69.37	22.18

23 82 33 Convectors *(23 82)*

23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	414.68	84.13
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*44.24*	
		For Snap-On Inlet Grille, Add	*35.50*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*100.52*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	490.09	91.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*47.72*	
		For Snap-On Inlet Grille, Add	*37.81*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*122.86*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	563.30	108.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*55.32*	
		For Snap-On Inlet Grille, Add	*42.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*139.61*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	675.26	126.20
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*63.36*	
		For Snap-On Inlet Grille, Add	*48.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*169.42*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	805.06	151.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*74.82*	
		For Snap-On Inlet Grille, Add	*55.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*201.48*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	906.48	166.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*81.70*	
		For Snap-On Inlet Grille, Add	*60.47*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*228.95*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,051.57	201.92
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*97.75*	
		For Snap-On Inlet Grille, Add	*71.17*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*261.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,149.20	214.54
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*103.49*	
		For Snap-On Inlet Grille, Add	*74.99*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*288.48*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,252.82	239.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*114.95*	
		For Snap-On Inlet Grille, Add	*82.64*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*311.37*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,382.68	265.02
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*126.44*	
		For Snap-On Inlet Grille, Add	*90.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*343.43*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,486.31	290.26
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.90*	
		For Snap-On Inlet Grille, Add	*97.93*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*366.32*	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	485.10	110.67
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*55.79*	
		For Snap-On Inlet Grille, Add	*43.20*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*111.69*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	569.88	128.57
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*63.83*	
		For Snap-On Inlet Grille, Add	*48.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*132.00*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	690.46	150.98
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*73.89*	
		For Snap-On Inlet Grille, Add	*55.26*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*162.46*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	811.15	168.34
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*81.68*	
		For Snap-On Inlet Grille, Add	*60.45*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*195.61*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	948.31	189.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*91.11*	
		For Snap-On Inlet Grille, Add	*66.74*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*232.62*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,062.66	205.06
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*98.22*	
		For Snap-On Inlet Grille, Add	*71.48*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*264.34*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,211.83	233.66
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*111.25*	
		For Snap-On Inlet Grille, Add	*80.17*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*301.35*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,323.62	247.96
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*117.60*	
		For Snap-On Inlet Grille, Add	*84.40*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*333.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,432.26	270.37
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*127.53*	
		For Snap-On Inlet Grille, Add	*91.02*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*359.50*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,571.44	292.32
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.57*	
		For Snap-On Inlet Grille, Add	*97.71*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*396.51*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,677.07	312.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*146.60*	
		For Snap-On Inlet Grille, Add	*103.73*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*422.94*	
23 82 33 00-0026		**32" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	554.87	134.61
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*67.16*	
		For Snap-On Inlet Grille, Add	*50.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*122.86*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	661.56	162.92
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*80.02*	
		For Snap-On Inlet Grille, Add	*59.34*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*145.19*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	798.98	190.45
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*92.52*	
		For Snap-On Inlet Grille, Add	*67.68*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*178.70*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	928.33	206.97
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*100.07*	
		For Snap-On Inlet Grille, Add	*72.71*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*215.17*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,069.63	223.64
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*107.57*	
		For Snap-On Inlet Grille, Add	*77.71*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*255.88*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,193.95	239.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*114.95*	
		For Snap-On Inlet Grille, Add	*82.64*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*290.77*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,341.00	259.97
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*124.18*	
		For Snap-On Inlet Grille, Add	*88.78*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*331.48*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,466.09	276.64
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*131.80*	
		For Snap-On Inlet Grille, Add	*93.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*366.37*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,576.71	295.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*140.06*	
		For Snap-On Inlet Grille, Add	*99.37*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*395.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,720.51	312.98
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*148.31*	
		For Snap-On Inlet Grille, Add	*104.87*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*436.16*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,826.14	328.12
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*155.07*	
		For Snap-On Inlet Grille, Add	*109.38*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*465.23*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	437.27	73.19
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	486.61	73.19

23 82 33 00-0042 6" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	509.38	73.19
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	585.28	73.19
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	651.69	73.19
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	756.06	73.19

23 82 36 Finned-Tube Radiation Heaters *(23 82)*

23 82 36 00-0001 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0002 Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	92.16	40.66
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	94.43	40.66

23 82 36 00-0005 Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	114.92	40.66
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	120.62	40.66

23 82 36 00-0008 Finned Tube Baseboard Units *(23 82 36)*

Note: Complete with steel enclosure. Single heating element.

23 82 36 00-0009	LF	3/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element	52.45	7.65
		For Copper Tube With Aluminum Fins, Add	*1.53*	
23 82 36 00-0010	LF	1" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element	66.91	8.41
		For Copper Tube With Aluminum Fins, Add	*2.19*	
23 82 36 00-0011	LF	1-1/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element	81.50	9.18
		For Copper Tube With Aluminum Fins, Add	*2.84*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,258.92	92.41
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,277.12	92.41
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,295.32	92.41
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,313.51	92.41
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,331.72	92.41
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,349.92	92.41
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,368.85	92.41
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	123.46	61.36

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,394.15	110.89
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,430.56	110.89
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,466.95	110.89
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,503.36	110.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,539.76	110.89
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,576.16	110.89
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,612.56	110.89
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	147.85	73.92
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,001.71	147.85
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,038.11	147.85
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,074.51	147.85
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,110.91	147.85
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,147.32	147.85
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,183.71	147.85
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	184.81	92.41
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,536.48	184.81
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,591.08	184.81
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,645.68	184.81
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,700.27	184.81
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,754.89	184.81
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,809.48	184.81
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,864.08	184.81
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	246.91	123.46
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,144.04	221.77
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,216.84	221.77
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,289.64	221.77
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,362.44	221.77
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,435.24	221.77
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,508.04	221.77
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,580.84	221.77
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	295.69	147.85
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	210.33	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	363.31	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	433.67	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	586.63	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	712.19	76.48
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	713.71	76.48
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	801.39	76.48
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	969.13	114.73
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,013.99	114.73
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,080.78	114.73
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,288.77	152.97
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,423.35	152.97
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,508.99	152.97
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,578.32	152.97
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,771.03	191.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,794.49	191.21
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,816.92	191.21
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,920.88	229.45
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,096.24	229.45
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,387.97	267.69
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,023.13	267.69
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,203.54	305.94
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,856.04	305.94
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	193.70	19.13

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,029.29	76.48
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,077.71	114.73
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,165.91	114.73
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,426.42	152.97
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,513.07	152.97
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,763.88	229.45
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,896.41	229.45
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,007.55	229.45
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,236.04	267.69
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,367.58	267.69
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,633.66	267.69
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,029.21	344.18
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,914.17	344.18
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,185.37	344.18
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,769.59	382.42
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	269.15	19.13

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	458.90
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	611.88

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	633.70	73.92
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	633.70	73.92
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	853.56	92.41
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	976.41	110.89
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,432.05	147.85
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	2,102.07	184.81
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	2,918.90	221.77
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,301.01	258.74
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	791.64	73.92
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	760.81	73.92
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	898.70	92.41
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,035.14	110.89
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,549.51	147.85

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	274.21	46.20
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	321.72	51.75
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	514.53	51.75
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	313.81	46.20
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	384.22	51.75
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	587.94	51.75
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	412.62	60.98
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	788.23	64.68
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	890.13	64.68
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,035.85	68.38
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,125.32	68.38
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	465.54	60.98
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	871.60	64.68
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	973.50	64.68
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	382.07	46.20

23 82 39 19-0031 Vandal Resistant Security Electric Unit Heaters *(23 82 39 19)*

Note: 14 Gauge steel enclosure complete self contained units for UL certification. Standard enamel color finishes included. 250 Watts per foot, built in thermostat, disconnect switch, thermal cut out, switch, 120 Volt or 208 Volt. 10" High, tamper proof fasteners.

23 82 39 19-0032	EA	8" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front	708.92	39.30
23 82 39 19-0033	EA	10" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front	767.40	42.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0034		Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0035	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	275.36	
23 82 39 19-0036	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	566.05	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001		Self Regulating Heating Cable *(23 83 13 13)*		
23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	7.51	0.56
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	8.05	0.56
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	8.43	0.56
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	7.51	0.56
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	8.97	0.56
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.51	0.56
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	9.50	0.56
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	9.75	0.56
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.00	0.56
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	9.50	0.56
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	9.75	0.56
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.00	0.56
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	12.00	0.56
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	12.50	0.56
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	12.75	0.56
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	12.00	0.56
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	12.50	0.56
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	12.75	0.56
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	197.59	44.06
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	197.59	44.06
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	125.49	8.01
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	339.90	20.03
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	373.96	20.03

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001		Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)* Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 16-0002	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	7,517.52	315.11
23 84 13 16-0003	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	9,521.18	315.88

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001		Steam Type Pneumatically Controlled *(23 84 13 23)* Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0002	EA	3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,233.18	201.92
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*380.15*	
23 84 13 23-0003	EA	3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,233.18	201.92
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*380.15*	
23 84 13 23-0004	EA	65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,760.34	201.92
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*538.30*	
23 84 13 23-0005	EA	65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,836.82	252.40
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*563.79*	
23 84 13 23-0006	EA	100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,627.15	201.92
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*798.34*	
23 84 13 23-0007	EA	100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,703.63	252.40
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*823.84*	
23 84 13 23-0008	EA	220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	4,058.02	252.40
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,230.15*	
23 84 13 23-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	4,153.63	315.88
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,262.02*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	361.34	38.24

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	1,332.76	36.97
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,676.91	43.12
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,248.09	49.28

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	305.22	80.19
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	366.79	80.19
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	403.73	80.19

END OF SECTION 23

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	319.32	
		For Up To 20, Add	*67.54*	
		For >20 To 50, Add	*54.03*	
		For >50 To 100, Add	*27.01*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	416.14	
		For Up To 20, Add	*91.74*	
		For >20 To 50, Add	*73.39*	
		For >50 To 100, Add	*36.70*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	629.16	
		For Up To 20, Add	*145.00*	
		For >20 To 50, Add	*116.00*	
		For >50 To 100, Add	*58.00*	
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) Note: 2mm thick, aluminum frame, twist cover.	316.56	
		For Up To 20, Add	*66.85*	
		For >20 To 50, Add	*53.48*	
		For >50 To 100, Add	*26.74*	
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	318.26	
		For Up To 20, Add	*67.27*	
		For >20 To 50, Add	*53.82*	
		For >50 To 100, Add	*26.91*	
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	408.26	
		For Up To 20, Add	*89.77*	
		For >20 To 50, Add	*71.82*	
		For >50 To 100, Add	*35.91*	
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	611.65	
		For Up To 20, Add	*140.62*	
		For >20 To 50, Add	*112.49*	
		For >50 To 100, Add	*56.25*	
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	249.61	
		For Up To 20, Add	*50.11*	
		For >20 To 50, Add	*40.09*	
		For >50 To 100, Add	*20.04*	
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	354.18	
		For Up To 20, Add	*76.25*	
		For >20 To 50, Add	*61.00*	
		For >50 To 100, Add	*30.50*	
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	506.67	
		For Up To 20, Add	*114.37*	
		For >20 To 50, Add	*91.50*	
		For >50 To 100, Add	*45.75*	
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	461.43	
		For Up To 20, Add	*103.06*	
		For >20 To 50, Add	*82.45*	
		For >50 To 100, Add	*41.23*	
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	636.38	
		For Up To 20, Add	*146.80*	
		For >20 To 50, Add	*117.44*	
		For >50 To 100, Add	*58.72*	
26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,170.74	
		For Up To 20, Add	*280.39*	
		For >20 To 50, Add	*224.31*	
		For >50 To 100, Add	*112.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	530.96	
		For Up To 20, Add	*120.45*	
		For >20 To 50, Add	*96.36*	
		For >50 To 100, Add	*48.18*	
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	784.28	
		For Up To 20, Add	*183.78*	
		For >20 To 50, Add	*147.02*	
		For >50 To 100, Add	*73.51*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	20.03
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	20.03
26 01 20 91-0004	EA	Lock Out/Tag Out Tags	3.92

26 01 20 91-0005 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	16.66
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	16.66

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	35.11
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	45.27
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	67.57
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	16.40
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	16.40
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	18.85
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	20.37
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	19.97
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	21.13
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	21.38

26 01 50 51-0013 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0014	EA	100 Watt, Frosted, Interior Incandescent Lamp	4.57
		For Multiple Lamps In Fixture, Deduct	*-1.32*
26 01 50 51-0015	EA	150 Watt, Frosted, Interior Incandescent Lamp	5.71
		For Multiple Lamps In Fixture, Deduct	*-1.32*
26 01 50 51-0016	EA	200 Watt, Frosted, Interior Incandescent Lamp	7.00
		For Multiple Lamps In Fixture, Deduct	*-1.32*
26 01 50 51-0017	EA	300 Watt, PS25, Interior Incandescent Lamp	8.62
		For Multiple Lamps In Fixture, Deduct	*-1.32*
26 01 50 51-0018	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	6.43
		For Multiple Lamps In Fixture, Deduct	*-1.32*
26 01 50 51-0019	EA	75 Watt, R20, Interior Incandescent Lamp	10.23
		For Multiple Lamps In Fixture, Deduct	*-1.59*
26 01 50 51-0020	EA	75 Watt, PAR38, Exterior Incandescent Lamp	12.50
		For Multiple Lamps In Fixture, Deduct	*-1.59*
26 01 50 51-0021	EA	100 Watt, PAR38, Exterior Incandescent Lamp	11.60
		For Multiple Lamps In Fixture, Deduct	*-1.59*
26 01 50 51-0022	EA	150 Watt, PAR38, Exterior Incandescent Lamp	20.20
		For Multiple Lamps In Fixture, Deduct	*-1.59*
26 01 50 51-0023	EA	250 Watt, PAR38, Exterior Incandescent Lamp	41.85
		For Multiple Lamps In Fixture, Deduct	*-1.85*
26 01 50 51-0024	EA	300 Watt, PAR56, Exterior Incandescent Lamp	48.16
		For Multiple Lamps In Fixture, Deduct	*-1.85*

26 01 50 51-0025 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0026	EA	Convert Exit Light Lamps To Red LED Lamps	76.34
		For Green LED Lamps, Add	*25.00*
26 01 50 51-0027	EA	Fluorescent Lamp For Exit Light	21.71
		For Multiple Lamps In Fixture, Deduct	*-5.29*
26 01 50 51-0028	EA	Lamp Replacement For Emergency Lights On Exit Sign	28.61
		For Multiple Lamps In Fixture, Deduct	*-2.64*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0029		Fluorescent Lamps *(26 01 50 51-0001)*		
26 01 50 51-0030	EA	18", 15 Watt, T8 Fluorescent Lamp	8.17	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0031	EA	2', 17 Watt, T8 Fluorescent Lamp	9.69	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0032	EA	3', 25 Watt, T8 Fluorescent Lamp	11.12	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0033	EA	4', 32 Watt, T8 Fluorescent Lamp	10.36	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0034	EA	4', 30 Watt, T8 Fluorescent Lamp	13.74	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0035	EA	4', 28 Watt, T8 Fluorescent Lamp	12.14	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0036	EA	4', 25 Watt, T8 Fluorescent Lamp	12.08	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0037	EA	4', 44 Watt, T8HO Fluorescent Lamp	18.95	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0038	EA	8', 59 Watt, T8 Fluorescent Lamp	14.64	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0039	EA	18", 15 Watt, T12 Fluorescent Lamp	12.00	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0040	EA	2', 20 Watt, T12 Fluorescent Lamp	9.26	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0041	EA	3', 30 Watt, T12 Fluorescent Lamp	10.39	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0042	EA	4', 34 Watt, T12 Fluorescent Lamp	10.44	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0043	EA	4', 40 Watt, T12 Fluorescent Lamp	10.24	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0044	EA	8', 60 Watt, T12 Fluorescent Lamp	14.99	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0045	EA	8', 75 Watt, T12 Fluorescent Lamp	12.78	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0046	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	12.14	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0047	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	10.10	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0048	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	9.79	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0049	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	10.77	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0050	EA	6", 4 Watt, T5 Fluorescent Lamp	8.99	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0051	EA	9", 6 Watt, T5 Fluorescent Lamp	8.86	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0052	EA	12", 8 Watt, T5 Fluorescent Lamp	9.12	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0053	EA	21", 13 Watt, T5 Fluorescent Lamp	9.51	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0054	EA	24", 14 Watt, T5 Fluorescent Lamp	10.85	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0055	EA	34", 21 Watt, T5 Fluorescent Lamp	11.83	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0056	EA	46", 28 Watt, T5 Fluorescent Lamp	11.48	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0057	EA	46", 54 Watt T5HO Fluorescent Lamp	12.49	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0058	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	7.01	
		For Multiple Lamps In Fixture, Deduct	*-1.32*	
26 01 50 51-0059	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	7.70	
		For Multiple Lamps In Fixture, Deduct	*-1.32*	
26 01 50 51-0060	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	15.40	
		For Multiple Lamps In Fixture, Deduct	*-1.32*	
26 01 50 51-0061	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	17.52	
		For Multiple Lamps In Fixture, Deduct	*-2.64*	
26 01 50 51-0062	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	16.92	
		For Multiple Lamps In Fixture, Deduct	*-2.64*	
26 01 50 51-0063	EA	<9 Watt Spiral Compact Fluorescent Lamps, Screw-In	6.67	
26 01 50 51-0064	EA	9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	5.90	
26 01 50 51-0065	EA	29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	5.90	
26 01 50 51-0066	EA	33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	22.04	
26 01 50 51-0067	EA	43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	23.95	
26 01 50 51-0068	EA	85 Watt Spiral Compact Fluorescent Lamps, Screw-In	44.66	
26 01 50 51-0069	EA	105 Watt Spiral Compact Fluorescent Lamps, Screw-In	53.29	
26 01 50 51-0070	EA	200 Watt Spiral Compact Fluorescent Lamps, Screw-In	55.04	
26 01 50 51-0071	EA	11 Watt Compact Fluorescent Reflector Lamps, Screw-In	20.83	
26 01 50 51-0072	EA	15 Watt Compact Fluorescent Reflector Lamps, Screw-In	21.68	
26 01 50 51-0073	EA	20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	24.84	
26 01 50 51-0074		Mercury Vapor Lamps *(26 01 50 51-0001)*		
26 01 50 51-0075	EA	100 Watt, Mercury Vapor Lamp	29.71	
26 01 50 51-0076	EA	175 Watt, Mercury Vapor Lamp	27.04	
26 01 50 51-0077	EA	250 Watt, Mercury Vapor Lamp	25.71	
26 01 50 51-0078	EA	400 Watt, Mercury Vapor Lamp	31.35	
26 01 50 51-0079	EA	1,000 Watt, Mercury Vapor Lamp	54.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 51-0080 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0081	EA	50 Watt, Pulse Start Metal Halide Lamp	30.26	
26 01 50 51-0082	EA	70 Watt, Pulse Start Metal Halide Lamp	29.02	
26 01 50 51-0083	EA	100 Watt, Pulse Start Metal Halide Lamp	32.96	
26 01 50 51-0084	EA	150 Watt, Pulse Start Metal Halide Lamp	32.06	
26 01 50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	31.80	
26 01 50 51-0086	EA	250 Watt, Pulse Start Metal Halide Lamp	31.98	
26 01 50 51-0087	EA	400 Watt, Pulse Start Metal Halide Lamp	38.26	
26 01 50 51-0088	EA	1,000 Watt, Pulse Start Metal Halide Lamp	44.28	
26 01 50 51-0089	EA	1,500 Watt, Pulse Start Metal Halide Lamp	44.02	

26 01 50 51-0090 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0091	EA	35 Watt, High Pressure Sodium Lamp	25.18	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0092	EA	50 Watt, High Pressure Sodium Lamp	25.18	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0093	EA	70 Watt, High Pressure Sodium Lamp	25.72	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0094	EA	100 Watt, High Pressure Sodium Lamp	26.74	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0095	EA	150 Watt, High Pressure Sodium Lamp	25.72	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0096	EA	250 Watt, High Pressure Sodium Lamp	25.72	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0097	EA	400 Watt, High Pressure Sodium Lamp	24.20	
		For Enclosed And Gasket Light Fixtures, Add	*2.03*	
26 01 50 51-0098	EA	1,000 Watt, High Pressure Sodium Lamp	54.71	

26 01 50 51-0099 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0100	EA	35 Watt, Low Pressure Sodium Lamp	62.11	
26 01 50 51-0101	EA	55 Watt, Low Pressure Sodium Lamp	69.16	
26 01 50 51-0102	EA	70 Watt, Low Pressure Sodium Lamp	70.75	
26 01 50 51-0103	EA	90 Watt, Low Pressure Sodium Lamp	72.34	
26 01 50 51-0104	EA	135 Watt, Low Pressure Sodium Lamp	78.69	
26 01 50 51-0105	EA	180 Watt, Low Pressure Sodium Lamp	107.28	

26 01 50 51-0106 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0107 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0106)*

26 01 50 51-0108	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	9.07	

26 01 50 51-0109 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0106)*

26 01 50 51-0110	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	11.61	
26 01 50 51-0111	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	11.61	
26 01 50 51-0112	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	18.44	
26 01 50 51-0113	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	13.34	
26 01 50 51-0114	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	22.71	

26 01 50 51-0115 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0106)*

26 01 50 51-0116	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	15.90	
26 01 50 51-0117	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	14.46	
26 01 50 51-0118	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	18.29	
26 01 50 51-0119	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	15.74	
26 01 50 51-0120	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	20.00	
26 01 50 51-0121	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	15.74	

26 01 50 51-0122 LED Lamps, Medium Base, PAR *(26 01 50 51-0106)*

26 01 50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	17.27	
26 01 50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	22.57	
26 01 50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	22.57	
26 01 50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	21.71	
26 01 50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	20.86	
26 01 50 51-0128	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	20.86	
26 01 50 51-0129	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	38.10	
26 01 50 51-0130	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	22.57	
26 01 50 51-0131	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	21.71	
26 01 50 51-0132	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	22.57	
26 01 50 51-0133	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	22.57	

26 01 50 51-0134 LED Lamps, GU Base, MR16 *(26 01 50 51-0106)*

26 01 50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	12.75	
26 01 50 51-0136	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	15.90	
26 01 50 51-0137	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	17.27	

26 01 50 51-0138 LED Lamps, PL Series *(26 01 50 51-0106)*

26 01 50 51-0139	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	17.89	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0140	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	22.86	
26 01 50 51-0141	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	18.38	
26 01 50 51-0142	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	21.18	
26 01 50 51-0143	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	21.18	
26 01 50 51-0144	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	26.22	
26 01 50 51-0145	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	21.18	
26 01 50 51-0146	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	21.18	
26 01 50 51-0147	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	21.18	
26 01 50 51-0148	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	21.18	
26 01 50 51-0149	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	24.54	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	24.54	
26 01 50 51-0151	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	24.54	
26 01 50 51-0152	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	24.54	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	22.86	
26 01 50 51-0154	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	22.86	
26 01 50 51-0155	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	22.86	
26 01 50 51-0156	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	23.98	
26 01 50 51-0157	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	23.98	
26 01 50 51-0158	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	24.23	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	24.23	
26 01 50 51-0160	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	24.23	
26 01 50 51-0161	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	24.23	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	25.10	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	25.10	
26 01 50 51-0164	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	25.10	
26 01 50 51-0165	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	25.10	
26 01 50 51-0166	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	25.10	
26 01 50 51-0167	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	25.10	
26 01 50 51-0168	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	25.10	
26 01 50 51-0169	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	25.10	
26 01 50 51-0170	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	33.84	
26 01 50 51-0171	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	33.84	
26 01 50 51-0172	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	33.84	
26 01 50 51-0173	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	31.83	
26 01 50 51-0174	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	31.83	
26 01 50 51-0175	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	31.83	
26 01 50 51-0176	EA	4 Pin, 6 Watt, 560 Lumens 4000K Horizontal Mount LED PL Lamp (Green Creative 57898)	15.72	

26 01 50 51-0177 HID LED Lamps, Medium Base E26 *(26 01 50 51-0106)*

26 01 50 51-0178	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	70.45	
26 01 50 51-0179	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	70.45	
26 01 50 51-0180	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	91.15	
26 01 50 51-0181	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	91.15	
26 01 50 51-0182	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	55.36	
26 01 50 51-0183	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	55.36	
26 01 50 51-0184	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	55.36	
26 01 50 51-0185	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	55.36	
26 01 50 51-0186	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	57.60	
26 01 50 51-0187	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	57.60	
26 01 50 51-0188	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	57.60	
26 01 50 51-0189	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	57.60	
26 01 50 51-0190	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	66.56	
26 01 50 51-0191	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	66.56	
26 01 50 51-0192	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	66.56	
26 01 50 51-0193	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	66.56	
26 01 50 51-0194	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	77.75	
26 01 50 51-0195	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	77.75	
26 01 50 51-0196	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	77.75	
26 01 50 51-0197	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	77.75	
26 01 50 51-0198	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	102.38	
26 01 50 51-0199	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	102.38	
26 01 50 51-0200	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	102.38	
26 01 50 51-0201	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	102.38	
26 01 50 51-0202	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	123.65	
26 01 50 51-0203	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	123.65	
26 01 50 51-0204	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	123.65	
26 01 50 51-0205	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	123.65	
26 01 50 51-0206	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	138.20	
26 01 50 51-0207	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	138.20	
26 01 50 51-0208	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	138.20	
26 01 50 51-0209	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	138.20	
26 01 50 51-0210	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	190.82	
26 01 50 51-0211	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	190.82	
26 01 50 51-0212	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	190.82	
26 01 50 51-0213	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	190.82	
26 01 50 51-0214	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	197.54	
26 01 50 51-0215	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	197.54	
26 01 50 51-0216	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	197.54	
26 01 50 51-0217	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	197.54	
26 01 50 51-0218	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	236.72	
26 01 50 51-0219	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	236.72	
26 01 50 51-0220	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	236.72	
26 01 50 51-0221	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	236.72	
26 01 50 51-0222	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	283.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0223	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	283.74	
26 01 50 51-0224	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	283.74	
26 01 50 51-0225	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	283.74	
26 01 50 51-0226	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	88.88	
26 01 50 51-0227	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	96.71	
26 01 50 51-0228	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	96.71	
26 01 50 51-0229	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	88.88	
26 01 50 51-0230	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	113.51	
26 01 50 51-0231	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	103.43	
26 01 50 51-0232	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	125.82	
26 01 50 51-0233	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	124.50	
26 01 50 51-0234	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	127.50	
26 01 50 51-0235	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	127.50	
26 01 50 51-0236	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	74.36	
26 01 50 51-0237	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	74.36	
26 01 50 51-0238	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	84.71	
26 01 50 51-0239	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	84.71	
26 01 50 51-0240	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	91.60	
26 01 50 51-0241	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	91.60	
26 01 50 51-0242	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	101.94	
26 01 50 51-0243	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	101.94	
26 01 50 51-0244	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	102.48	
26 01 50 51-0245	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	111.66	
26 01 50 51-0246	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	140.65	
26 01 50 51-0247	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	155.66	
26 01 50 51-0248	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	56.80	
26 01 50 51-0249	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	64.86	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	68.89	
26 01 50 51-0251	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	76.40	
26 01 50 51-0252	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	93.32	
26 01 50 51-0253	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	110.55	
26 01 50 51-0254	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	153.61	
26 01 50 51-0255	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	162.22	
26 01 50 51-0256	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	176.00	
26 01 50 51-0257	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	184.61	
26 01 50 51-0258	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	269.01	
26 01 50 51-0259	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	61.41	

26 01 50 51-0260 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0106)*

26 01 50 51-0261	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	254.50	
26 01 50 51-0262	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	254.50	
26 01 50 51-0263	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	254.50	
26 01 50 51-0264	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	70.45	
26 01 50 51-0265	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	70.45	
26 01 50 51-0266	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	70.45	
26 01 50 51-0267	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	91.15	
26 01 50 51-0268	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	91.15	
26 01 50 51-0269	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	91.15	
26 01 50 51-0270	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	175.11	
26 01 50 51-0271	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	190.82	
26 01 50 51-0272	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	190.82	
26 01 50 51-0273	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	190.82	
26 01 50 51-0274	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	190.82	
26 01 50 51-0275	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	197.54	
26 01 50 51-0276	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	197.54	
26 01 50 51-0277	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	197.54	
26 01 50 51-0278	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	197.54	
26 01 50 51-0279	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	236.72	
26 01 50 51-0280	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	236.72	
26 01 50 51-0281	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	236.72	
26 01 50 51-0282	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	236.72	
26 01 50 51-0283	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	283.74	
26 01 50 51-0284	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	283.74	
26 01 50 51-0285	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	283.74	
26 01 50 51-0286	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	283.74	
26 01 50 51-0287	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	96.71	
26 01 50 51-0288	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	96.71	
26 01 50 51-0289	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	113.51	
26 01 50 51-0290	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	111.96	
26 01 50 51-0291	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	125.82	
26 01 50 51-0292	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	124.50	
26 01 50 51-0293	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	127.50	
26 01 50 51-0294	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	123.60	
26 01 50 51-0295	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	275.83	
26 01 50 51-0296	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	96.68	
26 01 50 51-0297	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	96.68	
26 01 50 51-0298	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	110.61	
26 01 50 51-0299	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	110.61	
26 01 50 51-0300	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	118.98	
26 01 50 51-0301	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	118.98	
26 01 50 51-0302	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	74.22	
26 01 50 51-0303	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	74.22	
26 01 50 51-0304	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	84.71	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0305	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	84.71	
26 01 50 51-0306	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	91.60	
26 01 50 51-0307	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	91.60	
26 01 50 51-0308	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	101.94	
26 01 50 51-0309	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	101.94	
26 01 50 51-0310	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	189.13	
26 01 50 51-0311	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	219.80	
26 01 50 51-0312	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	263.46	
26 01 50 51-0313	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	520.57	
26 01 50 51-0314	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	491.20	
26 01 50 51-0315	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	520.57	
26 01 50 51-0316	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	522.85	
26 01 50 51-0317	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	73.71	
26 01 50 51-0318	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	73.71	
26 01 50 51-0319	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	73.71	
26 01 50 51-0320	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	225.41	
26 01 50 51-0321	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	236.90	
26 01 50 51-0322	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	174.82	
26 01 50 51-0323	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	207.24	
26 01 50 51-0324	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	87.34	
26 01 50 51-0325	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	165.74	

26 01 50 51-0326 LED Lamps, 2G11 Base *(26 01 50 51-0106)*

26 01 50 51-0327	EA	19 Watt, 1550 Lumens, 3500K, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	28.20	

26 01 50 51-0328 LED Lamps, GX23 Base *(26 01 50 51-0106)*

26 01 50 51-0329	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	14.17	

26 01 50 51-0330 LED Lamps, G24 Base *(26 01 50 51-0106)*

26 01 50 51-0331	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	18.23	

26 01 50 51-0332 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0106)*

26 01 50 51-0333	EA	2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	24.99	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0334	EA	2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	32.30	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0335	EA	3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	26.92	
		For Multiple Lamps In Fixture, Deduct	*-2.25*	
26 01 50 51-0336	EA	4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	29.45	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0337	EA	4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	32.19	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0338	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	20.54	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0339	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	19.74	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0340	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	18.04	
		For Multiple Lamps In Fixture, Deduct	*-2.12*	
26 01 50 51-0341	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	18.39	
		For Multiple Lamps In Fixture, Deduct	*-2.25*	
26 01 50 51-0342	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	18.43	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	
26 01 50 51-0343	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	19.08	
		For Multiple Lamps In Fixture, Deduct	*-2.38*	

26 01 50 51-0344 Filament LED Lamps *(26 01 50 51-0106)*

26 01 50 51-0345	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.47	
26 01 50 51-0346	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.47	
26 01 50 51-0347	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.35	
26 01 50 51-0348	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.35	
26 01 50 51-0349	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	21.14	
26 01 50 51-0350	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	21.14	
26 01 50 51-0351	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.11	
26 01 50 51-0352	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.11	
26 01 50 51-0353	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	17.79	
26 01 50 51-0354	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	22.71	
26 01 50 51-0355	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	13.75	

26 01 50 51-0356 Other Lamps *(26 01 50 51-0106)*

26 01 50 51-0357	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.17	
26 01 50 51-0358	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.17	
26 01 50 51-0359	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.17	
26 01 50 51-0360	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.29	
26 01 50 51-0361	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.29	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0362	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.29	
26 01 50 51-0363		**LED Lamps, Light Engines, Round, LER Series** *(26 01 50 51-0106)*		
26 01 50 51-0364	EA	5.5" Diameter, 17 Watt, 3000K Round LED Light Engine (Maxlite LER5.5A1730)	33.31	
26 01 50 51-0365	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	19.80	
26 01 50 51-0366		**Recycle Hazardous Lamps** *(26 01 50 51)* Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0367	EA	Recycle 2' Length Linear Fluorescent Lamps	0.27	
26 01 50 51-0368	EA	Recycle 3' Length Linear Fluorescent Lamps	0.40	
26 01 50 51-0369	EA	Recycle 4' Length Linear Fluorescent Lamps	0.54	
26 01 50 51-0370	EA	Recycle 6' Length Linear Fluorescent Lamps	0.81	
26 01 50 51-0371	EA	Recycle 8' Length Linear Fluorescent Lamps	1.08	
26 01 50 51-0372	EA	Recycle Compact Fluorescent Lamps	0.48	
26 01 50 51-0373	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.48	
26 01 50 51-0374	EA	Recycle High Intensity Discharge (HID) Lamps	1.68	

26 01 50 52 Ballasts Replacement *(26 01 50)*

26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*
Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 T5 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0004 T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*
Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	82.59	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*4.68*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	86.60	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*4.68*	

26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	82.59	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*4.68*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	86.60	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*4.68*	

26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	82.59	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*4.68*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	86.60	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*4.68*	

26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	82.59	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	86.60	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	

26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	82.50	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	86.51	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	118.48	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	122.48	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0003)*
Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*

26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	69.32	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	73.33	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0026		**24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	90.54	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	94.55	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0029		**39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	90.54	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	94.55	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0032		**54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	69.32	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	73.33	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0035		**Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)*		
26 01 50 52-0036		**Step Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		**28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast** *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	73.15	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0039		**Dimming To 5%, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		**54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	291.61	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	287.60	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0043		**T8 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0044		**T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		**17 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	36.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	63.71	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	40.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	67.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	49.17	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*11.07*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	75.93	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*6.36*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	56.30	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*28.03*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	83.21	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*16.36*	
26 01 50 52-0054		**25 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	36.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	63.71	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	40.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	67.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*7.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	49.17	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*11.07*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	75.93	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*6.36*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	56.30	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*28.03*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	83.21	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*16.36*	
26 01 50 52-0063		**28 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	36.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	63.71	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	40.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	67.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	49.17	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*11.07*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	75.93	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*6.36*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	56.30	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*28.03*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	83.21	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*16.36*	
26 01 50 52-0072		**32 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	36.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	63.71	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	40.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*11.37*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	67.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	49.17	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*11.07*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	75.93	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*6.36*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	56.30	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*28.03*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	83.21	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*16.36*	
26 01 50 52-0081		**40 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	57.91	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*4.86*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	63.71	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	61.92	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*4.86*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	67.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
		For High Ballast Factor, Add	*7.48*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	77.34	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
		For High Ballast Factor, Add	*2.99*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	75.93	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	81.34	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
		For High Ballast Factor, Add	*2.99*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		83.21	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.41*	
26 01 50 52-0090		**96 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*			
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast		69.32	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
		For High Ballast Factor, Add		*10.42*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast		73.33	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
		For High Ballast Factor, Add		*10.42*	
26 01 50 52-0093		**High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0094		**48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*			
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		84.00	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		109.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		88.01	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		113.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0099		**60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*			
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		84.00	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		109.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		88.01	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		113.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0104		**72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*			
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		84.00	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		109.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		88.01	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		113.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0109		**96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*			
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		84.00	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		109.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast		88.01	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast		113.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0114		**Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*			
26 01 50 52-0115		**Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*			
		Note: Includes 120/277 Volt and high ballast factor.			
26 01 50 52-0116		**17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*			
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		52.80	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.21*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.41*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		94.57	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.62*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		98.58	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.82*	
26 01 50 52-0123		**25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*			
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.81*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.01*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		52.80	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	94.57	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	98.58	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0130		28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	52.80	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	94.57	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	98.58	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0137		32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	52.80	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	94.57	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	98.58	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0144		40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	52.80	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	94.57	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	98.58	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0151		Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	51.44	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	90.25	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	94.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0159		25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	51.44	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	90.25	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	94.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0166		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	51.44	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	90.25	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	94.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0173		**32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	51.44	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	90.25	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	94.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0180		**40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	41.73	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	45.74	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	51.44	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.57	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	90.25	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	94.26	36.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 01 50 52-0187		**Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188		**17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	103.44	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	107.45	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	128.39	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	132.39	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0193		**25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	103.44	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	107.45	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	128.39	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	132.39	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0198		**28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	103.44	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	107.45	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	128.39	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	132.39	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0203		**32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	103.44	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	107.45	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	

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26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	128.39	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	132.39	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0208		T10 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0209		T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	51.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	55.37	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	67.89	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0214		T12 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0215		T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	36.35	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	51.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	40.36	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	55.37	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	49.17	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	56.30	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0223		30 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	51.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	55.37	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	67.89	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0227		34 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	51.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	55.37	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	67.89	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0231		40 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	51.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	55.37	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	67.89	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0235		96 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	64.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	73.33	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0238		High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	84.28	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	88.29	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0242		60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	84.28	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	

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26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	88.29	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	84.28	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	88.29	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	84.28	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	88.29	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)* Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	131.95	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	218.09	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	271.41	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	200.27	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	945.63	24.04
		For Factory Installation In New Fixtures, Deduct	*-35.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.58*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	275.42	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	462.64	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	253.85	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	346.87	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	268.61	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	303.52	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	328.59	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	276.29	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	280.62	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	244.36	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	253.85	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	248.27	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	455.35	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	

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26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	569.74	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,067.32	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	741.00	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	376.15	20.03
		For Factory Installation In New Fixtures, Deduct	*-33.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	488.12	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	2,736.98	20.03
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	132.45	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	153.41	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	178.52	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	169.51	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	299.26	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	283.14	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	269.29	16.02
		For Factory Installation In New Fixtures, Deduct	*-32.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	78.11	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	82.12	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	

26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	78.11	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	82.12	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	

26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	96.90	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	100.91	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	

26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	75.86	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	96.90	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	143.01	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	100.91	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	169.01	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 01 50 52-0301		**42 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	96.90	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	100.91	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0304		**55 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	96.90	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	100.91	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0307		**Dimming, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0284)*		
26 01 50 52-0308		**Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		**18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	144.96	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	148.97	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0312		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	144.96	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	148.97	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0315		**32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	144.96	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	159.35	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0318		**40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	159.35	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0320		**42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	144.96	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	159.35	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0323		**55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	231.92	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	260.33	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0326		**High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0327		**Magnetic High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0326)*		
26 01 50 52-0328		**Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0329		**Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0328)*		
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	102.39	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	104.80	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	104.80	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	97.95	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	97.95	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	143.82	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	143.82	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	184.23	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	204.84	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	92.89	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	98.26	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	95.94	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	112.10	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	109.79	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	124.79	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	124.79	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	149.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	149.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	237.23	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	237.23	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	12.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	20.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	

26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	128.87	20.03
		For Pulse Start Ballast, Add	*10.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	135.54	20.03
		For Pulse Start Ballast, Add	*10.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	123.82	20.03
		For Pulse Start Ballast, Add	*9.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	143.08	20.03
		For Pulse Start Ballast, Add	*11.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	197.05	20.03
		For Pulse Start Ballast, Add	*16.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	154.14	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	164.54	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*

26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	253.81	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*

26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	388.84	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	433.16	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	417.82	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0371		Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0372		Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	311.54	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	353.04	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	464.96	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	462.55	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	646.64	21.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.89*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	646.64	21.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.89*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	446.08	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	524.08	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0381		High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	577.72	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	550.23	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	706.09	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	706.09	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0386		Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0387		Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	349.57	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	377.27	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	374.54	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	393.10	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	622.44	21.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.89*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	764.14	21.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.89*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	580.94	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	529.28	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0396		High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*		
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	450.08	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	485.01	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	722.22	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	622.00	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0401		Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0402		Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*		
26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	142.15	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	142.15	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	159.67	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	405.04	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	405.04	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	405.04	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	405.04	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	405.04	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	16.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	20.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	23.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.97*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	24.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	28.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	29.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.89*	

26 01 50 52-0418 Retrofit Lighting Fixtures *(26 01 50 52)*

26 01 50 52-0419 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 52-0418)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0366 for hazardous lamp recycling.

26 01 50 52-0420 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 52-0419)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 52-0421	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	67.92	
		For Specular Ballast Cover, Add	*7.98*	
26 01 50 52-0422	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	72.10	
		For Specular Ballast Cover, Add	*8.81*	
26 01 50 52-0423	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	95.87	
		For Specular Ballast Cover, Add	*13.57*	
26 01 50 52-0424	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	110.76	
		For Specular Ballast Cover, Add	*16.54*	

26 01 50 52-0425 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 52-0419)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 52-0426	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	71.42	
		For Specular Reflector, Add	*8.68*	
26 01 50 52-0427	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	76.02	
		For Specular Reflector, Add	*9.60*	
26 01 50 52-0428	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	100.76	
		For Specular Reflector, Add	*14.54*	
26 01 50 52-0429	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	129.98	
		For Specular Reflector, Add	*20.39*	

26 01 50 52-0430 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 52-0419)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 52-0431	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	88.52	
		For Specular Reflector, Add	*10.49*	
26 01 50 52-0432	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	92.70	
		For Specular Reflector, Add	*11.33*	
26 01 50 52-0433	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	93.71	
		For Specular Reflector, Add	*11.53*	
26 01 50 52-0434	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	104.59	
		For Specular Reflector, Add	*13.71*	
26 01 50 52-0435	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	127.42	
		For Specular Reflector, Add	*18.27*	
26 01 50 52-0436	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	96.90	
		For Specular Reflector, Add	*12.17*	
26 01 50 52-0437	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	106.58	
		For Specular Reflector, Add	*14.10*	
26 01 50 52-0438	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	114.58	
		For Specular Reflector, Add	*15.70*	

26 01 50 52-0439 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 52-0418)*

26 01 50 52-0440 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 52-0439)*

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 52-0441	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	193.62
26 01 50 52-0442	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	193.62
26 01 50 52-0443	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	193.62

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0444	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	214.85	
26 01 50 52-0445	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	193.62	
26 01 50 52-0446	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	193.62	
26 01 50 52-0447	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	193.62	
26 01 50 52-0448	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	214.85	
26 01 50 52-0449	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	194.09	
26 01 50 52-0450	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	194.09	
26 01 50 52-0451	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	194.09	
26 01 50 52-0452	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	215.32	
26 01 50 52-0453	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	194.09	
26 01 50 52-0454	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	194.09	
26 01 50 52-0455	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	194.09	
26 01 50 52-0456	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	215.32	

26 01 50 52-0457 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 52-0439)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 52-0458	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	295.98	
26 01 50 52-0459	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	310.42	

26 01 50 52-0460 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 52-0439)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 52-0461	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	206.65	
26 01 50 52-0462	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	211.53	
26 01 50 52-0463	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	206.65	
26 01 50 52-0464	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	211.53	
26 01 50 52-0465	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	235.90	
26 01 50 52-0466	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	243.21	
26 01 50 52-0467	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	260.27	

26 01 50 52-0468 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 52-0439)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 52-0469	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	191.74	
26 01 50 52-0470	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	198.54	
26 01 50 52-0471	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	200.57	
26 01 50 52-0472	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	207.37	
26 01 50 52-0473	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	145.85	
26 01 50 52-0474	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	149.08	
26 01 50 52-0475	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	154.24	
26 01 50 52-0476	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	157.47	
26 01 50 52-0477	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	193.64	
26 01 50 52-0478	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	229.81	

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0479			Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 52-0439)*		
			Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0480	EA		1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	181.81	
26 01 50 52-0481	EA		1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	131.59	
26 01 50 52-0482	EA		2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	185.87	
26 01 50 52-0483	EA		2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	135.56	
26 01 50 52-0484	EA		3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	193.59	
26 01 50 52-0485	EA		3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	147.40	
26 01 50 52-0486	EA		1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	212.30	
26 01 50 52-0487	EA		1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	161.95	
26 01 50 52-0488	EA		2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	216.14	
26 01 50 52-0489	EA		2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	165.77	
26 01 50 52-0490	EA		3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	223.83	
26 01 50 52-0491	EA		3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	177.59	
26 01 50 52-0492			LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 52-0439)*		
			Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0493	EA		3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	377.72	
26 01 50 52-0494	EA		4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	419.24	
26 01 50 52-0495			Retrofit Existing HID Fixtures *(26 01 50 52-0418)*		
26 01 50 52-0496	EA		Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	854.78	
26 01 50 53			**Lens and Accessory Replacement** *(26 01 50)*		
26 01 50 53-0001	EA		Removal And Replacement Of Parabolic Aluminum Louver	103.26	
26 01 50 53-0002	EA		Removal And Replacement Of Visor For Fixtures	182.03	
26 01 50 53-0003	EA		Removal And Replacement Of Globe On Pole	244.67	
26 01 50 53-0004	EA		Removal And Replacement Of Lenses For Flat Top Pole Fixtures	84.15	
26 01 50 53-0005	EA		Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	26.00	
26 01 50 53-0006	EA		Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	27.60	
26 01 50 53-0007	EA		Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	34.55	
26 01 50 53-0008	EA		Removal And Replacement Of Slide-On Lampholder	10.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 53-0009	EA		Removal And Replacement Of Screw Mount Lampholder	10.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 53-0010	EA		Removal And Replacement Of Medium Bi-Pin Lampholder	12.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 53-0011	EA		Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	16.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 53-0012	EA		Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	18.27	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 53-0013	EA		Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	12.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 01 50 53-0014	EA		Removal And Replacement Of Exterior Light Globes	47.31	

26 05 Common Work Results For Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-And Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001			Wire And Cable *(26 05 13 16)*		
			Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002			5 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0003			Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*		
26 05 13 16-0004	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	2,369.88	621.55

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		2,799.91	678.67
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		3,337.63	766.80
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		4,326.46	944.72
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		4,926.59	1,063.85
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		6,035.25	1,180.84
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		6,793.09	1,326.80
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		8,054.90	1,476.12
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		9,393.57	1,762.45
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		11,829.05	2,071.72
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		17,565.67	2,441.75
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		23,306.16	2,811.60

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		2,292.20	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		2,579.35	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		2,896.73	
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		3,586.78	
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		3,889.05	
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		4,850.85	
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		5,243.80	
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		6,281.67	
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		6,982.06	
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		8,714.25	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		1,836.48	390.41
26 05 13 16-0029	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		2,197.49	418.60
26 05 13 16-0030	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		2,804.20	529.35
26 05 13 16-0031	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		3,644.34	642.62
26 05 13 16-0032	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		4,238.71	754.38
26 05 13 16-0033	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		5,338.05	862.71
26 05 13 16-0034	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		6,092.38	1,000.99
26 05 13 16-0035	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		7,656.21	1,259.31
26 05 13 16-0036	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		9,152.13	1,593.42
26 05 13 16-0037	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		11,882.48	2,001.98

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0002)*

26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		5,136.44	1,238.67
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		5,894.90	1,256.48
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		6,653.37	1,274.28
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		6,927.62	1,302.44
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		8,261.40	1,352.13
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		11,701.59	1,417.05
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		18,026.58	1,771.31
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct		20,862.50	2,361.77

26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0048	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		2,516.78	621.55
26 05 13 16-0049	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		2,998.50	678.67
26 05 13 16-0050	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		3,593.34	766.80
26 05 13 16-0051	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		4,136.61	855.72
26 05 13 16-0052	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		4,680.11	944.72
26 05 13 16-0053	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		5,334.65	1,063.85
26 05 13 16-0054	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		6,590.21	1,180.84
26 05 13 16-0055	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		7,418.77	1,326.80
26 05 13 16-0056	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		8,840.54	1,476.12
26 05 13 16-0057	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		10,291.29	1,762.45
26 05 13 16-0058	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		13,026.01	2,071.72
26 05 13 16-0059	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		19,629.10	2,441.75
26 05 13 16-0060	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct		26,236.06	2,811.60

26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0062	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		2,439.10	
26 05 13 16-0063	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		2,777.94	
26 05 13 16-0064	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		3,152.45	
26 05 13 16-0065	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		3,546.78	
26 05 13 16-0066	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		3,940.43	
26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		4,297.10	
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		5,405.81	
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		5,869.48	
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		7,067.32	
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		7,879.79	
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		9,911.21	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0073		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*		
26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,983.38	390.41
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,396.08	418.60
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,059.91	529.35
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,527.91	585.57
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,997.99	642.62
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,646.77	754.38
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,893.01	862.71
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,718.06	1,000.99
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,441.86	1,259.31
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,049.86	1,593.42
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,079.44	2,001.98
26 05 13 16-0085		15 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0086		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0087		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*		
26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	4,989.09	1,238.67
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	5,374.05	1,238.67
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	5,520.89	1,238.67
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	5,999.25	1,238.67
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	6,453.28	1,238.67
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	7,351.03	1,292.97
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	7,529.40	1,292.97
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,650.37	1,352.13
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,775.49	1,383.83
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	12,020.80	1,558.75
26 05 13 16-0098		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)* Note: Excludes excavation.		
26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,188.46	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,666.81	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,120.84	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,035.71	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,214.07	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,408.42	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,535.58	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,603.76	
26 05 13 16-0107		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*		
26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,881.89	557.72
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,582.19	642.62
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,328.33	754.38
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	6,373.69	862.71
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,913.43	1,000.99
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,315.92	1,165.29
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,865.02	1,357.86
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,246.65	1,577.28
26 05 13 16-0116		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0117		Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*		
26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	5,329.72	1,238.67
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	5,783.98	1,238.67
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	5,957.25	1,238.67
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	6,521.71	1,238.67
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,057.47	1,238.67
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,092.40	1,292.97
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,302.87	1,292.97
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,598.97	1,352.13
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,912.35	1,383.83
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,483.10	1,558.75
26 05 13 16-0128		Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)* Note: Excludes excavation.		
26 05 13 16-0129	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,624.82	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0130	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,189.27	
26 05 13 16-0131	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,725.03	
26 05 13 16-0132	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,777.08	
26 05 13 16-0133	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,987.55	
26 05 13 16-0134	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,354.26	
26 05 13 16-0135	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,666.90	
26 05 13 16-0136	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,066.07	
26 05 13 16-0137		**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0116)*		
26 05 13 16-0138	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,318.25	557.72
26 05 13 16-0139	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,104.65	642.62
26 05 13 16-0140	MLF	2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,932.52	754.38
26 05 13 16-0141	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,115.06	862.71
26 05 13 16-0142	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,686.91	1,000.99
26 05 13 16-0143	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,264.52	1,165.29
26 05 13 16-0144	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,001.88	1,357.86
26 05 13 16-0145	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,708.96	1,577.28
26 05 13 16-0146		**15 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0085)*		
26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,046.88	1,243.01
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	6,136.30	1,272.73
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,092.11	1,302.44
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,412.49	1,389.24
26 05 13 16-0151		**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0085)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152		**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	34.22	9.48
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	40.66	10.09
26 05 13 16-0155		**Aluminum Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	34.22	9.48
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	40.66	10.09
26 05 13 16-0158		**Type URD, 15 KV Primary Concentric UD Cable** *(26 05 13 16-0085)* Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	2,471.62	621.55
26 05 13 16-0160	MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	2,937.45	678.67
26 05 13 16-0161	MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,514.74	766.80
26 05 13 16-0162	MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,565.12	942.16
26 05 13 16-0163	MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,201.25	1,060.65
26 05 13 16-0164	MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,419.62	1,180.84
26 05 13 16-0165	MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,214.05	1,321.84
26 05 13 16-0166		**15 KV, URD Copper Cable, Direct Burial** *(26 05 13 16-0085)*		
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	11,575.53	
26 05 13 16-0168		**Wire Connections** *(26 05 13 16-0001)*		
26 05 13 16-0169		**Medium Voltage Up To 5 KV** *(26 05 13 16-0168)*		
26 05 13 16-0170		**Shielded One Conductor Cable Splice** *(26 05 13 16-0169)*		
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	218.51	79.98
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	273.16	79.98
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	273.16	79.98
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	296.96	95.97
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	296.96	95.97
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	296.96	95.97
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	328.70	111.97
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	328.70	111.97
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	328.70	111.97
26 05 13 16-0180		**Cable Termination Without Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	306.42	95.97
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	354.45	111.97
26 05 13 16-0183		**Cable Termination With Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	850.49	191.94
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,172.39	263.92
26 05 13 16-0186		**Connect To Pothead, Pothead Included** *(26 05 13 16-0169)*		
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	883.50	191.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,116.55	219.93
26 05 13 16-0189		**Two Conductor Pothead** *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	732.01	263.92
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	964.73	335.90
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,387.19	380.84
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,139.66	444.34
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,835.01	666.44
26 05 13 16-0195		**Three Conductor Pothead** *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,503.79	383.88
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,759.77	447.86
26 05 13 16-0198		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	50.96	
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	56.10	
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	65.42	
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	74.28	
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	83.79	
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	93.03	
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	102.18	
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	111.77	
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	121.08	
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	130.60	
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	140.36	
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	149.53	
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	168.93	
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	188.91	
26 05 13 16-0213		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	52.14	
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	56.75	
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	76.42	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	89.25	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	98.19	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	107.10	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	117.48	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	127.12	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	136.50	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	146.13	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	155.59	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	177.60	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	199.74	
26 05 13 16-0227		**15 KV** *(26 05 13 16-0168)*		
26 05 13 16-0228		**Single Conductor Pothead On Racks** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	895.77	335.90
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	1,137.02	415.87
26 05 13 16-0231		**Two Conductor Pothead On Rack** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	1,334.59	511.84
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	1,597.64	607.81
26 05 13 16-0234		**Three Conductor Pothead On Rack** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	1,712.14	663.79
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	2,134.85	831.74
26 05 13 16-0237		**Stress Relief Cone On Rack** *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	855.89	335.90
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	1,092.18	415.87
26 05 13 16-0240		**Grounded, Shielded Cable Splice** *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	602.39	247.93
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	773.34	319.90
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	3,266.54	879.72
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	4,078.38	959.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0245		**Cable Termination** *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	382.85	139.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.97*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	485.82	179.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.96*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	600.14	219.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.96*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	237.60	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 05 13 16-0250		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	437.77	103.97
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	496.08	114.91
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	581.82	125.75
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	736.79	144.89
26 05 13 16-0255		**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	875.54	208.29
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	992.27	229.81
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	1,154.31	246.83
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	1,473.58	289.76
26 05 13 16-0260		**35 KV** *(26 05 13 16-0168)*		
26 05 13 16-0261		**35 KV One Conductor Splice** *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	1,500.95	
26 05 13 16-0263		**Cable Termination** *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	316.29	96.05
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	441.75	144.92
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	503.41	154.99
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	253.66	79.98
26 05 13 16-0268		**70 KV** *(26 05 13 16-0168)*		
26 05 13 16-0269		**Cable Splice** *(26 05 13 16-0268)*		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing	6,275.02	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing	1,541.29	

26 05 19 Low-Voltage Electrical Power Conductors And Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001 Under Carpet Power System *(26 05 19 13)*

Note: Includes laying out, floor prep, taping, testing, drill floor, folds.

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	7.06	0.36
26 05 19 13-0003	LF	Steel, Top Shield	7.83	0.36
26 05 19 13-0004	EA	3-Conductor, Splice	32.85	6.21
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	7.52	2.92
26 05 19 13-0006	EA	3-Conductor, Tap	41.72	7.30
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	74.07	6.21
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	49.01	3.65
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	146.67	11.68
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	246.57	18.25
26 05 19 13-0011	EA	Floor Mounted Box With Cover	251.95	14.60
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	11.61	0.36
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	11.52	0.36
26 05 19 13-0014	EA	5-Conductor, Splice	33.43	6.21
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	66.91	3.65
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	99.08	14.60
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	61.08	12.04
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	83.83	13.87
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	36.95	5.47
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.06	0.36
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	24.36	7.30
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	24.36	7.30
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	131.38	36.50

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit.
Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.25	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.13	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.42	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.26	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0007		**Bore Conduit Into Dirt Or Sand** *(26 05 19 16-0001)* Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	2.41	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	3.07	
26 05 19 16-0010		**Wire and Cable** *(26 05 19 16)* Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		
26 05 19 16-0011		**600 Volt Wire** *(26 05 19 16-0010)*		
26 05 19 16-0012		**Single Solid Conductor, Copper** *(26 05 19 16-0011)*		
26 05 19 16-0013	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	432.04	177.15
26 05 19 16-0014	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	538.70	208.39
26 05 19 16-0015	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	663.08	254.81
26 05 19 16-0016	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	618.59	177.15
26 05 19 16-0017	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	755.41	208.39
26 05 19 16-0018	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	918.47	254.81
26 05 19 16-0019		**Power Cable, Stranded Conductor, Copper** *(26 05 19 16-0011)*		
26 05 19 16-0020		**Power Cable, Stranded, Single Conductor, XHHW-2** *(26 05 19 16-0019)*		
26 05 19 16-0021	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	474.78	145.98
26 05 19 16-0022	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	559.39	175.18
26 05 19 16-0023	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	693.00	204.38
26 05 19 16-0024	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	859.71	233.57
26 05 19 16-0025	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,153.49	291.97
26 05 19 16-0026	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,576.23	350.35
26 05 19 16-0027	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,174.83	437.95
26 05 19 16-0028	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,582.06	496.34
26 05 19 16-0029	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,070.75	554.73
26 05 19 16-0030	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,837.06	613.13
26 05 19 16-0031	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,617.82	700.72
26 05 19 16-0032	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,552.55	788.30
26 05 19 16-0033	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,673.74	875.90
26 05 19 16-0034	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	8,032.50	963.48
26 05 19 16-0035	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	8,500.33	1,051.07
26 05 19 16-0036	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,123.06	1,138.66
26 05 19 16-0037	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,794.30	1,226.25
26 05 19 16-0038	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	12,097.67	1,313.84
26 05 19 16-0039	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,057.35	1,401.43
26 05 19 16-0040	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,228.11	1,518.22
26 05 19 16-0041	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	24,918.29	1,693.40
26 05 19 16-0042	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	35,311.65	1,985.36
26 05 19 16-0043		**Power Cable, Stranded, Multi Conductor, XHHW-2** *(26 05 19 16-0019)*		
26 05 19 16-0044	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,118.77	350.28
26 05 19 16-0045	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,386.18	408.82
26 05 19 16-0046	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,726.67	496.34
26 05 19 16-0047	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,078.37	539.92
26 05 19 16-0048	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,273.22	569.26
26 05 19 16-0049	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,661.81	627.57
26 05 19 16-0050	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,756.72	654.14
26 05 19 16-0051	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,245.54	715.31
26 05 19 16-0052	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,598.18	759.26
26 05 19 16-0053	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,323.36	963.56
26 05 19 16-0054	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,069.73	1,430.63
26 05 19 16-0055	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,386.18	408.82
26 05 19 16-0056	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,787.12	496.34
26 05 19 16-0057	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,188.08	583.93
26 05 19 16-0058	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,864.83	525.32
26 05 19 16-0059	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,431.78	641.74
26 05 19 16-0060	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,147.23	817.65
26 05 19 16-0061	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,283.27	1,051.43
26 05 19 16-0062	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,839.78	1,343.11
26 05 19 16-0063	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,343.48	598.53
26 05 19 16-0064	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,022.52	700.72
26 05 19 16-0065	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,920.55	890.50
26 05 19 16-0066	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,079.53	671.52
26 05 19 16-0067	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,181.24	832.10
26 05 19 16-0068	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,366.96	1,026.26
26 05 19 16-0069	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,196.69	814.72
26 05 19 16-0070	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,569.60	931.88
26 05 19 16-0071	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,227.01	1,162.89
26 05 19 16-0072	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,848.79	992.39
26 05 19 16-0073	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,826.14	1,109.76
26 05 19 16-0074	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,385.24	1,459.82
26 05 19 16-0075	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,415.72	1,401.21
26 05 19 16-0076	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,594.59	1,751.06

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0077		MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	12,394.32	1,518.51
26 05 19 16-0078		MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	15,122.96	1,751.06
26 05 19 16-0079		MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	18,559.18	2,042.88
26 05 19 16-0080		MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	24,502.39	2,626.59
26 05 19 16-0081		MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	22,715.69	2,337.69
26 05 19 16-0082		MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	24,184.30	2,626.59
26 05 19 16-0083		MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	30,485.08	2,919.65
26 05 19 16-0084		MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	39,683.41	3,208.84

26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0011)

Note: Direct bury.

26 05 19 16-0086		MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	627.42	
26 05 19 16-0087		MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	738.06	
26 05 19 16-0088		MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	920.79	
26 05 19 16-0089		MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,208.48	
26 05 19 16-0090		MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,680.01	
26 05 19 16-0091		MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,208.37	
26 05 19 16-0092		MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,176.31	
26 05 19 16-0093		MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,934.98	
26 05 19 16-0094		MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,815.79	
26 05 19 16-0095		MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,822.28	
26 05 19 16-0096		MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,002.69	
26 05 19 16-0097		MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,905.06	
26 05 19 16-0098		MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,562.16	
26 05 19 16-0099		MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,224.93	
26 05 19 16-0100		MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,421.86	
26 05 19 16-0101		MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,818.65	
26 05 19 16-0102		MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,149.02	
26 05 19 16-0103		MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,868.55	
26 05 19 16-0104		MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	28,234.57	
26 05 19 16-0105		MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	554.47	
26 05 19 16-0106		MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	666.90	
26 05 19 16-0107		MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	802.72	
26 05 19 16-0108		MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	982.54	
26 05 19 16-0109		MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,273.29	
26 05 19 16-0110		MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,703.82	
26 05 19 16-0111		MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,328.45	
26 05 19 16-0112		MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,771.41	
26 05 19 16-0113		MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,134.57	
26 05 19 16-0114		MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,533.41	
26 05 19 16-0115		MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,121.31	
26 05 19 16-0116		MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,839.04	
26 05 19 16-0117		MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,504.73	
26 05 19 16-0118		MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,208.72	
26 05 19 16-0119		MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,975.68	
26 05 19 16-0120		MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,770.02	
26 05 19 16-0121		MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,098.68	
26 05 19 16-0122		MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,463.23	
26 05 19 16-0123		MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	436.46	
26 05 19 16-0124		MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	540.26	
26 05 19 16-0125		MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	664.64	
26 05 19 16-0126		MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	924.46	
26 05 19 16-0127		MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,245.24	
26 05 19 16-0128		MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,630.61	
26 05 19 16-0129		MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,313.70	
26 05 19 16-0130		MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,743.59	
26 05 19 16-0131		MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,190.73	
26 05 19 16-0132		MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,611.69	
26 05 19 16-0133		MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,260.47	
26 05 19 16-0134		MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,056.98	
26 05 19 16-0135		MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,916.25	
26 05 19 16-0136		MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,810.27	
26 05 19 16-0137		MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,769.00	
26 05 19 16-0138		MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,695.10	
26 05 19 16-0139		MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,278.20	
26 05 19 16-0140		MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,317.36	
26 05 19 16-0141		MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,231.41	
26 05 19 16-0142		MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,839.02	
26 05 19 16-0143		MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,520.35	
26 05 19 16-0144		MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,128.20	
26 05 19 16-0145		MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,962.42	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0146	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,738.86	
26 05 19 16-0147	MLF	250 MCM,Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,338.76	
26 05 19 16-0148	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,982.17	
26 05 19 16-0149	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,027.97	
26 05 19 16-0150	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,867.15	

26 05 19 16-0151 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0011)*

26 05 19 16-0152 ACTHH, Solid *(26 05 19 16-0151)*

26 05 19 16-0153	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	1,728.91	479.85
26 05 19 16-0154	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	1,994.71	543.83
26 05 19 16-0155	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	2,285.90	575.82
26 05 19 16-0156	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	2,485.40	799.75
26 05 19 16-0157	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	2,660.06	895.56
26 05 19 16-0158	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	3,378.19	992.25
26 05 19 16-0159	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	4,430.78	1,088.06
26 05 19 16-0160	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,010.61	895.56
26 05 19 16-0161	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	3,150.02	992.25
26 05 19 16-0162	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	4,038.97	1,120.13
26 05 19 16-0163	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	5,264.24	1,215.46
26 05 19 16-0164	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,595.46	992.25
26 05 19 16-0165	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	3,937.45	1,120.13
26 05 19 16-0166	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,023.29	1,247.69
26 05 19 16-0167	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	6,536.32	1,344.14

26 05 19 16-0168 ACTHH, Stranded *(26 05 19 16-0151)*

26 05 19 16-0169	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	4,591.48	1,152.36
26 05 19 16-0170	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	5,607.57	1,311.03
26 05 19 16-0171	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	5,424.67	1,279.60
26 05 19 16-0172	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	6,818.74	1,438.43
26 05 19 16-0173	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	8,649.76	1,599.50
26 05 19 16-0174	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	9,952.29	1,757.69
26 05 19 16-0175	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	11,413.43	1,917.88
26 05 19 16-0176	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,013.60	1,535.04
26 05 19 16-0177	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	8,507.22	1,694.35
26 05 19 16-0178	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	10,975.42	1,855.58
26 05 19 16-0179	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	12,029.98	2,014.49
26 05 19 16-0180	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	14,294.51	2,173.24

26 05 19 16-0181 HCFC, Solid *(26 05 19 16-0151)*

26 05 19 16-0182	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	2,790.69	799.75
26 05 19 16-0183	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	3,053.35	898.60
26 05 19 16-0184	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	3,414.52	987.37
26 05 19 16-0185	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	3,389.78	898.60
26 05 19 16-0186	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	3,634.66	987.37
26 05 19 16-0187	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	4,769.56	1,126.45
26 05 19 16-0188	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,176.20	987.37
26 05 19 16-0189	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,558.37	1,126.45
26 05 19 16-0190	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,259.46	1,249.61

26 05 19 16-0191 MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0151)*

26 05 19 16-0192	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	2,476.63	799.75
26 05 19 16-0193	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	2,765.56	898.60
26 05 19 16-0194	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,336.32	987.37
26 05 19 16-0195	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,293.44	1,055.11
26 05 19 16-0196	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,370.94	1,118.53
26 05 19 16-0197	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	2,863.73	898.60
26 05 19 16-0198	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,234.51	987.37
26 05 19 16-0199	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,126.87	1,126.45
26 05 19 16-0200	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,395.55	1,215.46
26 05 19 16-0201	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,324.43	1,311.03
26 05 19 16-0202	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,854.73	1,408.04
26 05 19 16-0203	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,924.45	1,503.29
26 05 19 16-0204	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,327.41	987.37
26 05 19 16-0205	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,812.52	1,126.45
26 05 19 16-0206	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,822.49	1,249.61
26 05 19 16-0207	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,941.06	1,376.53
26 05 19 16-0208	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,734.54	1,472.82
26 05 19 16-0209	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,898.12	1,568.15
26 05 19 16-0210	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	16,714.32	1,662.68

26 05 19 16-0211 MC, Solid Or Stranded, Aluminum Armor *(26 05 19 16-0151)*

26 05 19 16-0212	MLF	2 Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	2,455.50	799.75
26 05 19 16-0213	MLF	2 Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	2,710.78	898.60
26 05 19 16-0214	MLF	2 Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	3,287.87	987.37
26 05 19 16-0215	MLF	3 Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	2,951.97	898.60
26 05 19 16-0216	MLF	3 Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	3,185.84	987.37
26 05 19 16-0217	MLF	3 Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	4,088.38	1,126.45
26 05 19 16-0218	MLF	4 Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	3,746.88	987.37
26 05 19 16-0219	MLF	4 Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	4,116.54	1,126.45

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0220		MLF	4 Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	5,822.49	1,249.61
26 05 19 16-0221			**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0151)*		
			Note: Color coded red.		
26 05 19 16-0222		MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,494.58	607.81
26 05 19 16-0223		MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,833.30	703.78
26 05 19 16-0224		MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,509.90	799.75
26 05 19 16-0225		MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,025.16	895.72
26 05 19 16-0226		MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,839.73	703.78
26 05 19 16-0227		MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,355.58	799.75
26 05 19 16-0228		MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,210.46	895.72
26 05 19 16-0229		MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,788.86	991.69
26 05 19 16-0230			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0151)*		
			Note: Color coded red.		
26 05 19 16-0231		MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,155.07	799.75
26 05 19 16-0232		MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	3,914.67	895.72
26 05 19 16-0233		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	5,202.15	991.69
26 05 19 16-0234		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	6,029.56	1,087.66
26 05 19 16-0235		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	3,976.64	895.72
26 05 19 16-0236		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	4,862.51	991.69
26 05 19 16-0237			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0151)*		
			Note: Color coded red.		
26 05 19 16-0238		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,705.02	607.81
26 05 19 16-0239		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,332.05	895.72
26 05 19 16-0240		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,325.51	703.78
26 05 19 16-0241		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	3,927.29	799.75
26 05 19 16-0242		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,457.60	991.69
26 05 19 16-0243		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	3,895.60	831.74
26 05 19 16-0244		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,810.59	959.70
26 05 19 16-0245			**Armored Cable Connectors** *(26 05 19 16-0151)*		
26 05 19 16-0246		EA	3/4" Armored Cable Connector	4.81	1.75
			For Work In Restricted Working Space, Add	*1.31*	
			For Elevated Installation >10' To 15', Add	*0.44*	
			For Elevated Installation >15' To 20', Add	*0.88*	
			For Elevated Installation >20' To 25', Add	*1.10*	
			For Elevated Installation >25' To 30', Add	*1.53*	
			For Elevated Installation >30' To 35', Add	*1.75*	
			For Elevated Installation >35' To 40', Add	*2.19*	
			For Elevated Installation >40', Add	*2.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.31*	
26 05 19 16-0247		EA	1" Armored Cable Connector	6.43	2.34
			For Work In Restricted Working Space, Add	*1.75*	
			For Elevated Installation >10' To 15', Add	*0.58*	
			For Elevated Installation >15' To 20', Add	*1.17*	
			For Elevated Installation >20' To 25', Add	*1.46*	
			For Elevated Installation >25' To 30', Add	*2.04*	
			For Elevated Installation >30' To 35', Add	*2.34*	
			For Elevated Installation >35' To 40', Add	*2.92*	
			For Elevated Installation >40', Add	*3.21*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 19 16-0248		EA	1-1/4" Armored Cable Connector	8.08	2.92
			For Work In Restricted Working Space, Add	*2.19*	
			For Elevated Installation >10' To 15', Add	*0.73*	
			For Elevated Installation >15' To 20', Add	*1.46*	
			For Elevated Installation >20' To 25', Add	*1.83*	
			For Elevated Installation >25' To 30', Add	*2.56*	
			For Elevated Installation >30' To 35', Add	*2.92*	
			For Elevated Installation >35' To 40', Add	*3.65*	
			For Elevated Installation >40', Add	*4.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 19 16-0249			**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0011)*		
26 05 19 16-0250		MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	634.86	117.00
			For EPR Insulation, Add	*29.54*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*68.92*	
26 05 19 16-0251		MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	711.67	129.56
			For EPR Insulation, Add	*30.11*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*70.26*	
26 05 19 16-0252		MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	877.00	161.97
			For EPR Insulation, Add	*43.96*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*102.57*	
26 05 19 16-0253		MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,211.71	257.66
			For EPR Insulation, Add	*72.27*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*168.63*	
26 05 19 16-0254		MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,685.51	309.19
			For EPR Insulation, Add	*121.44*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*283.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0255	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,319.71	358.97
		For EPR Insulation, Add	*183.73*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*428.69*	
26 05 19 16-0256	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,648.50	410.87
		For EPR Insulation, Add	*211.15*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*492.68*	
26 05 19 16-0257	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,376.14	462.76
		For EPR Insulation, Add	*298.40*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*696.26*	
26 05 19 16-0258	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,220.69	515.39
		For EPR Insulation, Add	*403.18*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*940.76*	
26 05 19 16-0259	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,108.76	581.45
		For EPR Insulation, Add	*503.55*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,174.94*	
26 05 19 16-0260	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,190.56	644.80
		For EPR Insulation, Add	*632.97*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,476.93*	
26 05 19 16-0261	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,462.88	719.84
		For EPR Insulation, Add	*790.97*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,845.60*	
26 05 19 16-0262	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,430.63	800.34
		For EPR Insulation, Add	*903.29*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,107.67*	
26 05 19 16-0263	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,965.05	877.79
		For EPR Insulation, Add	*950.61*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,218.08*	
26 05 19 16-0264	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,631.08	964.94
		For EPR Insulation, Add	*1,167.66*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,724.55*	
26 05 19 16-0265	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,881.83	1,022.97
		For EPR Insulation, Add	*1,322.43*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,085.67*	
26 05 19 16-0266	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,343.44	1,143.33
		For EPR Insulation, Add	*1,508.83*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,520.59*	
26 05 19 16-0267	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,298.55	1,271.58
		For EPR Insulation, Add	*1,769.25*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,128.24*	
26 05 19 16-0268	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,975.32	1,322.97
		For EPR Insulation, Add	*2,126.97*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,962.93*	
26 05 19 16-0269	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	29,555.63	1,374.28
		For EPR Insulation, Add	*3,798.32*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*8,862.75*	
26 05 19 16-0270	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	37,380.04	1,468.44
		For EPR Insulation, Add	*4,928.19*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*11,499.11*	
26 05 19 16-0271	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	977.60	262.62
26 05 19 16-0272	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,206.24	291.97
26 05 19 16-0273	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,506.83	350.65
26 05 19 16-0274	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,783.50	408.60
26 05 19 16-0275	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,581.32	437.51
26 05 19 16-0276	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	340.08	145.98
26 05 19 16-0277	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	424.17	160.58
26 05 19 16-0278	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	433.06	117.08
26 05 19 16-0279	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	535.39	139.56
26 05 19 16-0280	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	657.33	175.55
26 05 19 16-0281	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	911.72	231.38
26 05 19 16-0282	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,224.18	279.41
26 05 19 16-0283	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,598.15	330.21
26 05 19 16-0284	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,903.11	373.79
26 05 19 16-0285	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,262.61	418.61
26 05 19 16-0286	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,678.98	472.40
26 05 19 16-0287	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,115.25	517.29
26 05 19 16-0288	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,523.13	571.66
26 05 19 16-0289	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,147.96	604.66
26 05 19 16-0290	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,916.98	680.27
26 05 19 16-0291	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,745.74	723.71
26 05 19 16-0292	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,607.62	819.62
26 05 19 16-0293	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,531.14	907.06
26 05 19 16-0294	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,423.56	931.88
26 05 19 16-0295	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,941.69	985.89
26 05 19 16-0296	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,244.38	1,160.19
26 05 19 16-0297	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,503.31	1,374.28
26 05 19 16-0298	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,133.53	1,659.24
26 05 19 16-0299	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,519.48	350.65
26 05 19 16-0300	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,703.97	408.60
26 05 19 16-0301	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,969.39	467.51
26 05 19 16-0302	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,495.27	525.32
26 05 19 16-0303	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,818.48	583.93
26 05 19 16-0304	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,514.18	641.74

26 05 19 16-0305 600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0011)*

26 05 19 16-0306	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	747.85	231.69
26 05 19 16-0307	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	881.36	269.41
26 05 19 16-0308	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,146.64	345.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0309	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,378.54	386.18
26 05 19 16-0310	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,583.55	435.09
26 05 19 16-0311	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,786.41	480.22
26 05 19 16-0312	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,082.76	541.95
26 05 19 16-0313	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,303.58	597.92
26 05 19 16-0314	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,630.61	657.30
26 05 19 16-0315	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,150.83	714.81
26 05 19 16-0316	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,317.14	772.30
26 05 19 16-0317	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,768.38	859.01
26 05 19 16-0318	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,152.05	945.69
26 05 19 16-0319	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,019.19	1,101.62
26 05 19 16-0320	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,634.20	1,207.68
26 05 19 16-0321	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,772.66	1,252.45
26 05 19 16-0322	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,731.11	1,519.29
26 05 19 16-0323	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	801.86	259.19
26 05 19 16-0324	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	902.31	291.97
26 05 19 16-0325	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,110.45	359.19
26 05 19 16-0326	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,389.24	440.28
26 05 19 16-0327	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,718.23	518.31
26 05 19 16-0328	MLF	1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,967.40	584.15
26 05 19 16-0329	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,221.15	648.82
26 05 19 16-0330	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,513.92	707.87
26 05 19 16-0331	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,710.37	753.34
26 05 19 16-0332	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,024.68	806.04
26 05 19 16-0333	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,554.15	863.85
26 05 19 16-0334	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,750.49	933.19
26 05 19 16-0335	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,201.46	1,017.64
26 05 19 16-0336	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,747.75	1,167.86
26 05 19 16-0337	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,388.89	1,229.03
26 05 19 16-0338	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,913.27	1,295.74
26 05 19 16-0339	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,143.88	1,377.05
26 05 19 16-0340	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,846.13	1,929.89
26 05 19 16-0341	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	931.05	291.97
26 05 19 16-0342	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,156.31	359.12
26 05 19 16-0343	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,435.52	440.87
26 05 19 16-0344	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,765.40	515.39
26 05 19 16-0345	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,993.79	581.45
26 05 19 16-0346	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,244.18	644.80
26 05 19 16-0347	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,562.78	707.87
26 05 19 16-0348	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,779.89	753.34
26 05 19 16-0349	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,105.74	805.53
26 05 19 16-0350	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,656.54	864.95
26 05 19 16-0351	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,887.77	934.43
26 05 19 16-0352	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,285.39	1,015.31
26 05 19 16-0353	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,931.05	1,167.86
26 05 19 16-0354	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,535.46	1,225.74
26 05 19 16-0355	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,078.36	1,295.74
26 05 19 16-0356	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,340.19	1,372.89

26 05 19 16-0357 Non-Metallic Sheathed Cable *(26 05 19 16-0011)*

26 05 19 16-0358 Indoor Installation *(26 05 19 16-0357)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0359	MLF	2 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	1,646.77	554.66
26 05 19 16-0360	MLF	3 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,032.22	671.52
26 05 19 16-0361	MLF	2 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	1,806.92	630.64
26 05 19 16-0362	MLF	3 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,270.01	700.57
26 05 19 16-0363	MLF	2 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,306.90	700.93
26 05 19 16-0364	MLF	3 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,848.24	817.65
26 05 19 16-0365	MLF	2 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,984.17	839.40
26 05 19 16-0366	MLF	3 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,905.35	1,014.58
26 05 19 16-0367	MLF	2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,614.46	956.18
26 05 19 16-0368	MLF	3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,691.16	1,153.26
26 05 19 16-0369	MLF	3 Conductors With Ground Cable, #4 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,179.64	1,270.05
26 05 19 16-0370	MLF	3 Conductors With Ground Cable, #3 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,760.12	1,379.53

26 05 19 16-0371 Direct Burial Cable *(26 05 19 16-0357)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0372	MLF	# 14-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	1,718.17	
26 05 19 16-0373	MLF	# 14-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,179.61	
26 05 19 16-0374	MLF	# 12-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,175.47	
26 05 19 16-0375	MLF	# 12-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,556.01	
26 05 19 16-0376	MLF	# 10-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,420.97	
26 05 19 16-0377	MLF	# 10-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,045.50	
26 05 19 16-0378	MLF	# 8-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,249.84	
26 05 19 16-0379	MLF	# 8-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,109.74	
26 05 19 16-0380	MLF	# 6-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,187.58	
26 05 19 16-0381	MLF	# 6-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,987.65	

26 05 19 16-0382 SEU Cable Copper, 3 Conductor *(26 05 19 16-0357)*

26 05 19 16-0383	MLF	12-12-12 Cable SEU Copper	2,110.89	704.02
26 05 19 16-0384	MLF	10-10-10 Cable SEU Copper	2,626.63	799.75
26 05 19 16-0385	MLF	8-8-8 Cable SEU Copper	3,241.55	895.56

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0386	MLF	6-6-8 Cable SEU Copper	3,882.27	960.10
26 05 19 16-0387	MLF	6-6-6 Cable SEU Copper	4,165.44	992.25
26 05 19 16-0388	MLF	4-4-6 Cable SEU Copper	5,045.61	1,088.06
26 05 19 16-0389	MLF	4-4-4 Cable SEU Copper	5,422.88	1,120.13
26 05 19 16-0390	MLF	3-3-5 Cable SEU Copper	6,290.77	1,215.46
26 05 19 16-0391	MLF	3-3-3 Cable SEU Copper	6,678.90	1,279.60
26 05 19 16-0392	MLF	2-2-4 Cable SEU Copper	7,128.91	1,344.14
26 05 19 16-0393	MLF	2-2-2 Cable SEU Copper	7,614.25	1,408.04
26 05 19 16-0394	MLF	1-1-1 Cable SEU Copper	9,288.20	1,599.50
26 05 19 16-0395	MLF	1/0-1/0-1/0 Cable SEU Copper	11,025.27	1,793.20
26 05 19 16-0396	MLF	2/0-2/0-2/0 Cable SEU Copper	13,240.71	2,019.60
26 05 19 16-0397	MLF	3/0-3/0-3/0 Cable SEU Copper	15,883.24	2,246.50
26 05 19 16-0398	MLF	4/0-4/0-4/0 Cable SEU Copper	17,749.49	2,507.05

26 05 19 16-0399 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0357)*

26 05 19 16-0400	MLF	8-8-8 Cable SEU Aluminum	2,624.10	898.60
26 05 19 16-0401	MLF	6-6-6 Cable SEU Aluminum	2,953.85	987.37
26 05 19 16-0402	MLF	4-4-6 Cable SEU Aluminum	3,288.85	1,080.79
26 05 19 16-0403	MLF	4-4-4 Cable SEU Aluminum	3,438.48	1,126.45
26 05 19 16-0404	MLF	2-2-4 Cable SEU Aluminum	4,099.05	1,332.94
26 05 19 16-0405	MLF	2-2-2 Cable SEU Aluminum	4,339.25	1,403.08
26 05 19 16-0406	MLF	1-1-1 Cable SEU Aluminum	5,125.65	1,599.50
26 05 19 16-0407	MLF	1/0-1/0-2 Cable SEU Aluminum	5,416.22	1,683.71
26 05 19 16-0408	MLF	1/0-1/0-1/0 Cable SEU Aluminum	6,311.50	1,777.20
26 05 19 16-0409	MLF	2/0-2/0-1 Cable SEU Aluminum	6,118.45	1,904.21
26 05 19 16-0410	MLF	2/0-2/0-2/0 Cable SEU Aluminum	6,451.24	1,999.38
26 05 19 16-0411	MLF	3/0-3/0-1/0 Cable SEU Aluminum	6,942.55	2,093.59
26 05 19 16-0412	MLF	3/0-3/0-3/0 Cable SEU Aluminum	7,408.96	2,221.54
26 05 19 16-0413	MLF	4/0-4/0-2/0 Cable SEU Aluminum	7,878.83	2,401.65
26 05 19 16-0414	MLF	4/0-4/0-4/0 Cable SEU Aluminum	8,283.57	2,499.22

26 05 19 16-0415 SER Cable Copper, 4 Conductor *(26 05 19 16-0357)*

26 05 19 16-0416	MLF	6-6-6-6 Cable SER Copper	7,293.23	1,152.36
26 05 19 16-0417	MLF	4-4-4-6 Cable SER Copper	9,478.46	1,247.69
26 05 19 16-0418	MLF	3-3-3-5 Cable SER Copper	11,146.45	1,408.04
26 05 19 16-0419	MLF	2-2-2-4 Cable SER Copper	13,045.15	1,535.04
26 05 19 16-0420	MLF	1-1-1-3 Cable SER Copper	15,923.74	1,757.69
26 05 19 16-0421	MLF	1/0-1/0-1/0-2 Cable SER Copper	20,324.85	2,014.49
26 05 19 16-0422	MLF	2/0-2/0-2/0-1 Cable SER Copper	24,347.62	2,173.24
26 05 19 16-0423	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	29,427.44	2,430.84

26 05 19 16-0424 Control Tray Cable, Low Voltage *(26 05 19 16-0010)*

Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.

26 05 19 16-0425	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	788.84	354.08
		For Work In Restricted Working Space, Add	*177.04*	
26 05 19 16-0426	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	915.61	396.08
		For Work In Restricted Working Space, Add	*198.04*	
26 05 19 16-0427	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	967.66	396.05
		For Work In Restricted Working Space, Add	*198.04*	
26 05 19 16-0428	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,211.17	496.77
		For Work In Restricted Working Space, Add	*248.38*	
26 05 19 16-0429	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,534.08	605.35
		For Work In Restricted Working Space, Add	*302.68*	
26 05 19 16-0430	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	1,762.38	665.68
		For Work In Restricted Working Space, Add	*332.84*	
26 05 19 16-0431	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,112.25	756.38
		For Work In Restricted Working Space, Add	*378.19*	
26 05 19 16-0432	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	2,685.79	924.51
		For Work In Restricted Working Space, Add	*462.25*	
26 05 19 16-0433	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,090.88	1,008.59
		For Work In Restricted Working Space, Add	*504.29*	
26 05 19 16-0434	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	3,730.10	1,040.12
		For Work In Restricted Working Space, Add	*520.06*	
26 05 19 16-0435	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	4,564.37	1,299.39
		For Work In Restricted Working Space, Add	*649.70*	
26 05 19 16-0436	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	5,492.70	1,518.58
		For Work In Restricted Working Space, Add	*759.29*	
26 05 19 16-0437	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	869.55	372.98
		For Work In Restricted Working Space, Add	*186.35*	
26 05 19 16-0438	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,014.23	416.92
		For Work In Restricted Working Space, Add	*208.46*	
26 05 19 16-0439	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,184.39	479.99
		For Work In Restricted Working Space, Add	*239.99*	
26 05 19 16-0440	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,350.54	522.90
		For Work In Restricted Working Space, Add	*261.45*	
26 05 19 16-0441	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	1,718.47	637.21
		For Work In Restricted Working Space, Add	*318.61*	
26 05 19 16-0442	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	1,983.99	700.72
		For Work In Restricted Working Space, Add	*350.36*	
26 05 19 16-0443	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,391.50	796.18
		For Work In Restricted Working Space, Add	*398.09*	
26 05 19 16-0444	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,053.06	973.12
		For Work In Restricted Working Space, Add	*486.56*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0445	MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable	3,531.68	1,061.58
	For Work In Restricted Working Space, Add	*530.79*	
26 05 19 16-0446	MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable	4,320.49	1,094.87
	For Work In Restricted Working Space, Add	*547.43*	
26 05 19 16-0447	MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable	5,277.91	1,367.71
	For Work In Restricted Working Space, Add	*683.85*	
26 05 19 16-0448	MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable	6,366.34	1,598.50
	For Work In Restricted Working Space, Add	*799.25*	
26 05 19 16-0449	MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable	950.50	389.34
	For Work In Restricted Working Space, Add	*194.67*	
26 05 19 16-0450	MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,149.80	437.95
	For Work In Restricted Working Space, Add	*218.97*	
26 05 19 16-0451	MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,354.72	500.58
	For Work In Restricted Working Space, Add	*250.29*	
26 05 19 16-0452	MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,537.23	539.11
	For Work In Restricted Working Space, Add	*269.56*	
26 05 19 16-0453	MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,077.25	660.86
	For Work In Restricted Working Space, Add	*330.43*	
26 05 19 16-0454	MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable	2,411.40	729.91
	For Work In Restricted Working Space, Add	*365.03*	
26 05 19 16-0455	MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable	3,001.72	814.58
	For Work In Restricted Working Space, Add	*407.29*	
26 05 19 16-0456	MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable	3,585.32	972.98
	For Work In Restricted Working Space, Add	*486.56*	
26 05 19 16-0457	MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable	6,331.24	1,130.64
	For Work In Restricted Working Space, Add	*565.17*	
26 05 19 16-0458	MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable	5,444.47	1,321.87
	For Work In Restricted Working Space, Add	*661.08*	
26 05 19 16-0459	MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable	6,359.91	1,477.19
	For Work In Restricted Working Space, Add	*738.60*	
26 05 19 16-0460	MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable	7,690.12	1,726.38
	For Work In Restricted Working Space, Add	*863.19*	
26 05 19 16-0461	MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,126.59	416.92
	For Work In Restricted Working Space, Add	*208.46*	
26 05 19 16-0462	MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,365.91	461.30
	For Work In Restricted Working Space, Add	*230.58*	
26 05 19 16-0463	MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable	1,677.13	530.80
	For Work In Restricted Working Space, Add	*265.40*	
26 05 19 16-0464	MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable	1,917.39	564.95
	For Work In Restricted Working Space, Add	*282.47*	
26 05 19 16-0465	MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable	2,565.62	673.57
	For Work In Restricted Working Space, Add	*336.78*	
26 05 19 16-0466	MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable	3,183.98	796.18
	For Work In Restricted Working Space, Add	*398.09*	
26 05 19 16-0467	MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable	3,909.95	898.23
	For Work In Restricted Working Space, Add	*449.11*	
26 05 19 16-0468	MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable	4,674.48	1,030.49
	For Work In Restricted Working Space, Add	*515.24*	
26 05 19 16-0469	MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable	5,554.21	1,168.01
	For Work In Restricted Working Space, Add	*584.00*	
26 05 19 16-0470	MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable	7,183.75	1,365.08
	For Work In Restricted Working Space, Add	*682.54*	
26 05 19 16-0471	MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable	8,311.04	1,595.44
	For Work In Restricted Working Space, Add	*797.72*	
26 05 19 16-0472	MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable	10,086.54	1,864.77
	For Work In Restricted Working Space, Add	*932.39*	
26 05 19 16-0473	MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,374.54	437.95
	For Work In Restricted Working Space, Add	*218.97*	
26 05 19 16-0474	MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable	1,752.13	480.28
	For Work In Restricted Working Space, Add	*239.99*	
26 05 19 16-0475	MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,154.33	547.43
	For Work In Restricted Working Space, Add	*273.72*	
26 05 19 16-0476	MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable	2,527.40	593.85
	For Work In Restricted Working Space, Add	*296.93*	
26 05 19 16-0477	MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable	3,454.15	745.39
	For Work In Restricted Working Space, Add	*372.69*	
26 05 19 16-0478	MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable	4,122.75	834.29
	For Work In Restricted Working Space, Add	*417.14*	
26 05 19 16-0479	MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable	4,803.60	973.12
	For Work In Restricted Working Space, Add	*486.56*	
26 05 19 16-0480	MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable	5,698.81	1,112.82
	For Work In Restricted Working Space, Add	*556.41*	
26 05 19 16-0481	MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable	6,791.95	1,261.28
	For Work In Restricted Working Space, Add	*630.65*	
26 05 19 16-0482	MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable	8,838.09	1,474.13
	For Work In Restricted Working Space, Add	*737.06*	
26 05 19 16-0483	MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable	10,219.04	1,722.89
	For Work In Restricted Working Space, Add	*861.44*	
26 05 19 16-0484	MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable	12,429.01	2,014.11
	For Work In Restricted Working Space, Add	*1,007.06*	

26 05 19 16-0485 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0010)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0486 ACSR Cable *(26 05 19 16-0485)*

26 05 19 16-0487	MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,030.15	362.05
26 05 19 16-0488	MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,083.53	375.94
26 05 19 16-0489	MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,150.60	390.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0490	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,204.42	404.54
26 05 19 16-0491	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,300.79	418.26
26 05 19 16-0492	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,498.95	474.15
26 05 19 16-0493	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,708.84	528.77
26 05 19 16-0494	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,935.09	584.15
26 05 19 16-0495	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	2,350.79	750.70
26 05 19 16-0496	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	2,683.06	861.12
26 05 19 16-0497		**All Aluminum Conductors** *(26 05 19 16-0485)*		
26 05 19 16-0498	MLF	795.0 ACSR Conductor Aluminum	19,794.83	7,085.23
26 05 19 16-0499		**Single Conductor Installed On Poles** *(26 05 19 16-0010)*		
26 05 19 16-0500		**Bare Stranded Conductor** *(26 05 19 16-0499)*		
26 05 19 16-0501	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	894.99	306.76
26 05 19 16-0502	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,038.73	334.36
26 05 19 16-0503	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,183.37	362.30
26 05 19 16-0504	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,428.66	390.41
26 05 19 16-0505	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,715.02	418.60
26 05 19 16-0506	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,417.87	502.09
26 05 19 16-0507	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,770.89	557.72
26 05 19 16-0508	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,152.57	612.34
26 05 19 16-0509	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,190.53	726.28
26 05 19 16-0510	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,066.92	835.02
26 05 19 16-0511	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,458.21	946.36
26 05 19 16-0512	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,876.48	1,115.34
26 05 19 16-0513	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	7,047.23	1,174.07
26 05 19 16-0514	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,705.40	1,229.53
26 05 19 16-0515	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	9,589.23	1,279.97
26 05 19 16-0516	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,117.04	1,334.60
26 05 19 16-0517		**Insulated Stranded Conductor** *(26 05 19 16-0499)*		
26 05 19 16-0518	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	957.83	306.76
26 05 19 16-0519	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,119.81	334.36
26 05 19 16-0520	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,343.44	362.30
26 05 19 16-0521	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,458.96	390.41
26 05 19 16-0522	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,761.25	418.60
26 05 19 16-0523	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,351.11	502.09
26 05 19 16-0524	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,764.23	557.72
26 05 19 16-0525	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,245.52	612.34
26 05 19 16-0526	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,905.08	726.28
26 05 19 16-0527	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,669.04	835.02
26 05 19 16-0528	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,489.25	946.36
26 05 19 16-0529	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,686.57	1,115.34
26 05 19 16-0530	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,549.93	1,174.07
26 05 19 16-0531	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,256.98	1,229.53
26 05 19 16-0532	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,217.42	1,279.97
26 05 19 16-0533	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,326.22	1,334.60
26 05 19 16-0534		**Bare Solid Conductor** *(26 05 19 16-0499)*		
26 05 19 16-0535	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	894.99	306.76
26 05 19 16-0536	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,183.37	362.30
26 05 19 16-0537	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,428.66	390.41
26 05 19 16-0538	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,695.92	418.60
26 05 19 16-0539		**Multi-Conductor Cords, Cables And Associated Equipment** *(26 05 19 16-0010)*		
26 05 19 16-0540		**Multi-Conductor Cords** *(26 05 19 16-0539)*		
		Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0541		**Multi-Conductor Type SOOW And SJOOW Cord** *(26 05 19 16-0540)*		
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0542		**300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0541)*		
26 05 19 16-0543		**#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0542)*		
26 05 19 16-0544	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.93	0.32
26 05 19 16-0545	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.99	0.32
26 05 19 16-0546	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.15	0.32
26 05 19 16-0547		**#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0542)*		
26 05 19 16-0548	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.08	0.32
26 05 19 16-0549	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.18	0.32
26 05 19 16-0550	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.31	0.32
26 05 19 16-0551		**#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0542)*		
26 05 19 16-0552	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.26	0.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0553	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.41	0.32
26 05 19 16-0554	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.71	0.32
26 05 19 16-0555		#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0542)*		
26 05 19 16-0556	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.51	0.32
26 05 19 16-0557	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.70	0.32
26 05 19 16-0558	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.96	0.32
26 05 19 16-0559		#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0542)*		
26 05 19 16-0560	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.06	0.40
26 05 19 16-0561	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.19	0.40
26 05 19 16-0562	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.38	0.40
26 05 19 16-0563		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0541)*		
26 05 19 16-0564		#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0563)*		
26 05 19 16-0565	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.99	0.32
26 05 19 16-0566	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.10	0.32
26 05 19 16-0567	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.24	0.32
26 05 19 16-0568	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.31	0.43
26 05 19 16-0569	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.55	0.44
26 05 19 16-0570	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.73	0.45
26 05 19 16-0571	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.03	0.47
26 05 19 16-0572	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.53	0.49
26 05 19 16-0573	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.07	0.50
26 05 19 16-0574	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.52	0.51
26 05 19 16-0575	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.62	0.53
26 05 19 16-0576	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.77	0.54
26 05 19 16-0577	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.47	0.55
26 05 19 16-0578	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.28	0.56
26 05 19 16-0579	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.63	0.60
26 05 19 16-0580		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0563)*		
26 05 19 16-0581	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.17	0.32
26 05 19 16-0582	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.27	0.32
26 05 19 16-0583	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.46	0.32
26 05 19 16-0584	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.44	0.43
26 05 19 16-0585	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.72	0.44
26 05 19 16-0586	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.00	0.45
26 05 19 16-0587	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.35	0.47
26 05 19 16-0588	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.50	0.48
26 05 19 16-0589	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.93	0.49
26 05 19 16-0590	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.65	0.50
26 05 19 16-0591	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.02	0.51
26 05 19 16-0592	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.72	0.53
26 05 19 16-0593	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.67	0.54
26 05 19 16-0594	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.54	0.55
26 05 19 16-0595	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.21	0.56
26 05 19 16-0596	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.17	0.57
26 05 19 16-0597	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.91	0.60
26 05 19 16-0598		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0563)*		
26 05 19 16-0599	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.44	0.32
26 05 19 16-0600	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.55	0.32
26 05 19 16-0601	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.82	0.32
26 05 19 16-0602	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.29	0.43
26 05 19 16-0603	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.01	0.44
26 05 19 16-0604	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.25	0.45
26 05 19 16-0605	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.83	0.47
26 05 19 16-0606	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.21	0.48
26 05 19 16-0607	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.86	0.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0608	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.48	0.50
26 05 19 16-0609	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.20	0.51
26 05 19 16-0610	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.74	0.53
26 05 19 16-0611	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.86	0.55
26 05 19 16-0612	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.70	0.56
26 05 19 16-0613	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.91	0.60
26 05 19 16-0614		**#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0563)*		
26 05 19 16-0615	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.71	0.32
26 05 19 16-0616	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.92	0.32
26 05 19 16-0617	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.12	0.32
26 05 19 16-0618	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.83	0.43
26 05 19 16-0619	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.49	0.44
26 05 19 16-0620	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.17	0.45
26 05 19 16-0621	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.91	0.47
26 05 19 16-0622	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.43	0.48
26 05 19 16-0623	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.34	0.49
26 05 19 16-0624	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.41	0.50
26 05 19 16-0625	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.40	0.51
26 05 19 16-0626	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.40	0.53
26 05 19 16-0627	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.86	0.54
26 05 19 16-0628	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.59	0.55
26 05 19 16-0629	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.36	0.56
26 05 19 16-0630	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.14	0.57
26 05 19 16-0631	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.71	0.59
26 05 19 16-0632	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	17.32	0.60
26 05 19 16-0633		**#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0563)*		
26 05 19 16-0634	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.00	0.40
26 05 19 16-0635	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.18	0.40
26 05 19 16-0636	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.36	0.40
26 05 19 16-0637	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.25	0.43
26 05 19 16-0638	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.59	0.44
26 05 19 16-0639	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.64	0.45
26 05 19 16-0640	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.64	0.49
26 05 19 16-0641	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.96	0.50
26 05 19 16-0642	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.82	0.53
26 05 19 16-0643	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	18.86	0.55
26 05 19 16-0644		**#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0563)*		
26 05 19 16-0645	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.25	0.48
26 05 19 16-0646	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.65	0.56
26 05 19 16-0647	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.52	0.56
26 05 19 16-0648		**#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0563)*		
26 05 19 16-0649	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.29	0.56
26 05 19 16-0650	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.61	0.64
26 05 19 16-0651	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.14	0.80
26 05 19 16-0652		**#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0563)*		
26 05 19 16-0653	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.16	0.80
26 05 19 16-0654	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.19	0.88
26 05 19 16-0655	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.59	0.96
26 05 19 16-0656		**#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0563)*		
26 05 19 16-0657	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	14.81	1.60
26 05 19 16-0658	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	18.89	1.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0659	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	22.59	2.64
26 05 19 16-0660		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0541)*		
26 05 19 16-0661		#18, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0660)*		
26 05 19 16-0662	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.32	0.32
26 05 19 16-0663	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.32
26 05 19 16-0664	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.83	0.32
26 05 19 16-0665		#16, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0660)*		
26 05 19 16-0666	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.42	0.32
26 05 19 16-0667	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.70	0.32
26 05 19 16-0668	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.82	0.32
26 05 19 16-0669		#14, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0660)*		
26 05 19 16-0670	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.10	0.32
26 05 19 16-0671	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.21	0.32
26 05 19 16-0672	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	4.19	0.40
26 05 19 16-0673		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0541)*		
26 05 19 16-0674		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0673)*		
26 05 19 16-0675	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.02	0.32
26 05 19 16-0676	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.48	0.32
26 05 19 16-0677	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.97	0.32
26 05 19 16-0678		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0673)*		
26 05 19 16-0679	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.18	0.32
26 05 19 16-0680	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.66	0.32
26 05 19 16-0681	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42	0.32
26 05 19 16-0682	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.70	0.40
26 05 19 16-0683		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0673)*		
26 05 19 16-0684	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.77	0.32
26 05 19 16-0685	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.32
26 05 19 16-0686	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.81	0.40
26 05 19 16-0687		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0673)*		
26 05 19 16-0688	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.35	0.32
26 05 19 16-0689	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.89	0.32
26 05 19 16-0690	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.36	0.40
26 05 19 16-0691		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0673)*		
26 05 19 16-0692	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.87	0.40
26 05 19 16-0693	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.35	0.40
26 05 19 16-0694	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.81	0.40
26 05 19 16-0695		Multi-Conductor Type SEOW Cord *(26 05 19 16-0540)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0696		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0695)*		
26 05 19 16-0697		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0696)*		

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26 05 19 16-0698	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.44	0.32
26 05 19 16-0699	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.63	0.32
26 05 19 16-0700	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.64	0.40
26 05 19 16-0701		**#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0696)*		
26 05 19 16-0702	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.01	0.32
26 05 19 16-0703	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.36	0.32
26 05 19 16-0704	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.53	0.40
26 05 19 16-0705		**#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0696)*		
26 05 19 16-0706	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.59	0.32
26 05 19 16-0707	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.05	0.32
26 05 19 16-0708	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.91	0.40
26 05 19 16-0709		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0696)*		
26 05 19 16-0710	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.35	0.40
26 05 19 16-0711	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.91	0.40
26 05 19 16-0712	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.19	0.40
26 05 19 16-0713		**Multi-Conductor Type W Cord** *(26 05 19 16-0540)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0714		**2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0713)*		
26 05 19 16-0715		**#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0714)*		
26 05 19 16-0716	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.71	0.48
26 05 19 16-0717	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.08	0.56
26 05 19 16-0718	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.08	0.56
26 05 19 16-0719		**#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0714)*		
26 05 19 16-0720	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.04	0.56
26 05 19 16-0721	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.03	0.64
26 05 19 16-0722	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.53	0.80
26 05 19 16-0723		**#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0714)*		
26 05 19 16-0724	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.08	0.56
26 05 19 16-0725	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.38	0.64
26 05 19 16-0726	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	10.83	0.80
26 05 19 16-0727		**Cord Grips, Cable Reels, Extension Cords, And Accessories** *(26 05 19 16-0539)*		
26 05 19 16-0728		**Cord Grips** *(26 05 19 16-0727)*		
26 05 19 16-0729	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	50.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.54*	
26 05 19 16-0730	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	50.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.54*	
26 05 19 16-0731		**Cable Reels** *(26 05 19 16-0727)* Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0732	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	571.43	39.98
26 05 19 16-0733	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,627.35	39.98
26 05 19 16-0734	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,209.95	39.98
26 05 19 16-0735		**Extension Cords** *(26 05 19 16-0727)*		
26 05 19 16-0736	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	121.16	
26 05 19 16-0737	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	171.31	
26 05 19 16-0738		**Plugs And Connector Bodies** *(26 05 19 16-0727)* Note: Up to 277 volt		
26 05 19 16-0739		**NEMA Twist-Lock Plugs** *(26 05 19 16-0738)*		
26 05 19 16-0740	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	59.80	
26 05 19 16-0741	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	61.33	
26 05 19 16-0742	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	54.91	
26 05 19 16-0743	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	59.61	
26 05 19 16-0744	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	81.66	
26 05 19 16-0745	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	87.64	
26 05 19 16-0746	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	93.48	
26 05 19 16-0747	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	82.55	
26 05 19 16-0748	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	96.91	
26 05 19 16-0749	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	99.71	
26 05 19 16-0750	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	103.27	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0751		**NEMA Twist-Lock Connector Bodies** *(26 05 19 16-0738)*			
26 05 19 16-0752	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)		64.13	
26 05 19 16-0753	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)		69.53	
26 05 19 16-0754	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)		58.15	
26 05 19 16-0755	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)		82.55	
26 05 19 16-0756	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)		98.31	
26 05 19 16-0757	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)		105.93	
26 05 19 16-0758	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)		131.60	
26 05 19 16-0759	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)		125.12	
26 05 19 16-0760	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)		157.27	
26 05 19 16-0761	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)		165.79	
26 05 19 16-0762	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)		156.51	
26 05 19 16-0763		**Watertight Pin And Sleeve Plug** *(26 05 19 16-0738)*			
26 05 19 16-0764	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)		186.90	24.00
26 05 19 16-0765	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)		188.92	24.00
26 05 19 16-0766	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)		204.56	24.00
26 05 19 16-0767	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)		204.64	26.39
26 05 19 16-0768	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)		201.61	26.39
26 05 19 16-0769	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)		202.51	26.39
26 05 19 16-0770	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)		285.86	29.51
26 05 19 16-0771	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)		278.30	29.51
26 05 19 16-0772	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)		310.77	29.51
26 05 19 16-0773	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)		304.96	32.39
26 05 19 16-0774	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)		291.84	32.39
26 05 19 16-0775	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)		300.87	32.39
26 05 19 16-0776	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)		388.59	38.39
26 05 19 16-0777	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)		395.79	38.39
26 05 19 16-0778	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)		378.73	38.39
26 05 19 16-0779	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)		431.42	42.71
26 05 19 16-0780	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)		420.22	42.71
26 05 19 16-0781	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)		425.06	42.71
26 05 19 16-0782	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)		533.77	47.98
26 05 19 16-0783	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)		561.57	47.98
26 05 19 16-0784	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)		546.86	52.78
26 05 19 16-0785	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)		537.37	52.78
26 05 19 16-0786	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)		542.50	52.78
26 05 19 16-0787		**Watertight Pin And Sleeve Connector** *(26 05 19 16-0738)*			
26 05 19 16-0788	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)		198.49	24.00
26 05 19 16-0789	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)		199.88	24.00
26 05 19 16-0790	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)		235.91	24.00
26 05 19 16-0791	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)		233.84	26.39
26 05 19 16-0792	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)		230.18	26.39
26 05 19 16-0793	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)		233.49	26.39
26 05 19 16-0794	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)		292.78	29.51
26 05 19 16-0795	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)		292.71	29.51
26 05 19 16-0796	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)		305.13	29.51
26 05 19 16-0797	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)		301.59	32.39
26 05 19 16-0798	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)		304.15	32.39
26 05 19 16-0799	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)		301.45	32.39
26 05 19 16-0800	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)		459.60	38.39
26 05 19 16-0801	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)		444.39	38.39
26 05 19 16-0802	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)		435.32	38.39
26 05 19 16-0803	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)		473.68	42.71
26 05 19 16-0804	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)		486.91	42.71
26 05 19 16-0805	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)		487.88	42.71
26 05 19 16-0806	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)		611.67	47.98
26 05 19 16-0807	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)		629.12	47.98
26 05 19 16-0808	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)		679.71	52.78
26 05 19 16-0809	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)		655.74	52.78
26 05 19 16-0810	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)		663.91	52.78
26 05 19 16-0811		**Accessories** *(26 05 19 16-0727)*			
26 05 19 16-0812	EA	1/2" Straight Steel Cord Connector		37.94	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.80*	
26 05 19 16-0813	EA	1/2" Straight Nylon Cord Connector		22.97	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.60*	
26 05 19 16-0814	EA	1/2" 90 Degree Steel Cord Connector		43.58	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.00*	
26 05 19 16-0815	EA	1/2" 90 Degree Nylon Cord Connector		27.79	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.80*	
26 05 19 16-0816	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh		43.04	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.00*	
26 05 19 16-0817	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh		73.52	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.20*	
26 05 19 16-0818	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh		27.37	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.80*	
26 05 19 16-0819	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh		45.58	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0820	EA	3/4" Straight Steel Cord Connector	39.48	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 19 16-0821	EA	3/4" Straight Nylon Cord Connector	23.74	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 19 16-0822	EA	3/4" 90 Degree Steel Cord Connector	48.40	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 19 16-0823	EA	3/4" 90 Degree Nylon Cord Connector	30.20	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 19 16-0824	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	48.65	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 19 16-0825	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	57.82	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 05 19 16-0826	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	32.99	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 19 16-0827	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	39.83	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 19 16-0828	EA	1" Straight Steel Cord Connector	49.39	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 19 16-0829	EA	1" Straight Nylon Cord Connector	28.70	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 19 16-0830	EA	1" 90 Degree Steel Cord Connector	54.95	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 19 16-0831	EA	1" 90 Degree Nylon Cord Connector	33.47	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 19 16-0832	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	59.05	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 19 16-0833	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	64.69	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 05 19 16-0834	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	38.27	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 19 16-0835	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	44.30	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	328.99	93.07
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	378.66	98.03
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	411.39	103.65
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	499.41	108.03
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	524.19	113.13
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	578.80	117.84
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	625.90	122.56
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	681.64	127.44
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	735.56	131.27
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	360.31	93.07
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	434.54	98.03
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	500.05	103.65
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	536.02	108.03
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	597.71	113.13
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	612.55	117.84
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	677.41	122.56
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	805.25	127.44
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	888.02	131.27

26 05 26 Grounding And Bonding For Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	404.96	156.84
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	527.86	156.84
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	651.40	188.92
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	881.48	188.92
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,170.93	228.14
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	1,819.44	228.14
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	2,099.97	274.47
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	2,461.29	274.47
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	3,428.94	345.76
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	4,217.41	345.76
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	4,487.23	459.83
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	5,740.11	459.83
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	5,767.42	531.12
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	7,736.94	531.12
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	10,538.62	655.88

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	735.34	213.87
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	789.50	213.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,006.44	213.87
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,148.20	370.72
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	1,542.10	370.72
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	2,164.64	370.72
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	2,609.63	648.75
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	3,177.23	648.75
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	3,713.70	648.75
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	4,410.77	648.75
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	5,191.10	848.37
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	6,260.03	848.37
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	7,279.57	848.37
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	8,550.01	1,318.90
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	11,128.61	1,318.90

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	404.96	156.84
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	527.86	156.84
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	651.40	188.92
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	881.48	188.92
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,170.93	228.14
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	1,819.44	228.14
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	2,461.29	274.47
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	4,487.23	363.58

26 05 26 00-0044 Copper Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0045	LF	29 Strand x 17 AWG Smooth Weave Copper Conductor	2.57	0.51
26 05 26 00-0046	LF	32 Strand x 17 AWG Smooth Weave Copper Conductor	2.74	0.54
26 05 26 00-0047	LF	36 Strand x 17 AWG Smooth Weave Copper Conductor	3.35	0.65
26 05 26 00-0048	LF	40 Strand x 17 AWG Smooth Weave Copper Conductor	3.56	0.67
26 05 26 00-0049	LF	24 Strand x 14 AWG Smooth Weave Copper Conductor	4.38	0.77
26 05 26 00-0050	LF	29 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	2.83	0.51
26 05 26 00-0051	LF	32 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	3.08	0.54
26 05 26 00-0052	LF	40 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	3.64	0.67

26 05 26 00-0053 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0054	MLF	8 AWG Aluminum Bare Single Stranded Conductor	471.05	188.92
26 05 26 00-0055	MLF	6 AWG Aluminum Bare Single Stranded Conductor	516.98	188.92
26 05 26 00-0056	MLF	4 AWG Aluminum Bare Single Stranded Conductor	588.13	228.14
26 05 26 00-0057	MLF	2 AWG Aluminum Bare Single Stranded Conductor	733.06	228.14
26 05 26 00-0058	MLF	1 AWG Aluminum Bare Single Stranded Conductor	843.47	274.47
26 05 26 00-0059	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	966.08	274.47
26 05 26 00-0060	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,102.65	345.76
26 05 26 00-0061	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	1,267.43	345.76
26 05 26 00-0062	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	1,508.98	459.83
26 05 26 00-0063	MLF	250 MCM Aluminum Bare Single Stranded Conductor	1,689.77	459.83
26 05 26 00-0064	MLF	300 MCM Aluminum Bare Single Stranded Conductor	2,004.86	531.12
26 05 26 00-0065	MLF	350 MCM Aluminum Bare Single Stranded Conductor	2,273.69	531.12
26 05 26 00-0066	MLF	500 MCM Aluminum Bare Single Stranded Conductor	2,677.11	655.88

26 05 26 00-0067 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0068	MLF	8 AWG Aluminum Bare Single Solid Conductor	471.05	188.92
26 05 26 00-0069	MLF	6 AWG Aluminum Bare Single Solid Conductor	516.98	188.92
26 05 26 00-0070	MLF	4 AWG Aluminum Bare Single Solid Conductor	588.13	228.14
26 05 26 00-0071	MLF	2 AWG Aluminum Bare Single Solid Conductor	733.06	228.14
26 05 26 00-0072	MLF	1 AWG Aluminum Bare Single Solid Conductor	814.70	363.58
26 05 26 00-0073	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	966.08	363.58
26 05 26 00-0074	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,031.39	345.76
26 05 26 00-0075	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,123.92	345.76
26 05 26 00-0076	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	1,508.98	459.83
26 05 26 00-0077	MLF	250 MCM Aluminum Bare Single Solid Conductor	1,689.77	459.83
26 05 26 00-0078	MLF	300 MCM Aluminum Bare Single Solid Conductor	2,004.86	531.12
26 05 26 00-0079	MLF	350 MCM Aluminum Bare Single Solid Conductor	2,273.69	531.12
26 05 26 00-0080	MLF	500 MCM Aluminum Bare Single Solid Conductor	2,677.11	655.88

26 05 26 00-0081 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0082	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.85	0.55
26 05 26 00-0083	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.04	0.61
26 05 26 00-0084	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.42	0.69
26 05 26 00-0085	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.44	0.71
26 05 26 00-0086	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.56	0.74

26 05 26 00-0087 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0088	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	100.03	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 05 26 00-0089	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	175.60	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0090	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	226.69	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 05 26 00-0091	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	277.08	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 05 26 00-0092	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	237.06	25.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.99*	
26 05 26 00-0093	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	310.57	25.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.99*	
26 05 26 00-0094	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	374.43	25.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.99*	
26 05 26 00-0095	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	310.30	32.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 26 00-0096	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	373.07	39.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	

26 05 26 00-0097 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0098	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	129.13	43.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.99*	
26 05 26 00-0099	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	159.11	43.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.76*	
26 05 26 00-0100	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	237.37	67.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 05 26 00-0101	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	355.45	67.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.43*	

26 05 26 00-0102 Ground Rods *(26 05 26)*

26 05 26 00-0103 Copper-Clad Ground Rods *(26 05 26 00-0102)*

26 05 26 00-0104	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	73.80	59.98
26 05 26 00-0105	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	77.70	59.98
26 05 26 00-0106	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	93.44	59.98
26 05 26 00-0107	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	87.27	59.98
26 05 26 00-0108	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	92.14	59.98
26 05 26 00-0109	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	111.81	59.98

26 05 26 00-0110 Ground Access Wells *(26 05 26 00-0102)*

26 05 26 00-0111 Precast Ground Access Wells *(26 05 26 00-0110)*

26 05 26 00-0112	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	177.58	
26 05 26 00-0113	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	184.90	
26 05 26 00-0114	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	512.28	
26 05 26 00-0115	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	519.60	

26 05 26 00-0116 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0110)*

26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	417.41	
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	491.69	
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	920.06	
26 05 26 00-0120	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	398.62	
26 05 26 00-0121	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	301.87	
26 05 26 00-0122	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	881.99	
26 05 26 00-0123	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	220.33	
26 05 26 00-0124	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	235.61	
26 05 26 00-0125	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	249.08	
26 05 26 00-0126	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	167.75	
26 05 26 00-0127	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	250.76	
26 05 26 00-0128	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	447.30	
26 05 26 00-0129	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	596.66	
26 05 26 00-0130	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	358.26	
26 05 26 00-0131	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	523.88	
26 05 26 00-0132	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	556.67	
26 05 26 00-0133	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	678.10	
26 05 26 00-0134	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	296.39	
26 05 26 00-0135	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	523.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0136	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	563.89	
26 05 26 00-0137		**Polymer Concrete Ground Access Well** *(26 05 26 00-0110)*		
26 05 26 00-0138	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	324.91	
26 05 26 00-0139	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	355.69	
26 05 26 00-0140	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	357.52	
26 05 26 00-0141	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	391.35	
26 05 26 00-0142	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	391.35	
26 05 26 00-0143	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	428.54	
26 05 26 00-0144	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	519.36	
26 05 26 00-0145	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	569.95	
26 05 26 00-0146		**High Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0110)*		
26 05 26 00-0147	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	122.55	
26 05 26 00-0148	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	169.73	
26 05 26 00-0149		**Ground Rod Clamps And Fittings** *(26 05 26)*		
26 05 26 00-0150		**Bronze Ground Rod Clamp** *(26 05 26 00-0149)*		
26 05 26 00-0151	EA	1/2" Bronze Ground Rod Clamp	17.52	9.04
26 05 26 00-0152	EA	5/8" Bronze Ground Rod Clamp	18.51	9.04
26 05 26 00-0153	EA	3/4" Bronze Ground Rod Clamp	19.90	9.04
26 05 26 00-0154		**Bronze Pipe Clamps** *(26 05 26 00-0149)*		
26 05 26 00-0155	EA	1/2" To 1" Bronze Pipe Ground Clamps	21.99	15.03
26 05 26 00-0156	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	28.41	17.99
26 05 26 00-0157	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	44.60	21.03
26 05 26 00-0158	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	54.02	27.03
26 05 26 00-0159	EA	4" To 6" Bronze Ground Clamps For Pipe	83.63	39.03
26 05 26 00-0160		**Grounding Fittings** *(26 05 26 00-0149)*		
26 05 26 00-0161		**Embedded Fittings** *(26 05 26 00-0160)*		
26 05 26 00-0162	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	118.21	
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	127.12	
26 05 26 00-0164	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	142.92	
26 05 26 00-0165	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	107.71	
26 05 26 00-0166	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	129.00	
26 05 26 00-0167	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	151.57	
26 05 26 00-0168	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	171.43	
26 05 26 00-0169		**Ground Rod Receptacle** *(26 05 26 00-0160)*		
26 05 26 00-0170	EA	1/2" Ground Rod Receptacle	257.04	83.17
26 05 26 00-0171	EA	5/8" Ground Rod Receptacle	269.68	85.52
26 05 26 00-0172	EA	3/4" Ground Rod Receptacle	282.55	87.84
26 05 26 00-0173		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0160)*		
26 05 26 00-0174	EA	14-8 AWG Copper Ground Kit	56.76	20.00
26 05 26 00-0175	EA	12-8 AWG Aluminum Ground Kit	55.33	20.00
26 05 26 00-0176	EA	14-4 AWG Copper Ground Kit	64.25	20.00
26 05 26 00-0177	EA	12-4 AWG Aluminum Ground Kit	66.08	20.00
26 05 26 00-0178		**Insulated Grounding Bars** *(26 05 26 00-0149)*		
26 05 26 00-0179	EA	1/2" x 4" x 10" Insulated Ground Bar	251.71	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 05 26 00-0180	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	266.18	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 05 26 00-0181		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0182		**Ground Conductor Bonding** *(26 05 26 00-0181)*		
26 05 26 00-0183		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0182)*		
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	91.37	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	99.36	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	107.36	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	155.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0188		Tee, Wye Or Cross Cadweld *(26 05 26 00-0182)*		
26 05 26 00-0189	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross	103.36	
		Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0190	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	119.35	
		Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0191	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	147.35	
		Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0192	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross	179.33	
		Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0193		Grounding Equipment *(26 05 26)*		
26 05 26 00-0194		Special Grounding Equipment *(26 05 26 00-0193)*		
26 05 26 00-0195		Ground Reels And Ground Bus *(26 05 26 00-0194)*		
26 05 26 00-0196	EA	Ground Reel With 50' Of Galvanized Steel Cable	636.27	
26 05 26 00-0197		Copper Bars *(26 05 26 00-0194)*		
26 05 26 00-0198	LF	1/4" x 2" Copper Bar	35.96	
26 05 26 00-0199		Phenolic Insulators *(26 05 26 00-0194)*		
26 05 26 00-0200	EA	2" x 2" x 1" Long Phenolic Insulators	22.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 26 00-0201		Grounding Studs *(26 05 26 00-0194)*		
26 05 26 00-0202	EA	Ball Grounding Stud	32.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.16*	
26 05 26 00-0203		Equipment Ground Bar Kits *(26 05 26 00-0194)*		
26 05 26 00-0204	EA	Switch Rating 30 Ground Bar Kit	26.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 26 00-0205	EA	Switch Rating 60 Ground Bar Kit	34.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 05 26 00-0206	EA	Switch Rating 100 Ground Bar Kit	39.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 26 00-0207	EA	Switch Rating 200 Ground Bar Kit	72.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 05 26 00-0208		Panelboard Ground Bar Kits *(26 05 26 00-0194)*		
26 05 26 00-0209	EA	Panelboard Ground Bar Kit	109.83	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 26 00-0210		Circuit Breaker Ground Bar Kits *(26 05 26 00-0194)*		
26 05 26 00-0211	EA	3 Circuit, Ground Bar Kit	22.07	3.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 26 00-0212	EA	4 Circuit, Ground Bar Kit	21.60	3.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 26 00-0213	EA	7 Circuit, Ground Bar Kit	22.38	3.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 26 00-0214	EA	12 Circuit, Ground Bar Kit	25.36	4.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.08*	
26 05 26 00-0215	EA	20 Circuit, Ground Bar Kit	28.98	4.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.56*	
26 05 26 00-0216	EA	24 Circuit, Ground Bar Kit	31.98	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.04*	
26 05 26 00-0217	EA	30 Circuit, Ground Bar Kit	35.61	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 05 26 00-0218	EA	54 Circuit, Ground Bar Kit	41.13	6.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.72*	
26 05 26 00-0219	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	47.62	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.04*	
26 05 26 00-0220	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	52.49	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 05 26 00-0221	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	58.17	6.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.72*	
26 05 29		Hangers And Supports For Electrical Systems *(26 05)*		
26 05 29 00-0001		Metal Framing Channel And Fittings *(26 05 29)*		
26 05 29 00-0002		Metal Framing Channel *(26 05 29 00-0001)*		
		Note: Excludes fasteners and accessories.		
26 05 29 00-0003		14 Gauge Metal Framing Channels *(26 05 29 00-0002)*		
26 05 29 00-0004		14 Gauge, Steel Unistrut Channel *(26 05 29 00-0003)*		
26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.32	4.38
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	14.24	4.38

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26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	6.39	1.64
26 05 29 00-0008		**14 Gauge, 304 Stainless Steel Unistrut Channel** *(26 05 29 00-0003)*		
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.15	4.38
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	30.25	4.38
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	41.88	4.38
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	48.10	4.38
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	20.22	1.65
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	23.32	1.65
26 05 29 00-0015		**14 Gauge, 316 Stainless Steel Unistrut Channel** *(26 05 29 00-0003)*		
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	40.56	4.38
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	68.72	4.38
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	33.63	1.65
26 05 29 00-0019		**12 Gauge Metal Framing Channels** *(26 05 29 00-0002)*		
26 05 29 00-0020		**12 Gauge, Steel Unistrut Channel** *(26 05 29 00-0019)*		
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.08	4.38
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.82	4.38
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.66	4.38
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.75	4.38
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.24	4.38
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.90	4.38
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	7.15	1.64
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	6.89	1.64
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	6.73	1.64
26 05 29 00-0030		**12 Gauge, 304 Stainless Steel Unistrut Channel** *(26 05 29 00-0019)*		
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	31.28	4.38
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.64	4.38
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	50.16	4.38
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	60.88	4.38
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	24.35	1.64
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.71	1.64
26 05 29 00-0037		**Metal Framing Channel Fittings** *(26 05 29 00-0001)*		
26 05 29 00-0038		**Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0037)*		
26 05 29 00-0039		**Steel Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0038)*		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	3.39	0.40
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings	9.03	4.01
26 05 29 00-0042		**Stainless Steel Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0038)*		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	16.03	4.01
26 05 29 00-0044		**Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0037)*		
26 05 29 00-0045		**Steel Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0044)*		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	3.56	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	3.54	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.20	
26 05 29 00-0049		**Stainless Steel Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0044)*		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	14.65	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	21.94	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	28.11	
26 05 29 00-0053		**90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0037)*		
26 05 29 00-0054		**Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0053)*		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.46	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	2.97	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.79	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.73	
26 05 29 00-0059		**Stainless Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0053)*		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.26	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	10.40	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.78	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.59	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	11.48	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.44	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	12.09	

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26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	17.66	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	6.66	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0071)*		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	2.65	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	2.90	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0071)*		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	17.54	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	6.82	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	34.38	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0037)* Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.12	1.20
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.13	1.20
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.19	1.20
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.07	1.61
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.36	1.61
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.39	1.61
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.41	2.00
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.67	2.00
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.92	2.00
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.01	2.00
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.31	1.20
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.12	1.20
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.94	1.20
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.81	1.61
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.06	1.61
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.66	1.61
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.16	2.00
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.17	2.00
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.04	2.00
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.22	2.00
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.81	1.20
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.96	1.20
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.28	1.20
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.96	1.61
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.92	1.61
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.12	1.61
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.69	2.00
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.71	2.00
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	24.99	2.00
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	29.44	2.00
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	22.15	7.30
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	16.34	7.30
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	21.56	7.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	38.67	7.30
26 05 29 00-0123		Square Washers For Unistrut Channel *(26 05 29 00-0037)*		
26 05 29 00-0124		Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0125	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	2.56	
26 05 29 00-0126		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0127	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.99	
26 05 29 00-0128	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	5.10	
26 05 29 00-0129		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0130	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	17.94	
26 05 29 00-0131		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0132	EA	Steel Trolley Track Hanger For Unistrut Channel	22.47	
26 05 29 00-0133		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0037)*		
		Note: Includes hex bolt.		
26 05 29 00-0134		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)*		
		Note: Includes hex bolt.		
26 05 29 00-0135	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.01	
26 05 29 00-0136	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	5.36	
26 05 29 00-0137	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	5.63	
26 05 29 00-0138	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	7.07	
26 05 29 00-0139		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)*		
		Note: Includes hex bolt.		
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	11.72	
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	12.48	
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	17.68	
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	30.28	
26 05 29 00-0144		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0037)*		
		Note: Includes hex bolt.		
26 05 29 00-0145		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)*		
		Note: Includes hex bolt.		
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.02	
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	5.41	
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	5.65	
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	7.48	
26 05 29 00-0150		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)*		
		Note: Includes hex bolt.		
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	8.38	
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.12	
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.03	
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	29.49	
26 05 29 00-0155		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0156		Galvanized Steel Mounting Assemblies *(26 05 29 00-0155)*		
26 05 29 00-0157		Galvanized Steel Back Plate *(26 05 29 00-0156)*		
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	335.52	47.98
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	82.86	16.00
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	209.81	39.98
26 05 29 00-0161		Aluminum Mounting Assemblies *(26 05 29 00-0155)*		
26 05 29 00-0162		Aluminum Back Plate *(26 05 29 00-0161)*		
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate	280.55	59.98
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate	792.22	59.98
26 05 29 00-0165		Supports *(26 05 29)*		
26 05 29 00-0166		One Hole Steel Conduit Straps *(26 05 29 00-0165)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap	2.93	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap	2.97	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap	3.18	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap	3.34	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap	3.45	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap	4.10	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap	4.77	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap	4.99	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap	6.09	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0176	EA	4", One Hole Steel Conduit Strap	6.97	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.21*	

26 05 29 00-0177 One Hole Iron Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0178	EA	1/2", One Hole Iron Conduit Strap	3.03	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.82*	
26 05 29 00-0179	EA	3/4", One Hole Iron Conduit Strap	3.14	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0180	EA	1", One Hole Iron Conduit Strap	3.32	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.84*	
26 05 29 00-0181	EA	1-1/4", One Hole Iron Conduit Strap	3.78	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0182	EA	1-1/2", One Hole Iron Conduit Strap	3.96	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0183	EA	2", One Hole Iron Conduit Strap	5.12	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.02*	
26 05 29 00-0184	EA	2-1/2", One Hole Iron Conduit Strap	7.60	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0185	EA	3", One Hole Iron Conduit Strap	9.67	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0186	EA	3-1/2", One Hole Iron Conduit Strap	12.70	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.78*	
26 05 29 00-0187	EA	4", One Hole Iron Conduit Strap	24.82	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.99*	
26 05 29 00-0188	EA	5", One Hole Iron Conduit Strap	31.34	
		For Work In Restricted Working Space, Add	*0.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.65*	

26 05 29 00-0189 Two Hole Steel Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0190	EA	1/2", Two Hole Steel Conduit Strap	3.35	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0191	EA	3/4", Two Hole Steel Conduit Strap	3.43	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0192	EA	1", Two Hole Steel Conduit Strap	3.46	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0193	EA	1-1/4", Two Hole Steel Conduit Strap	3.51	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0194	EA	1-1/2", Two Hole Steel Conduit Strap	3.55	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0195	EA	2", Two Hole Steel Conduit Strap	3.64	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0196	EA	2-1/2", Two Hole Steel Conduit Strap	4.14	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0197	EA	3", Two Hole Steel Conduit Strap	4.25	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0198	EA	3-1/2", Two Hole Steel Conduit Strap	4.64	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0199	EA	4", Two Hole Steel Conduit Strap	4.91	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.07*	
26 05 29 00-0200	EA	5", Two Hole Steel Conduit Strap	5.26	
		For Work In Restricted Working Space, Add	*0.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.10*	

26 05 29 00-0201 Clamp Back Spacers *(26 05 29 00-0165)*

26 05 29 00-0202	EA	1/2" Conduit, Clamp Back Spacer	2.51	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0203	EA	3/4" Conduit, Clamp Back Spacer	2.66	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.66*	
26 05 29 00-0204	EA	1" Conduit, Clamp Back Spacer	2.81	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.68*	
26 05 29 00-0205	EA	1-1/4" Conduit, Clamp Back Spacer	3.37	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0206	EA	1-1/2" Conduit, Clamp Back Spacer	3.83	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.78*	
26 05 29 00-0207	EA	2" Conduit, Clamp Back Spacer	4.30	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0208	EA	2-1/2" Conduit, Clamp Back Spacer	6.24	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.02*	
26 05 29 00-0209	EA	3" Conduit, Clamp Back Spacer	8.56	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0210	EA	3-1/2" Conduit, Clamp Back Spacer	10.81	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0211	EA	4" Conduit, Clamp Back Spacer	21.37	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.54*	
26 05 29 00-0212	EA	5" Conduit, Clamp Back Spacer	39.21	
		For Work In Restricted Working Space, Add	*0.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.32*	

26 05 29 00-0213 Conduit Clips *(26 05 29 00-0165)*

Note: Push in or clip.

26 05 29 00-0214	EA	1/2" Conduit Clip	3.23	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.84*	
26 05 29 00-0215	EA	3/4" Conduit Clip	3.23	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.84*	
26 05 29 00-0216	EA	1" Conduit Clip	3.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0217	EA	1-1/4" Conduit Clip	3.30	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.84*	

26 05 29 00-0218 Bolt And Nut Conduit Clips *(26 05 29 00-0165)*

26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.01	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.90*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.14	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.90*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.41	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.48	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0223	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	4.98	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0224	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.39	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0225	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	5.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0226	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	10.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.84*	

26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0165)*

Note: Bat wing.

26 05 29 00-0228	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	2.33	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.58*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
26 05 29 00-0229	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	2.36	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.58*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.62*	
26 05 29 00-0230	EA	1", Conduit Hanger From Flange, Wire Or Rod	2.46	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.58*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0231	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.71	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.58*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	

26 05 29 00-0232 Beam Flange Clamps *(26 05 29 00-0165)*

Note: For threaded rod, nut not required.

26 05 29 00-0233	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.38	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
26 05 29 00-0234	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.31	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0235	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	3.69	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0236		**T-Bar Support Clips** *(26 05 29 00-0165)*		
26 05 29 00-0237	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	5.68	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0238	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	5.38	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0239	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	2.03	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.40*	
26 05 29 00-0240	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	16.40	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-1.96*	
26 05 29 00-0241		**Switch And Outlet Box Type Supports** *(26 05 29 00-0165)*		
26 05 29 00-0242	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	4.13	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0243	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	3.51	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.67*	
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.04	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.72*	
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	2.62	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.73	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0247		**Lighting Fixture Hanger** *(26 05 29 00-0165)*		
		Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	3.81	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.02*	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	13.05	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.95*	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	17.90	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.43*	
26 05 29 00-0251		**Rigid Steel Conduit Clamps For Unistrut Channel** *(26 05 29 00-0165)*		
26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.12	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.13	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 29 00-0254	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.19	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0255	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.07	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 29 00-0256	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.36	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 29 00-0257	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.39	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 29 00-0258	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.40	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*1.20*	
26 05 29 00-0259	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.66	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*1.20*	
26 05 29 00-0260	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.91	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*1.20*	
26 05 29 00-0261	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.00	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*1.20*	

26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0165)*

26 05 29 00-0263	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.31	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 29 00-0264	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.29	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 29 00-0265	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.26	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 29 00-0266	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.30	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 29 00-0267	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.81	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 29 00-0268	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.84	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*0.96*	

26 05 29 00-0269 "J" Type Conduit Hangers *(26 05 29 00-0165)*

26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	15.79	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.70*	
		For Work In Restricted Working Space, Add	*1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	15.97	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.72*	
		For Work In Restricted Working Space, Add	*1.68*	
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	16.92	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	17.12	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.99*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	18.05	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-3.25*	
		For Work In Restricted Working Space, Add	*2.16*	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	18.78	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.32*	
		For Work In Restricted Working Space, Add	*2.16*	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	29.92	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*2.40*	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	31.81	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.94*	
		For Work In Restricted Working Space, Add	*2.64*	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	34.24	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.77*	
		For >500, Deduct	*-5.34*	
		For Work In Restricted Working Space, Add	*2.88*	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	45.46	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.61*	
		For >500, Deduct	*-6.46*	
		For Work In Restricted Working Space, Add	*2.88*	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	49.95	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-5.05*	
		For >500, Deduct	*-7.07*	
		For Work In Restricted Working Space, Add	*3.12*	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	70.37	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-6.78*	
		For >500, Deduct	*-9.44*	
		For Work In Restricted Working Space, Add	*3.60*	

26 05 29 00-0282 Between Studs Box Brackets *(26 05 29 00-0165)*

26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.70	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.85	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*0.72*	

26 05 29 00-0285 Hangers And Brackets *(26 05 29 00-0165)*

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.03	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	1.97	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	1.97	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.65	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.67	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.59	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.65	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.67	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	

26 05 29 00-0294 Clips And Accessories *(26 05 29 00-0165)*

26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.38	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.34*	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.41	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.34*	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.51	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.35*	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.72	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.37*	

26 05 29 00-0299 Wire Ties *(26 05 29 00-0165)*

Note: Per hundred (C).

26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties	19.97	
		For Up To 0.1, Add	*16.69*	
		For >0.1 To 0.25, Add	*8.35*	
		For >0.25 To 0.75, Add	*4.17*	
		For >2.0, Deduct	*-1.67*	
		For UV Black, Add	*0.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties	20.10	
		For Up To 0.1, Add	*16.69*	
		For >0.1 To 0.25, Add	*8.35*	
		For >0.25 To 0.75, Add	*4.17*	
		For >2.0, Deduct	*-1.67*	
		For UV Black, Add	*0.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	20.18	
		For Up To 0.1, Add	*16.69*	
		For >0.1 To 0.25, Add	*8.35*	
		For >0.25 To 0.75, Add	*4.17*	
		For >2.0, Deduct	*-1.67*	
		For UV Black, Add	*0.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 29 00-0303	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	20.22	
		For Up To 0.1, Add	*16.69*	
		For >0.1 To 0.25, Add	*8.35*	
		For >0.25 To 0.75, Add	*4.17*	
		For >2.0, Deduct	*-1.67*	
		For UV Black, Add	*0.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0304	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	20.99	
		For Up To 0.1, Add	*17.42*	
		For >0.1 To 0.25, Add	*8.71*	
		For >0.25 To 0.75, Add	*4.36*	
		For >2.0, Deduct	*-1.74*	
		For UV Black, Add	*0.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 29 00-0305	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties	24.54	
		For Up To 0.1, Add	*18.20*	
		For >0.1 To 0.25, Add	*9.10*	
		For >0.25 To 0.75, Add	*4.55*	
		For >2.0, Deduct	*-1.82*	
		For UV Black, Add	*0.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 29 00-0306	C	4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	23.49	
		For Up To 0.1, Add	*16.69*	
		For >0.1 To 0.25, Add	*8.35*	
		For >0.25 To 0.75, Add	*4.17*	
		For >2.0, Deduct	*-1.67*	
		For UV Black, Add	*1.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 29 00-0307	C	6" Length, 40 LB Tensile Strength, Nylon Cable Ties	24.27	
		For Up To 0.1, Add	*17.42*	
		For >0.1 To 0.25, Add	*8.71*	
		For >0.25 To 0.75, Add	*4.36*	
		For >2.0, Deduct	*-1.74*	
		For UV Black, Add	*1.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 29 00-0308	C	8" Length, 40 LB Tensile Strength, Nylon Cable Ties	25.09	
		For Up To 0.1, Add	*18.20*	
		For >0.1 To 0.25, Add	*9.10*	
		For >0.25 To 0.75, Add	*4.55*	
		For >2.0, Deduct	*-1.82*	
		For UV Black, Add	*1.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 29 00-0309	C	10" Length, 40 LB Tensile Strength, Nylon Cable Ties	35.52	
		For Up To 0.1, Add	*19.64*	
		For >0.1 To 0.25, Add	*9.82*	
		For >0.25 To 0.75, Add	*4.91*	
		For >2.0, Deduct	*-1.96*	
		For UV Black, Add	*2.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 29 00-0310	C	11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	36.96	
		For Up To 0.1, Add	*19.64*	
		For >0.1 To 0.25, Add	*9.82*	
		For >0.25 To 0.75, Add	*4.91*	
		For >2.0, Deduct	*-1.96*	
		For UV Black, Add	*2.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 29 00-0311	C	7" Length, 50 LB Tensile Strength, Nylon Cable Ties	26.09	
		For Up To 0.1, Add	*18.20*	
		For >0.1 To 0.25, Add	*9.10*	
		For >0.25 To 0.75, Add	*4.55*	
		For >2.0, Deduct	*-1.82*	
		For UV Black, Add	*1.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 29 00-0312	C	8" Length, 50 LB Tensile Strength, Nylon Cable Ties	24.82	
		For Up To 0.1, Add	*18.20*	
		For >0.1 To 0.25, Add	*9.10*	
		For >0.25 To 0.75, Add	*4.55*	
		For >2.0, Deduct	*-1.82*	
		For UV Black, Add	*0.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 29 00-0313	C	11" Length, 50 LB Tensile Strength, Nylon Cable Ties	35.92	
		For Up To 0.1, Add	*19.64*	
		For >0.1 To 0.25, Add	*9.82*	
		For >0.25 To 0.75, Add	*4.91*	
		For >2.0, Deduct	*-1.96*	
		For UV Black, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 29 00-0314	C	14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	40.88	
		For Up To 0.1, Add	*20.86*	
		For >0.1 To 0.25, Add	*10.43*	
		For >0.25 To 0.75, Add	*5.22*	
		For >2.0, Deduct	*-2.09*	
		For UV Black, Add	*3.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	
26 05 29 00-0315	C	8" Length, 120 LB Tensile Strength, Nylon Cable Ties	39.68	
		For Up To 0.1, Add	*18.20*	
		For >0.1 To 0.25, Add	*9.10*	
		For >0.25 To 0.75, Add	*4.55*	
		For >2.0, Deduct	*-1.82*	
		For UV Black, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	43.42	
		For Up To 0.1, Add	*19.64*	
		For >0.1 To 0.25, Add	*9.82*	
		For >0.25 To 0.75, Add	*4.91*	
		For >2.0, Deduct	*-1.96*	
		For UV Black, Add	*3.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	52.13	
		For Up To 0.1, Add	*20.86*	
		For >0.1 To 0.25, Add	*10.43*	
		For >0.25 To 0.75, Add	*5.22*	
		For >2.0, Deduct	*-2.09*	
		For UV Black, Add	*4.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	
26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	73.49	
		For Up To 0.1, Add	*22.25*	
		For >0.1 To 0.25, Add	*11.13*	
		For >0.25 To 0.75, Add	*5.56*	
		For >2.0, Deduct	*-2.23*	
		For UV Black, Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.68*	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	71.30	
		For Up To 0.1, Add	*22.25*	
		For >0.1 To 0.25, Add	*11.13*	
		For >0.25 To 0.75, Add	*5.56*	
		For >2.0, Deduct	*-2.23*	
		For UV Black, Add	*7.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.68*	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	86.31	
		For Up To 0.1, Add	*23.28*	
		For >0.1 To 0.25, Add	*11.64*	
		For >0.25 To 0.75, Add	*5.82*	
		For >2.0, Deduct	*-2.33*	
		For UV Black, Add	*9.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.98*	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	99.56	
		For Up To 0.1, Add	*24.43*	
		For >0.1 To 0.25, Add	*12.22*	
		For >0.25 To 0.75, Add	*6.11*	
		For >2.0, Deduct	*-2.44*	
		For UV Black, Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.33*	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	135.52	
		For Up To 0.1, Add	*26.36*	
		For >0.1 To 0.25, Add	*13.18*	
		For >0.25 To 0.75, Add	*6.59*	
		For >2.0, Deduct	*-2.64*	
		For UV Black, Add	*16.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts	26.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw	52.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	1.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.12*	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	1.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.10*	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	1.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.10*	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.10*	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	61.66	
		Note: Cut to length.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.75*	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331 Toggle Bolts *(26 05 29 00-0330)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.35	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.97*	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.53	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-3.05*	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.95	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.15*	
26 05 29 00-0335	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.14	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.23*	
26 05 29 00-0336	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.31	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0337	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.54	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-3.48*	
26 05 29 00-0338	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.94	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.58*	

26 05 29 00-0339 Machine Screws *(26 05 29 00-0330)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0340	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.86	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0341	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.90	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.90*	
26 05 29 00-0342	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.39	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0343	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.54	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0344	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.16	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.38*	

26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0330)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.31	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.22*	
26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.25	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.22*	
26 05 29 00-0348	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.80	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.54*	
26 05 29 00-0349	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.24	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.86*	

26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0330)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0351	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.42	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0352	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.47	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.98	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.09*	

26 05 29 00-0354 Hollow Wall Screw Anchors *(26 05 29 00-0330)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.41	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.47	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.56	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.03	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.15	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.71*	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.19	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.72*	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.21	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.72*	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.39	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.74*	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.46	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.74*	

26 05 29 00-0364 Lead Screw Anchors *(26 05 29 00-0330)*

Note: Includes screw.

26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.19	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	3.83	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.64*	
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.28	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.13*	

26 05 29 00-0368 Acoustical T-Bar Clips *(26 05 29 00-0330)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0369	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	4.52	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.81*	
26 05 29 00-0370	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	4.74	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.91*	
26 05 29 00-0371	EA	1" Conduit, Push-In Acoustical T-Bar Clip	5.13	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.42*	
		For >500, Deduct	*-2.03*	

26 05 29 00-0372 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0373 Threaded Rod And Rod Accessories *(26 05 29 00-0372)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0374		**Carbon Steel Threaded Rod** *(26 05 29 00-0373)* Note: Includes plain finish.		
26 05 29 00-0375	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.90	0.50
		For Galvanized, Add	*0.76*	
		For Zinc Coated, Add	*0.54*	
26 05 29 00-0376	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.08	0.53
		For Galvanized, Add	*1.21*	
		For Zinc Coated, Add	*0.86*	
26 05 29 00-0377	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.79	0.55
		For Galvanized, Add	*1.88*	
		For Zinc Coated, Add	*1.34*	
26 05 29 00-0378	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.64	0.57
		For Galvanized, Add	*3.40*	
		For Zinc Coated, Add	*2.43*	
26 05 29 00-0379	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.53	0.59
		For Galvanized, Add	*3.74*	
		For Zinc Coated, Add	*2.67*	
26 05 29 00-0380	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.48	0.66
		For Galvanized, Add	*5.26*	
		For Zinc Coated, Add	*3.74*	
26 05 29 00-0381	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.06	0.74
		For Galvanized, Add	*6.63*	
		For Zinc Coated, Add	*4.72*	
26 05 29 00-0382		**Threaded Rod Couplings** *(26 05 29 00-0373)*		
26 05 29 00-0383	EA	3/8" Diameter, Threaded Rod Coupling Nut	6.84	
26 05 29 00-0384	EA	1/2" Diameter, Threaded Rod Coupling Nut	7.81	
26 05 29 00-0385	EA	5/8" Diameter, Threaded Rod Coupling Nut	10.02	
26 05 29 00-0386	EA	3/4" Diameter, Threaded Rod Coupling Nut	12.51	
26 05 29 00-0387	EA	7/8" Diameter, Threaded Rod Coupling Nut	19.27	
26 05 29 00-0388	EA	1" Diameter, Threaded Rod Coupling Nut	22.88	
26 05 29 00-0389	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	46.32	
26 05 29 00-0390		**Flat Washers** *(26 05 29 00-0373)*		
26 05 29 00-0391	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.58	0.20
		For Galvanized, Add	*0.03*	
26 05 29 00-0392	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.79	0.20
		For Galvanized, Add	*0.07*	
26 05 29 00-0393	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.07	0.20
		For Galvanized, Add	*0.14*	
26 05 29 00-0394	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.34	0.40
		For Galvanized, Add	*0.20*	
26 05 29 00-0395	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.53	0.40
		For Galvanized, Add	*0.24*	
26 05 29 00-0396	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.82	0.40
		For Galvanized, Add	*0.29*	
26 05 29 00-0397	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.05	0.40
		For Galvanized, Add	*0.33*	
26 05 29 00-0398		**Malleable Iron Eye Sockets** *(26 05 29 00-0373)* Note: Type 16.		
26 05 29 00-0399	EA	3/8" Rod Size, Malleable Iron Eye Socket	6.49	
26 05 29 00-0400	EA	1/2" Rod Size, Malleable Iron Eye Socket	7.71	
26 05 29 00-0401	EA	5/8" Rod Size, Malleable Iron Eye Socket	13.06	
26 05 29 00-0402	EA	3/4" Rod Size, Malleable Iron Eye Socket	18.42	
26 05 29 00-0403	EA	7/8" Rod Size, Malleable Iron Eye Socket	19.66	
26 05 29 00-0404		**Hex Nuts** *(26 05 29 00-0373)*		
26 05 29 00-0405	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.56	0.20
		For Galvanized, Add	*0.03*	
26 05 29 00-0406	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.20
		For Galvanized, Add	*0.06*	
26 05 29 00-0407	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.20
		For Galvanized, Add	*0.14*	
26 05 29 00-0408	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.29	0.40
		For Galvanized, Add	*0.19*	
26 05 29 00-0409	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.99	0.40
		For Galvanized, Add	*0.35*	
26 05 29 00-0410	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.55	0.40
		For Galvanized, Add	*0.47*	
26 05 29 00-0411	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.32	0.40
		For Galvanized, Add	*0.90*	
26 05 29 00-0412		**Forged Steel Turnbuckles** *(26 05 29 00-0373)* Note: Type 13.		
26 05 29 00-0413	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	16.25	
26 05 29 00-0414	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	19.85	
26 05 29 00-0415	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	26.13	
26 05 29 00-0416	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	32.13	
26 05 29 00-0417	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	75.65	
26 05 29 00-0418	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	51.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0419	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	101.74	
26 05 29 00-0420		**Attachments** *(26 05 29 00-0372)*		
26 05 29 00-0421		**Welded Beam Attachments** *(26 05 29 00-0420)*		
		Note: Type 22.		
26 05 29 00-0422	EA	3/8" Rod Size, Welded Beam Attachment	30.13	8.00
26 05 29 00-0423	EA	1/2" Rod Size, Welded Beam Attachment	32.08	8.40
26 05 29 00-0424	EA	5/8" Rod Size, Welded Beam Attachment	34.11	8.88
26 05 29 00-0425	EA	3/4" Rod Size, Welded Beam Attachment	42.48	9.44
26 05 29 00-0426	EA	7/8" Rod Size, Welded Beam Attachment	50.29	9.99
26 05 29 00-0427	EA	1" Rod Size, Welded Beam Attachment	69.09	11.44
26 05 29 00-0428	EA	1-1/8" Rod Size, Welded Beam Attachment	95.59	12.00
26 05 29 00-0429		**C-Clamp Style Beam Clamps** *(26 05 29 00-0420)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	11.74	6.00
26 05 29 00-0431	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	13.67	6.41
26 05 29 00-0432	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	15.34	6.87
26 05 29 00-0433	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	19.08	7.39
26 05 29 00-0434	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	26.46	8.01
26 05 29 00-0435		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0420)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	28.53	8.01
26 05 29 00-0437	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	40.58	8.74
26 05 29 00-0438	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	56.68	9.61
26 05 29 00-0439	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	67.48	10.68
26 05 29 00-0440	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	157.20	12.02
26 05 29 00-0441		**Steel U-Bolts** *(26 05 29 00-0420)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	9.53	4.81
26 05 29 00-0443	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	10.27	5.06
26 05 29 00-0444	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	11.02	5.34
26 05 29 00-0445	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	12.33	5.65
26 05 29 00-0446	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	12.80	6.00
26 05 29 00-0447	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	13.70	6.41
26 05 29 00-0448	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	18.68	6.87
26 05 29 00-0449	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	20.51	7.40
26 05 29 00-0450	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	24.36	8.01
26 05 29 00-0451		**Stainless Steel Threaded Rod** *(26 05 29 00-0372)*		
26 05 29 00-0452	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.53	0.40
		For 316 Stainless Steel, Add	*0.70*	
26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.83	0.44
		For 316 Stainless Steel, Add	*1.19*	
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.94	0.50
		For 316 Stainless Steel, Add	*1.60*	
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.89	0.51
		For 316 Stainless Steel, Add	*2.37*	
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.28	0.53
		For 316 Stainless Steel, Add	*2.92*	
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.45	0.54
		For 316 Stainless Steel, Add	*4.60*	
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	17.47	0.55
		For 316 Stainless Steel, Add	*6.63*	
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	24.06	0.57
		For 316 Stainless Steel, Add	*9.29*	
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	30.95	0.66
		For 316 Stainless Steel, Add	*11.99*	
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	65.59	0.80
		For 316 Stainless Steel, Add	*25.89*	
26 05 29 00-0462		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0462)*		
26 05 29 00-0464		**Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0463)*		
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	49.71	16.00
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.98	17.43
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.19	19.19
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.79	21.35
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.08	24.00
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.62	26.39
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	107.90	28.79
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	119.20	31.19
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.42	33.59
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	135.78	35.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0475		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0463)*		
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	54.17	16.00
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	56.99	17.43
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.22	19.19
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.00	21.35
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.32	24.00
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.49	26.39
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.92	28.79
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	124.53	31.19
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	132.12	33.59
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	136.68	35.99
26 05 29 00-0486		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0463)*		
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	50.64	15.84
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	54.29	17.27
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.72	19.19
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.40	21.11
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.10	24.00
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	107.49	26.39
26 05 29 00-0493		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0462)*		
26 05 29 00-0494		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.14	0.48
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.78	0.48
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	11.59	0.48
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.16	0.48
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.74	0.48
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.31	0.48
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	37.81	0.48
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	50.76	0.48
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	90.09	0.48
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	95.76	0.48
26 05 29 00-0505		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.06	0.96
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.12	0.96
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.51	0.96
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.43	0.96
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.96	0.96
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.85	0.96
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.65	0.96
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.81	0.96
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.61	0.96
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.01	0.96
26 05 29 00-0516		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0462)*		
26 05 29 00-0517		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0516)*		
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.69	0.96
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.87	0.96
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	18.88	0.96
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	22.19	0.96
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	29.94	0.96
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	38.09	0.96
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	74.51	0.96
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	102.00	0.96
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	179.04	0.96
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	179.04	0.96
26 05 29 00-0528		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0462)*		
26 05 29 00-0529		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0528)*		
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	8.79	0.64
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.86	0.72
26 05 29 00-0532		**Attachments** *(26 05 29 00-0462)*		
26 05 29 00-0533		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0532)*		
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.60	4.81
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.02	5.05
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.82	5.37
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	16.86	5.69
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.95	6.00
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.42	6.41
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	31.12	6.89
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	32.52	7.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	34.56	8.01
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	59.10	9.14
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	73.77	10.57
26 05 29 00-0545		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0532)*		
26 05 29 00-0546	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	51.31	15.84
26 05 29 00-0547	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	61.90	15.84
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	66.27	15.84
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	73.59	16.80
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	86.49	19.19
26 05 29 00-0551		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0532)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.11	5.28
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.92	5.75
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	18.44	6.23
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	20.75	7.20
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	23.74	8.16
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.44	8.64
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	29.22	9.59
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.81	10.55
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.10	11.04
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	40.01	12.00
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.70	13.43
26 05 29 00-0563		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0462)*		
26 05 29 00-0564	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	16.92	2.40
26 05 29 00-0565	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	30.03	3.36
26 05 29 00-0566	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	18.08	2.40
26 05 29 00-0567	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	13.36	2.40
26 05 29 00-0568	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	14.08	2.40
26 05 29 00-0569		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0570		**Polymer Concrete, Box Pads** *(26 05 29 00-0569)*		
26 05 29 00-0571	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	826.69	91.86
26 05 29 00-0572	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	853.26	91.86
26 05 29 00-0573	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,097.40	91.86
26 05 29 00-0574	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,137.88	91.86
26 05 29 00-0575	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,059.72	91.86
26 05 29 00-0576	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	1,250.88	91.86
26 05 29 00-0577	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	1,397.46	91.86
26 05 29 00-0578	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	1,347.53	114.83
26 05 29 00-0579	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	2,032.40	114.83
26 05 29 00-0580	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	2,720.66	114.83
26 05 29 00-0581		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0569)*		
26 05 29 00-0582	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	403.88	51.65
26 05 29 00-0583	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	476.46	51.65
26 05 29 00-0584	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	613.59	68.89
26 05 29 00-0585	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	640.56	68.89
26 05 29 00-0586	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	915.15	68.89
26 05 29 00-0587	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	953.32	68.89
26 05 29 00-0588	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,024.43	68.89
26 05 29 00-0589	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,024.43	68.89
26 05 29 00-0590	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,917.82	68.89
26 05 29 00-0591	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	2,172.73	68.89
26 05 29 00-0592		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0569)*		
26 05 29 00-0593	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	250.16	51.65
26 05 29 00-0594	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	268.82	51.65
26 05 29 00-0595	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	285.82	51.65
26 05 29 00-0596	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	342.27	51.65
26 05 29 00-0597	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	317.08	51.65
26 05 29 00-0598	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	328.95	51.65
26 05 29 00-0599	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	359.73	51.65
26 05 29 00-0600	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	377.68	51.65
26 05 29 00-0601	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	437.64	51.65
26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	536.41	51.65
26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	782.86	68.89
26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	818.96	68.89
26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	830.35	68.89
26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	906.24	68.89
26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,921.24	68.89
26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,261.22	68.89

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 Raceway And Boxes For Electrical Systems *(26 05)*

26 05 33 13 Conduit For Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies *(26 05 33 13)*

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conducter, 26 05 33 13-0598 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		591.29	178.39
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 2 #12 THWN Conductor Instead Of THHN, Add	*0.97*		
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		644.83	193.72
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.46*		
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		698.37	209.05
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	*179.21*		
		For 4 #12 THWN Conductor Instead Of THHN, Add	*1.95*		
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		622.98	186.06
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.46*		
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		688.71	203.93
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.19*		
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor		693.35	201.39
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	*172.64*		
		For 2 #8 THWN Conductor Instead Of THHN, Add	*2.55*		
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		658.51	192.33
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 2 #12 THWN Conductor Instead Of THHN, Add	*0.97*		
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		712.05	207.66
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.46*		
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		765.59	222.98
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		819.12	238.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 5 #12 THWN Conductor Instead Of THHN, Add	*2.44*		
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		690.19	199.99
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.46*		
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		755.93	217.88
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.19*		
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		821.67	235.76
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 4 #10 THWN Conductor Instead Of THHN, Add	*2.92*		
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor		887.39	253.65
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For 5 #10 THWN Conductor Instead Of THHN, Add	*3.65*		
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor		851.74	238.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	*204.26*		
		For 3 #8 THWN Conductor Instead Of THHN, Add	*3.82*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	942.91	261.31
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*223.97*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*5.10*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	848.51	230.66
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*197.69*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*4.21*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	970.91	258.75
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*221.78*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*6.32*	
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	752.74	207.00
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 2 #12 THWN Conductor Instead Of THHN, Add	*0.97*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	806.28	222.33
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.46*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	859.82	237.66
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	913.37	252.98
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 5 #12 THWN Conductor Instead Of THHN, Add	*2.44*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	784.43	214.66
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.46*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	850.16	232.55
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.19*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	915.90	250.43
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 4 #10 THWN Conductor Instead Of THHN, Add	*2.92*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	981.63	268.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For 5 #10 THWN Conductor Instead Of THHN, Add	*3.65*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	945.98	252.98
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*216.87*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,065.15	273.43
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*234.39*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*6.32*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,187.57	301.52
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*258.48*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*8.43*	

26 05 33 13-0032 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conducter, 26 05 33 13-0059 for larger RGS conduit.

26 05 33 13-0033	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	780.85	203.06
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 2 #12 THWN Conductor Instead Of THHN, Add	*0.97*	
26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	834.38	218.39
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	812.53	210.72
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.46*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	878.26	228.61
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.19*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	882.90	226.05
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*193.75*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*2.55*	
26 05 33 13-0038	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	859.50	216.57
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 2 #12 THWN Conductor Instead Of THHN, Add	*0.97*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	913.04	231.89
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.46*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	966.57	247.22
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	891.19	224.23
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 2 #10 THWN Conductor Instead Of THHN, Add	*1.46*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	956.91	242.12
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.19*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,022.65	259.99
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 4 #10 THWN Conductor Instead Of THHN, Add	*2.92*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,052.73	262.55
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*225.02*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,143.90	285.54
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*244.73*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*5.10*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,049.49	254.89
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*218.45*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*4.21*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,171.91	282.98
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*242.54*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*6.32*	
26 05 33 13-0048	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,105.50	258.61
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #12 THWN Conductor Instead Of THHN, Add	*1.46*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,159.04	273.93
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,212.56	289.26
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 5 #12 THWN Conductor Instead Of THHN, Add	*2.44*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,149.38	268.83
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 3 #10 THWN Conductor Instead Of THHN, Add	*2.19*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,215.11	286.70
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 4 #10 THWN Conductor Instead Of THHN, Add	*2.92*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,280.84	304.59
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For 5 #10 THWN Conductor Instead Of THHN, Add	*3.65*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,245.18	289.26
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*247.94*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,364.36	309.71
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*265.46*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*6.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,486.78	337.80
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*289.55*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*8.43*	

26 05 33 13-0057 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0058 Conduit Installed Above Grade *(26 05 33 13-0057)*

26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0059)*

Note: Includes field bending for conduit up to 1".

26 05 33 13-0061	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.65	1.60
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.46*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.00*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.60*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Elevated Installation >10' To 15', Add	*0.40*	
		For Elevated Installation >15' To 20', Add	*0.80*	
		For Elevated Installation >20' To 25', Add	*1.00*	
		For Elevated Installation >25' To 30', Add	*1.40*	
		For Elevated Installation >30' To 35', Add	*1.60*	
		For Elevated Installation >35' To 40', Add	*2.01*	
		For Elevated Installation >40', Add	*2.21*	
26 05 33 13-0062	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.40	1.75
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.10*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.66*	
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
26 05 33 13-0063	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.24	2.05
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000, Deduct	*-0.70*	
		For Installation In Metal Stud Wall, Add	*0.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0064	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.01	2.34
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.86*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.75*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.17*	
		For Elevated Installation >20' To 25', Add	*1.46*	
		For Elevated Installation >25' To 30', Add	*2.04*	
		For Elevated Installation >30' To 35', Add	*2.34*	
		For Elevated Installation >35' To 40', Add	*2.92*	
		For Elevated Installation >40', Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0065	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.68	2.63
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-1.00*	
		For Installation In Metal Stud Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.64*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	
26 05 33 13-0066	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.86	3.21
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.29*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.01*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.20*	
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.21*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	
26 05 33 13-0067	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	22.27	4.38
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.95*	
		For Installation In Metal Stud Wall, Add	*1.10*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.74*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.64*	
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0068	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	29.01	5.84
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000, Deduct	*-2.54*	
		For Installation In Metal Stud Wall, Add	*1.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.65*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.19*	
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0069	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	35.83	7.30
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000, Deduct	*-3.13*	
		For Installation In Metal Stud Wall, Add	*1.83*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.56*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.74*	
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0070	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	42.35	8.76
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.69*	
		For Installation In Metal Stud Wall, Add	*2.19*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.48*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0071	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	69.19	11.10
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.23*	
		For Installation In Metal Stud Wall, Add	*2.77*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.93*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.16*	
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
26 05 33 13-0072	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	93.31	14.02
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-6.12*	
		For >1,000, Deduct	*-8.46*	
		For Installation In Metal Stud Wall, Add	*3.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.76*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.25*	
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	

26 05 33 13-0073 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0074	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	21.38	7.23
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15', Add	*1.81*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.53*	
		For Elevated Installation >25' To 30', Add	*6.35*	
		For Elevated Installation >30' To 35', Add	*7.25*	
		For Elevated Installation >35' To 40', Add	*9.07*	
		For Elevated Installation >40', Add	*9.97*	
26 05 33 13-0075	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	26.82	8.97
		For Work In Restricted Working Space, Add	*6.76*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.51*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.89*	
		For Elevated Installation >30' To 35', Add	*9.01*	
		For Elevated Installation >35' To 40', Add	*11.27*	
		For Elevated Installation >40', Add	*12.39*	
26 05 33 13-0076	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	34.07	11.02
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.49*	
		For Elevated Installation >20' To 25', Add	*6.87*	
		For Elevated Installation >25' To 30', Add	*9.61*	
		For Elevated Installation >30' To 35', Add	*10.99*	
		For Elevated Installation >35' To 40', Add	*13.74*	
		For Elevated Installation >40', Add	*15.11*	
26 05 33 13-0077	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	43.20	12.77
		For Work In Restricted Working Space, Add	*9.57*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.98*	
		For Elevated Installation >25' To 30', Add	*11.17*	
		For Elevated Installation >30' To 35', Add	*12.76*	
		For Elevated Installation >35' To 40', Add	*15.96*	
		For Elevated Installation >40', Add	*17.55*	
26 05 33 13-0078	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	50.09	14.67
		For Work In Restricted Working Space, Add	*10.99*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.32*	
		For Elevated Installation >20' To 25', Add	*9.16*	
		For Elevated Installation >25' To 30', Add	*12.82*	
		For Elevated Installation >30' To 35', Add	*14.65*	
		For Elevated Installation >35' To 40', Add	*18.31*	
		For Elevated Installation >40', Add	*20.14*	
26 05 33 13-0079	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	58.81	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.15*	
		For Elevated Installation >40', Add	*22.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	83.35	20.14
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
26 05 33 13-0081	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	117.72	27.44
		For Work In Restricted Working Space, Add	*20.58*	
		For Elevated Installation >10' To 15', Add	*6.86*	
		For Elevated Installation >15' To 20', Add	*13.72*	
		For Elevated Installation >20' To 25', Add	*17.15*	
		For Elevated Installation >25' To 30', Add	*24.01*	
		For Elevated Installation >30' To 35', Add	*27.44*	
		For Elevated Installation >35' To 40', Add	*34.30*	
		For Elevated Installation >40', Add	*37.73*	
26 05 33 13-0082	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	154.18	30.95
		For Work In Restricted Working Space, Add	*23.21*	
		For Elevated Installation >10' To 15', Add	*7.74*	
		For Elevated Installation >15' To 20', Add	*15.48*	
		For Elevated Installation >20' To 25', Add	*19.35*	
		For Elevated Installation >25' To 30', Add	*27.08*	
		For Elevated Installation >30' To 35', Add	*30.95*	
		For Elevated Installation >35' To 40', Add	*38.69*	
		For Elevated Installation >40', Add	*42.56*	
26 05 33 13-0083	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	189.21	40.29
		For Work In Restricted Working Space, Add	*30.21*	
		For Elevated Installation >10' To 15', Add	*10.07*	
		For Elevated Installation >15' To 20', Add	*20.14*	
		For Elevated Installation >20' To 25', Add	*25.18*	
		For Elevated Installation >25' To 30', Add	*35.25*	
		For Elevated Installation >30' To 35', Add	*40.28*	
		For Elevated Installation >35' To 40', Add	*50.36*	
		For Elevated Installation >40', Add	*55.39*	
26 05 33 13-0084	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	309.46	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.70*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
26 05 33 13-0085	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	465.20	98.68
		For Work In Restricted Working Space, Add	*74.01*	
		For Elevated Installation >10' To 15', Add	*24.67*	
		For Elevated Installation >15' To 20', Add	*49.34*	
		For Elevated Installation >20' To 25', Add	*61.67*	
		For Elevated Installation >25' To 30', Add	*86.34*	
		For Elevated Installation >30' To 35', Add	*98.68*	
		For Elevated Installation >35' To 40', Add	*123.35*	
		For Elevated Installation >40', Add	*135.68*	

26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0087	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	21.38	7.23
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15', Add	*1.81*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.53*	
		For Elevated Installation >25' To 30', Add	*6.35*	
		For Elevated Installation >30' To 35', Add	*7.25*	
		For Elevated Installation >35' To 40', Add	*9.07*	
		For Elevated Installation >40', Add	*9.97*	
26 05 33 13-0088	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	26.82	8.97
		For Work In Restricted Working Space, Add	*6.76*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.51*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.89*	
		For Elevated Installation >30' To 35', Add	*9.01*	
		For Elevated Installation >35' To 40', Add	*11.27*	
		For Elevated Installation >40', Add	*12.39*	
26 05 33 13-0089	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	34.07	11.02
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.49*	
		For Elevated Installation >20' To 25', Add	*6.87*	
		For Elevated Installation >25' To 30', Add	*9.61*	
		For Elevated Installation >30' To 35', Add	*10.99*	
		For Elevated Installation >35' To 40', Add	*13.74*	
		For Elevated Installation >40', Add	*15.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	43.20	12.77
		For Work In Restricted Working Space, Add	*9.57*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.98*	
		For Elevated Installation >25' To 30', Add	*11.17*	
		For Elevated Installation >30' To 35', Add	*12.76*	
		For Elevated Installation >35' To 40', Add	*15.96*	
		For Elevated Installation >40', Add	*17.55*	
26 05 33 13-0091	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	50.09	14.67
		For Work In Restricted Working Space, Add	*10.99*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.32*	
		For Elevated Installation >20' To 25', Add	*9.16*	
		For Elevated Installation >25' To 30', Add	*12.82*	
		For Elevated Installation >30' To 35', Add	*14.65*	
		For Elevated Installation >35' To 40', Add	*18.31*	
		For Elevated Installation >40', Add	*20.14*	
26 05 33 13-0092	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	58.81	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.15*	
		For Elevated Installation >40', Add	*22.16*	
26 05 33 13-0093	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	82.02	20.14
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
26 05 33 13-0094	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	112.51	27.44
		For Work In Restricted Working Space, Add	*20.58*	
		For Elevated Installation >10' To 15', Add	*6.86*	
		For Elevated Installation >15' To 20', Add	*13.72*	
		For Elevated Installation >20' To 25', Add	*17.15*	
		For Elevated Installation >25' To 30', Add	*24.01*	
		For Elevated Installation >30' To 35', Add	*27.44*	
		For Elevated Installation >35' To 40', Add	*34.30*	
		For Elevated Installation >40', Add	*37.73*	
26 05 33 13-0095	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	146.84	30.95
		For Work In Restricted Working Space, Add	*23.21*	
		For Elevated Installation >10' To 15', Add	*7.74*	
		For Elevated Installation >15' To 20', Add	*15.48*	
		For Elevated Installation >20' To 25', Add	*19.35*	
		For Elevated Installation >25' To 30', Add	*27.08*	
		For Elevated Installation >30' To 35', Add	*30.95*	
		For Elevated Installation >35' To 40', Add	*38.69*	
		For Elevated Installation >40', Add	*42.56*	
26 05 33 13-0096	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	179.45	40.29
		For Work In Restricted Working Space, Add	*30.21*	
		For Elevated Installation >10' To 15', Add	*10.07*	
		For Elevated Installation >15' To 20', Add	*20.14*	
		For Elevated Installation >20' To 25', Add	*25.18*	
		For Elevated Installation >25' To 30', Add	*35.25*	
		For Elevated Installation >30' To 35', Add	*40.28*	
		For Elevated Installation >35' To 40', Add	*50.36*	
		For Elevated Installation >40', Add	*55.39*	
26 05 33 13-0097	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	309.46	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.70*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
26 05 33 13-0098	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	465.20	98.68
		For Work In Restricted Working Space, Add	*74.01*	
		For Elevated Installation >10' To 15', Add	*24.67*	
		For Elevated Installation >15' To 20', Add	*49.34*	
		For Elevated Installation >20' To 25', Add	*61.67*	
		For Elevated Installation >25' To 30', Add	*86.34*	
		For Elevated Installation >30' To 35', Add	*98.68*	
		For Elevated Installation >35' To 40', Add	*123.35*	
		For Elevated Installation >40', Add	*135.68*	

26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0100	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	51.79	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	
26 05 33 13-0101	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	59.70	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0102	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	68.95	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0103	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	77.53	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	

26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0105	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	55.87	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	
26 05 33 13-0106	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	64.94	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0107	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	71.34	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0108	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	80.20	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0109	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	106.11	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0110	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	142.95	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	

26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0112	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	56.06	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	
26 05 33 13-0113	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	64.43	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0114	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	73.92	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0115	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	85.97	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0116	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	111.50	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	
26 05 33 13-0117	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	147.30	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	
26 05 33 13-0118	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	182.70	50.29
		For Work In Restricted Working Space, Add	*30.17*	
		For Elevated Installation >10' To 15', Add	*10.06*	
		For Elevated Installation >15' To 20', Add	*20.12*	
		For Elevated Installation >20' To 25', Add	*25.15*	
		For Elevated Installation >25' To 30', Add	*35.20*	
		For Elevated Installation >30' To 35', Add	*40.23*	
		For Elevated Installation >35' To 40', Add	*50.29*	
		For Elevated Installation >40', Add	*55.32*	
26 05 33 13-0119	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	222.71	65.47
		For Work In Restricted Working Space, Add	*39.29*	
		For Elevated Installation >10' To 15', Add	*13.10*	
		For Elevated Installation >15' To 20', Add	*26.19*	
		For Elevated Installation >20' To 25', Add	*32.74*	
		For Elevated Installation >25' To 30', Add	*45.83*	
		For Elevated Installation >30' To 35', Add	*52.38*	
		For Elevated Installation >35' To 40', Add	*65.48*	
		For Elevated Installation >40', Add	*72.02*	

26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0121	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	62.56	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	
26 05 33 13-0122	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	70.81	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0123	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	78.70	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0124	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	93.02	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0125	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	121.11	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	
26 05 33 13-0126	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	162.36	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	
26 05 33 13-0127	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	197.34	50.29
		For Work In Restricted Working Space, Add	*30.17*	
		For Elevated Installation >10' To 15', Add	*10.06*	
		For Elevated Installation >15' To 20', Add	*20.12*	
		For Elevated Installation >20' To 25', Add	*25.15*	
		For Elevated Installation >25' To 30', Add	*35.20*	
		For Elevated Installation >30' To 35', Add	*40.23*	
		For Elevated Installation >35' To 40', Add	*50.29*	
		For Elevated Installation >40', Add	*55.32*	
26 05 33 13-0128	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	234.38	65.47
		For Work In Restricted Working Space, Add	*39.29*	
		For Elevated Installation >10' To 15', Add	*13.10*	
		For Elevated Installation >15' To 20', Add	*26.19*	
		For Elevated Installation >20' To 25', Add	*32.74*	
		For Elevated Installation >25' To 30', Add	*45.83*	
		For Elevated Installation >30' To 35', Add	*52.38*	
		For Elevated Installation >35' To 40', Add	*65.48*	
		For Elevated Installation >40', Add	*72.02*	

26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0130	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	62.17	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0131	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	75.55	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0132	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	83.84	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0133	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	99.73	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0134	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	130.32	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	
26 05 33 13-0135	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	174.25	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	
26 05 33 13-0136	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	211.82	50.29
		For Work In Restricted Working Space, Add	*30.17*	
		For Elevated Installation >10' To 15', Add	*10.06*	
		For Elevated Installation >15' To 20', Add	*20.12*	
		For Elevated Installation >20' To 25', Add	*25.15*	
		For Elevated Installation >25' To 30', Add	*35.20*	
		For Elevated Installation >30' To 35', Add	*40.23*	
		For Elevated Installation >35' To 40', Add	*50.29*	
		For Elevated Installation >40', Add	*55.32*	
26 05 33 13-0137	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	255.81	65.47
		For Work In Restricted Working Space, Add	*39.29*	
		For Elevated Installation >10' To 15', Add	*13.10*	
		For Elevated Installation >15' To 20', Add	*26.19*	
		For Elevated Installation >20' To 25', Add	*32.74*	
		For Elevated Installation >25' To 30', Add	*45.83*	
		For Elevated Installation >30' To 35', Add	*52.38*	
		For Elevated Installation >35' To 40', Add	*65.48*	
		For Elevated Installation >40', Add	*72.02*	
26 05 33 13-0138	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	373.87	106.74
		For Work In Restricted Working Space, Add	*64.05*	
		For Elevated Installation >10' To 15', Add	*21.35*	
		For Elevated Installation >15' To 20', Add	*42.70*	
		For Elevated Installation >20' To 25', Add	*53.38*	
		For Elevated Installation >25' To 30', Add	*74.73*	
		For Elevated Installation >30' To 35', Add	*85.40*	
		For Elevated Installation >35' To 40', Add	*106.75*	
		For Elevated Installation >40', Add	*117.43*	

26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0140	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	65.64	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0141	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	77.89	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0142	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	92.84	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0143	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	104.97	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0144	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	141.25	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	
26 05 33 13-0145	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	184.42	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	
26 05 33 13-0146	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	230.51	50.29
		For Work In Restricted Working Space, Add	*30.17*	
		For Elevated Installation >10' To 15', Add	*10.06*	
		For Elevated Installation >15' To 20', Add	*20.12*	
		For Elevated Installation >20' To 25', Add	*25.15*	
		For Elevated Installation >25' To 30', Add	*35.20*	
		For Elevated Installation >30' To 35', Add	*40.23*	
		For Elevated Installation >35' To 40', Add	*50.29*	
		For Elevated Installation >40', Add	*55.32*	
26 05 33 13-0147	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	265.89	65.47
		For Work In Restricted Working Space, Add	*39.29*	
		For Elevated Installation >10' To 15', Add	*13.10*	
		For Elevated Installation >15' To 20', Add	*26.19*	
		For Elevated Installation >20' To 25', Add	*32.74*	
		For Elevated Installation >25' To 30', Add	*45.83*	
		For Elevated Installation >30' To 35', Add	*52.38*	
		For Elevated Installation >35' To 40', Add	*65.48*	
		For Elevated Installation >40', Add	*72.02*	
26 05 33 13-0148	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	456.11	106.74
		For Work In Restricted Working Space, Add	*64.05*	
		For Elevated Installation >10' To 15', Add	*21.35*	
		For Elevated Installation >15' To 20', Add	*42.70*	
		For Elevated Installation >20' To 25', Add	*53.38*	
		For Elevated Installation >25' To 30', Add	*74.73*	
		For Elevated Installation >30' To 35', Add	*85.40*	
		For Elevated Installation >35' To 40', Add	*106.75*	
		For Elevated Installation >40', Add	*117.43*	
26 05 33 13-0149	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	587.27	160.36
		For Work In Restricted Working Space, Add	*96.22*	
		For Elevated Installation >10' To 15', Add	*32.07*	
		For Elevated Installation >15' To 20', Add	*64.15*	
		For Elevated Installation >20' To 25', Add	*80.18*	
		For Elevated Installation >25' To 30', Add	*112.26*	
		For Elevated Installation >30' To 35', Add	*128.29*	
		For Elevated Installation >35' To 40', Add	*160.37*	
		For Elevated Installation >40', Add	*176.40*	

26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0059)*

See CSI section 26 05 33 13-1638 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0151	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	70.73	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	
26 05 33 13-0152	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	84.10	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0153	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	99.45	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0154	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	111.88	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0155	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	149.61	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	
26 05 33 13-0156	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	199.33	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	
26 05 33 13-0157	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	245.46	50.29
		For Work In Restricted Working Space, Add	*30.17*	
		For Elevated Installation >10' To 15', Add	*10.06*	
		For Elevated Installation >15' To 20', Add	*20.12*	
		For Elevated Installation >20' To 25', Add	*25.15*	
		For Elevated Installation >25' To 30', Add	*35.20*	
		For Elevated Installation >30' To 35', Add	*40.23*	
		For Elevated Installation >35' To 40', Add	*50.29*	
		For Elevated Installation >40', Add	*55.32*	
26 05 33 13-0158	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	308.90	65.47
		For Work In Restricted Working Space, Add	*39.29*	
		For Elevated Installation >10' To 15', Add	*13.10*	
		For Elevated Installation >15' To 20', Add	*26.19*	
		For Elevated Installation >20' To 25', Add	*32.74*	
		For Elevated Installation >25' To 30', Add	*45.83*	
		For Elevated Installation >30' To 35', Add	*52.38*	
		For Elevated Installation >35' To 40', Add	*65.48*	
		For Elevated Installation >40', Add	*72.02*	
26 05 33 13-0159	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	515.44	106.74
		For Work In Restricted Working Space, Add	*64.05*	
		For Elevated Installation >10' To 15', Add	*21.35*	
		For Elevated Installation >15' To 20', Add	*42.70*	
		For Elevated Installation >20' To 25', Add	*53.38*	
		For Elevated Installation >25' To 30', Add	*74.73*	
		For Elevated Installation >30' To 35', Add	*85.40*	
		For Elevated Installation >35' To 40', Add	*106.75*	
		For Elevated Installation >40', Add	*117.43*	
26 05 33 13-0160	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	638.65	160.36
		For Work In Restricted Working Space, Add	*96.22*	
		For Elevated Installation >10' To 15', Add	*32.07*	
		For Elevated Installation >15' To 20', Add	*64.15*	
		For Elevated Installation >20' To 25', Add	*80.18*	
		For Elevated Installation >25' To 30', Add	*112.26*	
		For Elevated Installation >30' To 35', Add	*128.29*	
		For Elevated Installation >35' To 40', Add	*160.37*	
		For Elevated Installation >40', Add	*176.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0161		Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0059)*		
		See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0162	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	74.96	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.21*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.62*	
		For Elevated Installation >30' To 35', Add	*14.42*	
		For Elevated Installation >35' To 40', Add	*18.03*	
		For Elevated Installation >40', Add	*19.83*	
26 05 33 13-0163	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	88.89	20.88
		For Work In Restricted Working Space, Add	*12.53*	
		For Elevated Installation >10' To 15', Add	*4.18*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.88*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0164	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	103.62	23.72
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
26 05 33 13-0165	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	124.78	26.09
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.10*	
		For Elevated Installation >40', Add	*28.70*	
26 05 33 13-0166	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	165.03	32.74
		For Work In Restricted Working Space, Add	*19.64*	
		For Elevated Installation >10' To 15', Add	*6.55*	
		For Elevated Installation >15' To 20', Add	*13.09*	
		For Elevated Installation >20' To 25', Add	*16.37*	
		For Elevated Installation >25' To 30', Add	*22.91*	
		For Elevated Installation >30' To 35', Add	*26.19*	
		For Elevated Installation >35' To 40', Add	*32.74*	
		For Elevated Installation >40', Add	*36.01*	
26 05 33 13-0167	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	214.34	44.60
		For Work In Restricted Working Space, Add	*26.76*	
		For Elevated Installation >10' To 15', Add	*8.92*	
		For Elevated Installation >15' To 20', Add	*17.84*	
		For Elevated Installation >20' To 25', Add	*22.30*	
		For Elevated Installation >25' To 30', Add	*31.22*	
		For Elevated Installation >30' To 35', Add	*35.68*	
		For Elevated Installation >35' To 40', Add	*44.60*	
		For Elevated Installation >40', Add	*49.06*	
26 05 33 13-0168	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	264.25	50.29
		For Work In Restricted Working Space, Add	*30.17*	
		For Elevated Installation >10' To 15', Add	*10.06*	
		For Elevated Installation >15' To 20', Add	*20.12*	
		For Elevated Installation >20' To 25', Add	*25.15*	
		For Elevated Installation >25' To 30', Add	*35.20*	
		For Elevated Installation >30' To 35', Add	*40.23*	
		For Elevated Installation >35' To 40', Add	*50.29*	
		For Elevated Installation >40', Add	*55.32*	
26 05 33 13-0169	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	331.72	65.47
		For Work In Restricted Working Space, Add	*39.29*	
		For Elevated Installation >10' To 15', Add	*13.10*	
		For Elevated Installation >15' To 20', Add	*26.19*	
		For Elevated Installation >20' To 25', Add	*32.74*	
		For Elevated Installation >25' To 30', Add	*45.83*	
		For Elevated Installation >30' To 35', Add	*52.38*	
		For Elevated Installation >35' To 40', Add	*65.48*	
		For Elevated Installation >40', Add	*72.02*	
26 05 33 13-0170	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	534.02	106.74
		For Work In Restricted Working Space, Add	*64.05*	
		For Elevated Installation >10' To 15', Add	*21.35*	
		For Elevated Installation >15' To 20', Add	*42.70*	
		For Elevated Installation >20' To 25', Add	*53.38*	
		For Elevated Installation >25' To 30', Add	*74.73*	
		For Elevated Installation >30' To 35', Add	*85.40*	
		For Elevated Installation >35' To 40', Add	*106.75*	
		For Elevated Installation >40', Add	*117.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0171	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	649.04	160.36
		For Work In Restricted Working Space, Add	*96.22*	
		For Elevated Installation >10' To 15', Add	*32.07*	
		For Elevated Installation >15' To 20', Add	*64.15*	
		For Elevated Installation >20' To 25', Add	*80.18*	
		For Elevated Installation >25' To 30', Add	*112.26*	
		For Elevated Installation >30' To 35', Add	*128.29*	
		For Elevated Installation >35' To 40', Add	*160.37*	
		For Elevated Installation >40', Add	*176.40*	

26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0059)*

26 05 33 13-0173	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	9.53	4.65
		For Work In Restricted Working Space, Add	*2.79*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.72*	
		For Elevated Installation >35' To 40', Add	*4.65*	
		For Elevated Installation >40', Add	*5.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.79*	
26 05 33 13-0174	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	10.23	4.96
		For Work In Restricted Working Space, Add	*2.98*	
		For Elevated Installation >10' To 15', Add	*0.99*	
		For Elevated Installation >15' To 20', Add	*1.99*	
		For Elevated Installation >20' To 25', Add	*2.48*	
		For Elevated Installation >25' To 30', Add	*3.48*	
		For Elevated Installation >30' To 35', Add	*3.97*	
		For Elevated Installation >35' To 40', Add	*4.97*	
		For Elevated Installation >40', Add	*5.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.98*	
26 05 33 13-0175	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	11.63	5.58
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-0176	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.08	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	
26 05 33 13-0177	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.42	7.75
		For Work In Restricted Working Space, Add	*4.65*	
		For Elevated Installation >10' To 15', Add	*1.55*	
		For Elevated Installation >15' To 20', Add	*3.10*	
		For Elevated Installation >20' To 25', Add	*3.88*	
		For Elevated Installation >25' To 30', Add	*5.43*	
		For Elevated Installation >30' To 35', Add	*6.20*	
		For Elevated Installation >35' To 40', Add	*7.76*	
		For Elevated Installation >40', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.65*	
26 05 33 13-0178	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	20.30	9.30
		For Work In Restricted Working Space, Add	*5.58*	
		For Elevated Installation >10' To 15', Add	*1.86*	
		For Elevated Installation >15' To 20', Add	*3.72*	
		For Elevated Installation >20' To 25', Add	*4.65*	
		For Elevated Installation >25' To 30', Add	*6.51*	
		For Elevated Installation >30' To 35', Add	*7.44*	
		For Elevated Installation >35' To 40', Add	*9.31*	
		For Elevated Installation >40', Add	*10.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.58*	
26 05 33 13-0179	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	25.45	10.86
		For Work In Restricted Working Space, Add	*6.52*	
		For Elevated Installation >10' To 15', Add	*2.17*	
		For Elevated Installation >15' To 20', Add	*4.34*	
		For Elevated Installation >20' To 25', Add	*5.43*	
		For Elevated Installation >25' To 30', Add	*7.60*	
		For Elevated Installation >30' To 35', Add	*8.69*	
		For Elevated Installation >35' To 40', Add	*10.86*	
		For Elevated Installation >40', Add	*11.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0180	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	28.75	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0181	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	33.37	11.68
		For Work In Restricted Working Space, Add	*8.37*	
		For Elevated Installation >10' To 15', Add	*2.79*	
		For Elevated Installation >15' To 20', Add	*5.58*	
		For Elevated Installation >20' To 25', Add	*6.98*	
		For Elevated Installation >25' To 30', Add	*9.77*	
		For Elevated Installation >30' To 35', Add	*11.16*	
		For Elevated Installation >35' To 40', Add	*13.96*	
		For Elevated Installation >40', Add	*15.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.37*	
26 05 33 13-0182	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	37.03	15.51
		For Work In Restricted Working Space, Add	*9.31*	
		For Elevated Installation >10' To 15', Add	*3.10*	
		For Elevated Installation >15' To 20', Add	*6.20*	
		For Elevated Installation >20' To 25', Add	*7.76*	
		For Elevated Installation >25' To 30', Add	*10.86*	
		For Elevated Installation >30' To 35', Add	*12.41*	
		For Elevated Installation >35' To 40', Add	*15.51*	
		For Elevated Installation >40', Add	*17.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.31*	
26 05 33 13-0183	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	44.37	17.07
		For Work In Restricted Working Space, Add	*10.24*	
		For Elevated Installation >10' To 15', Add	*3.41*	
		For Elevated Installation >15' To 20', Add	*6.82*	
		For Elevated Installation >20' To 25', Add	*8.53*	
		For Elevated Installation >25' To 30', Add	*11.94*	
		For Elevated Installation >30' To 35', Add	*13.65*	
		For Elevated Installation >35' To 40', Add	*17.06*	
		For Elevated Installation >40', Add	*18.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.24*	
26 05 33 13-0184	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	63.19	18.61
		For Work In Restricted Working Space, Add	*11.17*	
		For Elevated Installation >10' To 15', Add	*3.72*	
		For Elevated Installation >15' To 20', Add	*7.45*	
		For Elevated Installation >20' To 25', Add	*9.31*	
		For Elevated Installation >25' To 30', Add	*13.03*	
		For Elevated Installation >30' To 35', Add	*14.89*	
		For Elevated Installation >35' To 40', Add	*18.62*	
		For Elevated Installation >40', Add	*20.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	

26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0059)*

26 05 33 13-0186	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	11.52	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0187	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	12.51	5.84
		For Work In Restricted Working Space, Add	*3.50*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.67*	
		For Elevated Installation >35' To 40', Add	*5.84*	
		For Elevated Installation >40', Add	*6.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0188	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	14.59	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0189	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	16.38	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0190	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	20.89	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0191	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	24.74	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0192	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	34.47	12.77
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.94*	
		For Elevated Installation >30' To 35', Add	*10.22*	
		For Elevated Installation >35' To 40', Add	*12.78*	
		For Elevated Installation >40', Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0193	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	40.91	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.76*	
26 05 33 13-0194	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	60.19	16.42
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 33 13-0195	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	80.85	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0196	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	107.41	20.07
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-0197	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	157.33	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0198		Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0059)*		
26 05 33 13-0199	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	12.19	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0200	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	13.52	5.84
		For Work In Restricted Working Space, Add	*3.50*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.67*	
		For Elevated Installation >35' To 40', Add	*5.84*	
		For Elevated Installation >40', Add	*6.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0201	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	15.86	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0202	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.54	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0203	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	23.14	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0204	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	28.72	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0205	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	39.87	12.77
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.94*	
		For Elevated Installation >30' To 35', Add	*10.22*	
		For Elevated Installation >35' To 40', Add	*12.78*	
		For Elevated Installation >40', Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0206	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	47.24	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.76*	
26 05 33 13-0207	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	61.37	16.42
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	86.12	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0209	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	113.16	20.07
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-0210	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	159.35	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0059)*

26 05 33 13-0212	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	18.15	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0213	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	20.32	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0214	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	23.19	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0215	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	27.48	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0216	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	33.28	11.31
		For Work In Restricted Working Space, Add	*6.79*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.53*	
		For Elevated Installation >20' To 25', Add	*5.66*	
		For Elevated Installation >25' To 30', Add	*7.92*	
		For Elevated Installation >30' To 35', Add	*9.05*	
		For Elevated Installation >35' To 40', Add	*11.32*	
		For Elevated Installation >40', Add	*12.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0217	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	41.80	13.51
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0218	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	55.56	15.69
		For Work In Restricted Working Space, Add	*9.41*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.28*	
		For Elevated Installation >20' To 25', Add	*7.85*	
		For Elevated Installation >25' To 30', Add	*10.98*	
		For Elevated Installation >30' To 35', Add	*12.55*	
		For Elevated Installation >35' To 40', Add	*15.69*	
		For Elevated Installation >40', Add	*17.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.41*	
26 05 33 13-0219	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	61.44	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0220	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	69.44	20.43
		For Work In Restricted Working Space, Add	*12.26*	
		For Elevated Installation >10' To 15', Add	*4.09*	
		For Elevated Installation >15' To 20', Add	*8.18*	
		For Elevated Installation >20' To 25', Add	*10.22*	
		For Elevated Installation >25' To 30', Add	*14.31*	
		For Elevated Installation >30' To 35', Add	*16.35*	
		For Elevated Installation >35' To 40', Add	*20.44*	
		For Elevated Installation >40', Add	*22.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 05 33 13-0221	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	88.97	22.63
		For Work In Restricted Working Space, Add	*13.58*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.05*	
		For Elevated Installation >20' To 25', Add	*11.31*	
		For Elevated Installation >25' To 30', Add	*15.84*	
		For Elevated Installation >30' To 35', Add	*18.10*	
		For Elevated Installation >35' To 40', Add	*22.63*	
		For Elevated Installation >40', Add	*24.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	
26 05 33 13-0222	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	124.89	24.82
		For Work In Restricted Working Space, Add	*14.89*	
		For Elevated Installation >10' To 15', Add	*4.96*	
		For Elevated Installation >15' To 20', Add	*9.93*	
		For Elevated Installation >20' To 25', Add	*12.41*	
		For Elevated Installation >25' To 30', Add	*17.37*	
		For Elevated Installation >30' To 35', Add	*19.85*	
		For Elevated Installation >35' To 40', Add	*24.82*	
		For Elevated Installation >40', Add	*27.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.89*	
26 05 33 13-0223	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	170.76	27.37
		For Work In Restricted Working Space, Add	*16.43*	
		For Elevated Installation >10' To 15', Add	*5.48*	
		For Elevated Installation >15' To 20', Add	*10.95*	
		For Elevated Installation >20' To 25', Add	*13.69*	
		For Elevated Installation >25' To 30', Add	*19.16*	
		For Elevated Installation >30' To 35', Add	*21.90*	
		For Elevated Installation >35' To 40', Add	*27.38*	
		For Elevated Installation >40', Add	*30.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.43*	

26 05 33 13-0224 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0059)*

26 05 33 13-0225	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	10.96	3.36
		For Work In Restricted Working Space, Add	*2.50*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.67*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.92*	
		For Elevated Installation >30' To 35', Add	*3.33*	
		For Elevated Installation >35' To 40', Add	*4.17*	
		For Elevated Installation >40', Add	*4.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	13.30	3.87
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15', Add	*0.97*	
		For Elevated Installation >15' To 20', Add	*1.93*	
		For Elevated Installation >20' To 25', Add	*2.41*	
		For Elevated Installation >25' To 30', Add	*3.38*	
		For Elevated Installation >30' To 35', Add	*3.86*	
		For Elevated Installation >35' To 40', Add	*4.83*	
		For Elevated Installation >40', Add	*5.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.90*	
26 05 33 13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	17.45	4.67
		For Work In Restricted Working Space, Add	*3.49*	
		For Elevated Installation >10' To 15', Add	*1.16*	
		For Elevated Installation >15' To 20', Add	*2.33*	
		For Elevated Installation >20' To 25', Add	*2.91*	
		For Elevated Installation >25' To 30', Add	*4.07*	
		For Elevated Installation >30' To 35', Add	*4.65*	
		For Elevated Installation >35' To 40', Add	*5.82*	
		For Elevated Installation >40', Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.49*	
26 05 33 13-0228	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	25.88	5.77
		For Work In Restricted Working Space, Add	*4.34*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.89*	
		For Elevated Installation >20' To 25', Add	*3.62*	
		For Elevated Installation >25' To 30', Add	*5.06*	
		For Elevated Installation >30' To 35', Add	*5.78*	
		For Elevated Installation >35' To 40', Add	*7.23*	
		For Elevated Installation >40', Add	*7.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.34*	
26 05 33 13-0229	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	35.04	7.74
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	59.75	11.60
		For Work In Restricted Working Space, Add	*8.70*	
		For Elevated Installation >10' To 15', Add	*2.90*	
		For Elevated Installation >15' To 20', Add	*5.80*	
		For Elevated Installation >20' To 25', Add	*7.25*	
		For Elevated Installation >25' To 30', Add	*10.15*	
		For Elevated Installation >30' To 35', Add	*11.60*	
		For Elevated Installation >35' To 40', Add	*14.50*	
		For Elevated Installation >40', Add	*15.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.70*	
26 05 33 13-0231	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	108.21	12.84
		For Work In Restricted Working Space, Add	*9.64*	
		For Elevated Installation >10' To 15', Add	*3.21*	
		For Elevated Installation >15' To 20', Add	*6.42*	
		For Elevated Installation >20' To 25', Add	*8.03*	
		For Elevated Installation >25' To 30', Add	*11.24*	
		For Elevated Installation >30' To 35', Add	*12.85*	
		For Elevated Installation >35' To 40', Add	*16.06*	
		For Elevated Installation >40', Add	*17.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.64*	
26 05 33 13-0232	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	128.97	15.55
		For Work In Restricted Working Space, Add	*11.67*	
		For Elevated Installation >10' To 15', Add	*3.89*	
		For Elevated Installation >15' To 20', Add	*7.78*	
		For Elevated Installation >20' To 25', Add	*9.73*	
		For Elevated Installation >25' To 30', Add	*13.62*	
		For Elevated Installation >30' To 35', Add	*15.56*	
		For Elevated Installation >35' To 40', Add	*19.45*	
		For Elevated Installation >40', Add	*21.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 05 33 13-0233	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	174.49	19.49
		For Work In Restricted Working Space, Add	*14.61*	
		For Elevated Installation >10' To 15', Add	*4.87*	
		For Elevated Installation >15' To 20', Add	*9.74*	
		For Elevated Installation >20' To 25', Add	*12.18*	
		For Elevated Installation >25' To 30', Add	*17.05*	
		For Elevated Installation >30' To 35', Add	*19.48*	
		For Elevated Installation >35' To 40', Add	*24.35*	
		For Elevated Installation >40', Add	*26.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.61*	
26 05 33 13-0234	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	204.38	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0235	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	359.94	25.99
		For Work In Restricted Working Space, Add	*19.46*	
		For Elevated Installation >10' To 15', Add	*6.49*	
		For Elevated Installation >15' To 20', Add	*12.98*	
		For Elevated Installation >20' To 25', Add	*16.22*	
		For Elevated Installation >25' To 30', Add	*22.71*	
		For Elevated Installation >30' To 35', Add	*25.95*	
		For Elevated Installation >35' To 40', Add	*32.44*	
		For Elevated Installation >40', Add	*35.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.46*	
26 05 33 13-0236	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	430.15	29.20
		For Work In Restricted Working Space, Add	*21.89*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.59*	
		For Elevated Installation >20' To 25', Add	*18.24*	
		For Elevated Installation >25' To 30', Add	*25.54*	
		For Elevated Installation >30' To 35', Add	*29.19*	
		For Elevated Installation >35' To 40', Add	*36.49*	
		For Elevated Installation >40', Add	*40.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.89*	

26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0059)*

26 05 33 13-0238	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	10.38	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0239	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	11.95	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0240	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	15.26	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0241	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	17.82	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0242	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	20.35	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0243	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	10.45	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0244	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	12.06	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0245	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	15.39	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0246	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.99	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0247	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.62	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0248	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	23.29	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0249	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	10.53	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	12.16	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	15.56	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0252	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	18.14	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	20.80	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	23.74	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.66	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	42.71	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	10.63	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	12.21	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	15.79	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.43	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.18	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	24.20	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	32.91	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	43.79	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	10.72	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	12.38	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	15.93	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	18.57	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	21.44	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	24.60	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	33.29	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	44.59	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	51.20	19.34
		For Work In Restricted Working Space, Add	*11.60*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.67*	
		For Elevated Installation >25' To 30', Add	*13.54*	
		For Elevated Installation >30' To 35', Add	*15.47*	
		For Elevated Installation >35' To 40', Add	*19.34*	
		For Elevated Installation >40', Add	*21.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-0274	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	64.42	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0275	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	10.87	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0276	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	12.60	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0277	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	16.20	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	18.97	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	21.83	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	25.29	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	34.83	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	46.26	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	52.86	19.34
		For Work In Restricted Working Space, Add	*11.60*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.67*	
		For Elevated Installation >25' To 30', Add	*13.54*	
		For Elevated Installation >30' To 35', Add	*15.47*	
		For Elevated Installation >35' To 40', Add	*19.34*	
		For Elevated Installation >40', Add	*21.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	66.84	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	101.33	34.67
		For Work In Restricted Working Space, Add	*20.80*	
		For Elevated Installation >10' To 15', Add	*6.93*	
		For Elevated Installation >15' To 20', Add	*13.87*	
		For Elevated Installation >20' To 25', Add	*17.33*	
		For Elevated Installation >25' To 30', Add	*24.27*	
		For Elevated Installation >30' To 35', Add	*27.73*	
		For Elevated Installation >35' To 40', Add	*34.67*	
		For Elevated Installation >40', Add	*38.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-0286	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	128.84	44.45
		For Work In Restricted Working Space, Add	*26.69*	
		For Elevated Installation >10' To 15', Add	*8.90*	
		For Elevated Installation >15' To 20', Add	*17.79*	
		For Elevated Installation >20' To 25', Add	*22.24*	
		For Elevated Installation >25' To 30', Add	*31.14*	
		For Elevated Installation >30' To 35', Add	*35.58*	
		For Elevated Installation >35' To 40', Add	*44.48*	
		For Elevated Installation >40', Add	*48.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.69*	
26 05 33 13-0287	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	11.13	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0288	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	12.87	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0289	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	16.42	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0290	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	19.33	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0291	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	22.65	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0292	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	25.99	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0293	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	36.18	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0294	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	47.96	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0295	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	54.89	19.34
		For Work In Restricted Working Space, Add	*11.60*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.67*	
		For Elevated Installation >25' To 30', Add	*13.54*	
		For Elevated Installation >30' To 35', Add	*15.47*	
		For Elevated Installation >35' To 40', Add	*19.34*	
		For Elevated Installation >40', Add	*21.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-0296	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	68.77	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0297	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	104.15	34.67
		For Work In Restricted Working Space, Add	*20.80*	
		For Elevated Installation >10' To 15', Add	*6.93*	
		For Elevated Installation >15' To 20', Add	*13.87*	
		For Elevated Installation >20' To 25', Add	*17.33*	
		For Elevated Installation >25' To 30', Add	*24.27*	
		For Elevated Installation >30' To 35', Add	*27.73*	
		For Elevated Installation >35' To 40', Add	*34.67*	
		For Elevated Installation >40', Add	*38.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0298	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	132.96	44.45
		For Work In Restricted Working Space, Add	*26.69*	
		For Elevated Installation >10' To 15', Add	*8.90*	
		For Elevated Installation >15' To 20', Add	*17.79*	
		For Elevated Installation >20' To 25', Add	*22.24*	
		For Elevated Installation >25' To 30', Add	*31.14*	
		For Elevated Installation >30' To 35', Add	*35.58*	
		For Elevated Installation >35' To 40', Add	*44.48*	
		For Elevated Installation >40', Add	*48.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.69*	
26 05 33 13-0299	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	12.11	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	14.12	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	17.89	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0302	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	21.43	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0303	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	24.99	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0304	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	28.45	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0305	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	39.76	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0306	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	52.07	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0307	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	58.99	19.34
		For Work In Restricted Working Space, Add	*11.60*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.67*	
		For Elevated Installation >25' To 30', Add	*13.54*	
		For Elevated Installation >30' To 35', Add	*15.47*	
		For Elevated Installation >35' To 40', Add	*19.34*	
		For Elevated Installation >40', Add	*21.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-0308	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	73.30	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0309	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	110.68	34.67
		For Work In Restricted Working Space, Add	*20.80*	
		For Elevated Installation >10' To 15', Add	*6.93*	
		For Elevated Installation >15' To 20', Add	*13.87*	
		For Elevated Installation >20' To 25', Add	*17.33*	
		For Elevated Installation >25' To 30', Add	*24.27*	
		For Elevated Installation >30' To 35', Add	*27.73*	
		For Elevated Installation >35' To 40', Add	*34.67*	
		For Elevated Installation >40', Add	*38.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-0310	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	140.31	44.45
		For Work In Restricted Working Space, Add	*26.69*	
		For Elevated Installation >10' To 15', Add	*8.90*	
		For Elevated Installation >15' To 20', Add	*17.79*	
		For Elevated Installation >20' To 25', Add	*22.24*	
		For Elevated Installation >25' To 30', Add	*31.14*	
		For Elevated Installation >30' To 35', Add	*35.58*	
		For Elevated Installation >35' To 40', Add	*44.48*	
		For Elevated Installation >40', Add	*48.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.69*	
26 05 33 13-0311	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	12.77	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	14.76	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	19.05	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	22.82	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	26.35	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0316	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	30.03	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0317	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	42.17	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0318	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	55.30	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0319	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	63.25	19.34
		For Work In Restricted Working Space, Add	*11.60*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.67*	
		For Elevated Installation >25' To 30', Add	*13.54*	
		For Elevated Installation >30' To 35', Add	*15.47*	
		For Elevated Installation >35' To 40', Add	*19.34*	
		For Elevated Installation >40', Add	*21.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-0320	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	78.70	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0321	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	117.81	34.67
		For Work In Restricted Working Space, Add	*20.80*	
		For Elevated Installation >10' To 15', Add	*6.93*	
		For Elevated Installation >15' To 20', Add	*13.87*	
		For Elevated Installation >20' To 25', Add	*17.33*	
		For Elevated Installation >25' To 30', Add	*24.27*	
		For Elevated Installation >30' To 35', Add	*27.73*	
		For Elevated Installation >35' To 40', Add	*34.67*	
		For Elevated Installation >40', Add	*38.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-0322	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	153.13	44.45
		For Work In Restricted Working Space, Add	*26.69*	
		For Elevated Installation >10' To 15', Add	*8.90*	
		For Elevated Installation >15' To 20', Add	*17.79*	
		For Elevated Installation >20' To 25', Add	*22.24*	
		For Elevated Installation >25' To 30', Add	*31.14*	
		For Elevated Installation >30' To 35', Add	*35.58*	
		For Elevated Installation >35' To 40', Add	*44.48*	
		For Elevated Installation >40', Add	*48.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.69*	
26 05 33 13-0323	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	13.27	4.74
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0324	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	15.23	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0325	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	19.76	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0326	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	23.93	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0327	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	27.04	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	31.36	10.22
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.09*	
		For Elevated Installation >20' To 25', Add	*5.11*	
		For Elevated Installation >25' To 30', Add	*7.15*	
		For Elevated Installation >30' To 35', Add	*8.17*	
		For Elevated Installation >35' To 40', Add	*10.22*	
		For Elevated Installation >40', Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	45.00	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	59.80	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	67.40	19.34
		For Work In Restricted Working Space, Add	*11.60*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.67*	
		For Elevated Installation >25' To 30', Add	*13.54*	
		For Elevated Installation >30' To 35', Add	*15.47*	
		For Elevated Installation >35' To 40', Add	*19.34*	
		For Elevated Installation >40', Add	*21.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	84.09	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	128.06	34.67
		For Work In Restricted Working Space, Add	*20.80*	
		For Elevated Installation >10' To 15', Add	*6.93*	
		For Elevated Installation >15' To 20', Add	*13.87*	
		For Elevated Installation >20' To 25', Add	*17.33*	
		For Elevated Installation >25' To 30', Add	*24.27*	
		For Elevated Installation >30' To 35', Add	*27.73*	
		For Elevated Installation >35' To 40', Add	*34.67*	
		For Elevated Installation >40', Add	*38.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	160.26	44.45
		For Work In Restricted Working Space, Add	*26.69*	
		For Elevated Installation >10' To 15', Add	*8.90*	
		For Elevated Installation >15' To 20', Add	*17.79*	
		For Elevated Installation >20' To 25', Add	*22.24*	
		For Elevated Installation >25' To 30', Add	*31.14*	
		For Elevated Installation >30' To 35', Add	*35.58*	
		For Elevated Installation >35' To 40', Add	*44.48*	
		For Elevated Installation >40', Add	*48.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.69*	

26 05 33 13-0335 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0059)*

26 05 33 13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	10.97	3.80
		For Work In Restricted Working Space, Add	*2.87*	
		For Elevated Installation >10' To 15', Add	*0.96*	
		For Elevated Installation >15' To 20', Add	*1.91*	
		For Elevated Installation >20' To 25', Add	*2.39*	
		For Elevated Installation >25' To 30', Add	*3.35*	
		For Elevated Installation >30' To 35', Add	*3.83*	
		For Elevated Installation >35' To 40', Add	*4.79*	
		For Elevated Installation >40', Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.87*	
26 05 33 13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.04	4.38
		For Work In Restricted Working Space, Add	*3.27*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.18*	
		For Elevated Installation >20' To 25', Add	*2.72*	
		For Elevated Installation >25' To 30', Add	*3.81*	
		For Elevated Installation >30' To 35', Add	*4.36*	
		For Elevated Installation >35' To 40', Add	*5.45*	
		For Elevated Installation >40', Add	*5.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	
26 05 33 13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	16.38	5.54
		For Work In Restricted Working Space, Add	*4.18*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.79*	
		For Elevated Installation >20' To 25', Add	*3.48*	
		For Elevated Installation >25' To 30', Add	*4.88*	
		For Elevated Installation >30' To 35', Add	*5.57*	
		For Elevated Installation >35' To 40', Add	*6.97*	
		For Elevated Installation >40', Add	*7.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-0339	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	20.64	6.64
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.34*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.84*	
		For Elevated Installation >30' To 35', Add	*6.67*	
		For Elevated Installation >35' To 40', Add	*8.34*	
		For Elevated Installation >40', Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-0340	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.60	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.57*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0341	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	29.39	8.97
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.87*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0342	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	47.99	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0343	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	76.46	20.14
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0344	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	94.41	23.79
		For Work In Restricted Working Space, Add	*17.75*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.83*	
		For Elevated Installation >20' To 25', Add	*14.79*	
		For Elevated Installation >25' To 30', Add	*20.71*	
		For Elevated Installation >30' To 35', Add	*23.66*	
		For Elevated Installation >35' To 40', Add	*29.58*	
		For Elevated Installation >40', Add	*32.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.75*	
26 05 33 13-0345	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	112.96	27.44
		For Work In Restricted Working Space, Add	*20.59*	
		For Elevated Installation >10' To 15', Add	*6.86*	
		For Elevated Installation >15' To 20', Add	*13.72*	
		For Elevated Installation >20' To 25', Add	*17.16*	
		For Elevated Installation >25' To 30', Add	*24.02*	
		For Elevated Installation >30' To 35', Add	*27.45*	
		For Elevated Installation >35' To 40', Add	*34.31*	
		For Elevated Installation >40', Add	*37.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.59*	

26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0059)*

Note: Erickson fittings.

26 05 33 13-0347	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	30.79	11.68
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0348	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	34.63	13.06
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.52*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.31*	
		For Elevated Installation >40', Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0349	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	40.04	14.53
		For Work In Restricted Working Space, Add	*10.90*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.27*	
		For Elevated Installation >20' To 25', Add	*9.09*	
		For Elevated Installation >25' To 30', Add	*12.72*	
		For Elevated Installation >30' To 35', Add	*14.54*	
		For Elevated Installation >35' To 40', Add	*18.17*	
		For Elevated Installation >40', Add	*19.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.90*	
26 05 33 13-0350	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	47.66	15.91
		For Work In Restricted Working Space, Add	*11.93*	
		For Elevated Installation >10' To 15', Add	*3.98*	
		For Elevated Installation >15' To 20', Add	*7.95*	
		For Elevated Installation >20' To 25', Add	*9.94*	
		For Elevated Installation >25' To 30', Add	*13.92*	
		For Elevated Installation >30' To 35', Add	*15.91*	
		For Elevated Installation >35' To 40', Add	*19.89*	
		For Elevated Installation >40', Add	*21.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.93*	
26 05 33 13-0351	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	52.97	17.38
		For Work In Restricted Working Space, Add	*13.05*	
		For Elevated Installation >10' To 15', Add	*4.35*	
		For Elevated Installation >15' To 20', Add	*8.70*	
		For Elevated Installation >20' To 25', Add	*10.88*	
		For Elevated Installation >25' To 30', Add	*15.23*	
		For Elevated Installation >30' To 35', Add	*17.40*	
		For Elevated Installation >35' To 40', Add	*21.76*	
		For Elevated Installation >40', Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	66.07	18.83
		For Work In Restricted Working Space, Add	*14.14*	
		For Elevated Installation >10' To 15', Add	*4.71*	
		For Elevated Installation >15' To 20', Add	*9.42*	
		For Elevated Installation >20' To 25', Add	*11.78*	
		For Elevated Installation >25' To 30', Add	*16.49*	
		For Elevated Installation >30' To 35', Add	*18.85*	
		For Elevated Installation >35' To 40', Add	*23.56*	
		For Elevated Installation >40', Add	*25.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.14*	
26 05 33 13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	102.29	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-0354	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	139.61	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	
26 05 33 13-0355	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	198.59	35.03
		For Work In Restricted Working Space, Add	*26.29*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.91*	
		For Elevated Installation >25' To 30', Add	*30.67*	
		For Elevated Installation >30' To 35', Add	*35.05*	
		For Elevated Installation >35' To 40', Add	*43.81*	
		For Elevated Installation >40', Add	*48.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.29*	
26 05 33 13-0356	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	225.37	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	
26 05 33 13-0357	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	384.59	46.71
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.35*	
		For Elevated Installation >20' To 25', Add	*29.19*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.03*	
26 05 33 13-0358	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	492.00	54.01
		For Work In Restricted Working Space, Add	*40.51*	
		For Elevated Installation >10' To 15', Add	*13.50*	
		For Elevated Installation >15' To 20', Add	*27.00*	
		For Elevated Installation >20' To 25', Add	*33.76*	
		For Elevated Installation >25' To 30', Add	*47.26*	
		For Elevated Installation >30' To 35', Add	*54.01*	
		For Elevated Installation >35' To 40', Add	*67.51*	
		For Elevated Installation >40', Add	*74.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.51*	

26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0059)*

26 05 33 13-0360	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	18.36	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0361	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.51	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
26 05 33 13-0362	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	23.55	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0363	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	26.70	7.88
		For Work In Restricted Working Space, Add	*5.91*	
		For Elevated Installation >10' To 15', Add	*1.97*	
		For Elevated Installation >15' To 20', Add	*3.94*	
		For Elevated Installation >20' To 25', Add	*4.93*	
		For Elevated Installation >25' To 30', Add	*6.90*	
		For Elevated Installation >30' To 35', Add	*7.88*	
		For Elevated Installation >35' To 40', Add	*9.85*	
		For Elevated Installation >40', Add	*10.84*	
26 05 33 13-0364	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	31.66	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0365	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	38.50	9.64
		For Work In Restricted Working Space, Add	*7.22*	
		For Elevated Installation >10' To 15', Add	*2.41*	
		For Elevated Installation >15' To 20', Add	*4.82*	
		For Elevated Installation >20' To 25', Add	*6.02*	
		For Elevated Installation >25' To 30', Add	*8.43*	
		For Elevated Installation >30' To 35', Add	*9.63*	
		For Elevated Installation >35' To 40', Add	*12.04*	
		For Elevated Installation >40', Add	*13.24*	
26 05 33 13-0366	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	52.32	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0367	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	64.71	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	77.74	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0369	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	87.75	18.98
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	

26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0059)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	15.90	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	17.71	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	21.90	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	26.86	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0375	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	34.65	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.76*	
26 05 33 13-0376	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	40.13	16.42
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 33 13-0377	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	48.87	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0378	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	65.36	22.99
		For Work In Restricted Working Space, Add	*13.79*	
		For Elevated Installation >10' To 15', Add	*4.60*	
		For Elevated Installation >15' To 20', Add	*9.20*	
		For Elevated Installation >20' To 25', Add	*11.50*	
		For Elevated Installation >25' To 30', Add	*16.09*	
		For Elevated Installation >30' To 35', Add	*18.39*	
		For Elevated Installation >35' To 40', Add	*22.99*	
		For Elevated Installation >40', Add	*25.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	77.74	27.73
		For Work In Restricted Working Space, Add	*16.64*	
		For Elevated Installation >10' To 15', Add	*5.55*	
		For Elevated Installation >15' To 20', Add	*11.10*	
		For Elevated Installation >20' To 25', Add	*13.87*	
		For Elevated Installation >25' To 30', Add	*19.42*	
		For Elevated Installation >30' To 35', Add	*22.19*	
		For Elevated Installation >35' To 40', Add	*27.74*	
		For Elevated Installation >40', Add	*30.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	95.04	32.85
		For Work In Restricted Working Space, Add	*19.71*	
		For Elevated Installation >10' To 15', Add	*6.57*	
		For Elevated Installation >15' To 20', Add	*13.14*	
		For Elevated Installation >20' To 25', Add	*16.43*	
		For Elevated Installation >25' To 30', Add	*23.00*	
		For Elevated Installation >30' To 35', Add	*26.28*	
		For Elevated Installation >35' To 40', Add	*32.85*	
		For Elevated Installation >40', Add	*36.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.71*	

26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0059)*

Note: Type AX

26 05 33 13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	89.23	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	101.37	13.14
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
26 05 33 13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	120.80	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	149.34	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
26 05 33 13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	189.73	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	266.33	18.98
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	
26 05 33 13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	412.24	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
26 05 33 13-0389	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	528.73	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0390	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	777.73	35.03
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	
26 05 33 13-0391	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	828.59	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	
26 05 33 13-0392	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,277.99	46.71
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.20*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.23*	
26 05 33 13-0393	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,574.21	51.83
		For Work In Restricted Working Space, Add	*38.89*	
		For Elevated Installation >10' To 15', Add	*12.96*	
		For Elevated Installation >15' To 20', Add	*25.93*	
		For Elevated Installation >20' To 25', Add	*32.41*	
		For Elevated Installation >25' To 30', Add	*45.37*	
		For Elevated Installation >30' To 35', Add	*51.86*	
		For Elevated Installation >35' To 40', Add	*64.82*	
		For Elevated Installation >40', Add	*71.30*	

26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0059)*

Note: Type AX-8

26 05 33 13-0395	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	99.26	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0396	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	110.27	13.14
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
26 05 33 13-0397	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	134.75	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0398	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	171.31	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
26 05 33 13-0399	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	233.39	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0400	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	287.19	18.98
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	
26 05 33 13-0401	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	547.49	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
26 05 33 13-0402	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	621.08	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
26 05 33 13-0403	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	960.23	35.03
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	
26 05 33 13-0404	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,039.53	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	
26 05 33 13-0405	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,455.80	46.71
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.20*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.23*	
26 05 33 13-0406	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,802.98	51.83
		For Work In Restricted Working Space, Add	*38.89*	
		For Elevated Installation >10' To 15', Add	*12.96*	
		For Elevated Installation >15' To 20', Add	*25.93*	
		For Elevated Installation >20' To 25', Add	*32.41*	
		For Elevated Installation >25' To 30', Add	*45.37*	
		For Elevated Installation >30' To 35', Add	*51.86*	
		For Elevated Installation >35' To 40', Add	*64.82*	
		For Elevated Installation >40', Add	*71.30*	

26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0059)*

Note: Type EX

26 05 33 13-0408	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	113.95	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0409	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	144.89	13.14
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0410	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	181.53	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0411	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	221.97	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
26 05 33 13-0412	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	301.97	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0413	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	419.73	18.98
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	
26 05 33 13-0414	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	656.61	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
26 05 33 13-0415	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	886.76	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
26 05 33 13-0416	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,338.11	35.03
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	
26 05 33 13-0417	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,383.73	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	
26 05 33 13-0418	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,090.27	46.71
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.20*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.23*	
26 05 33 13-0419	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,595.86	51.83
		For Work In Restricted Working Space, Add	*38.89*	
		For Elevated Installation >10' To 15', Add	*12.96*	
		For Elevated Installation >15' To 20', Add	*25.93*	
		For Elevated Installation >20' To 25', Add	*32.41*	
		For Elevated Installation >25' To 30', Add	*45.37*	
		For Elevated Installation >30' To 35', Add	*51.86*	
		For Elevated Installation >35' To 40', Add	*64.82*	
		For Elevated Installation >40', Add	*71.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0420		Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0059)*		
		Note: Type DX		
26 05 33 13-0421	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	204.52	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0422	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	244.21	13.14
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
26 05 33 13-0423	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	296.15	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0424	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	348.97	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
26 05 33 13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	386.08	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	479.13	18.98
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	
26 05 33 13-0427	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	634.55	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
26 05 33 13-0428	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	805.04	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
26 05 33 13-0429	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	904.21	35.03
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,099.81	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	
26 05 33 13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,894.49	46.71
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.20*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.23*	
26 05 33 13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,028.83	51.83
		For Work In Restricted Working Space, Add	*38.89*	
		For Elevated Installation >10' To 15', Add	*12.96*	
		For Elevated Installation >15' To 20', Add	*25.93*	
		For Elevated Installation >20' To 25', Add	*32.41*	
		For Elevated Installation >25' To 30', Add	*45.37*	
		For Elevated Installation >30' To 35', Add	*51.86*	
		For Elevated Installation >35' To 40', Add	*64.82*	
		For Elevated Installation >40', Add	*71.30*	

26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0059)*

26 05 33 13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	50.75	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0435	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	58.05	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0436	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	71.74	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0437	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	101.22	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0438	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	153.49	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0439	EA	5" To 6" Conduit, 14" Bonding Jumper	266.80	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0440	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	56.94	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0441	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	65.87	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0442	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	78.90	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0443	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	110.74	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0444	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	166.10	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0445	EA	5" To 6" Conduit, 24" Bonding Jumper	307.49	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	

26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0059)*

26 05 33 13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	62.62	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	74.47	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	90.52	25.55
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	106.27	29.20
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	137.77	32.85
		For Work In Restricted Working Space, Add	*19.71*	
		For Elevated Installation >10' To 15', Add	*6.57*	
		For Elevated Installation >15' To 20', Add	*13.14*	
		For Elevated Installation >20' To 25', Add	*16.43*	
		For Elevated Installation >25' To 30', Add	*23.00*	
		For Elevated Installation >30' To 35', Add	*26.28*	
		For Elevated Installation >35' To 40', Add	*32.85*	
		For Elevated Installation >40', Add	*36.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.71*	
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	166.37	36.50
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	
26 05 33 13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	232.67	43.80
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.28*	
26 05 33 13-0454	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	279.41	51.10
		For Work In Restricted Working Space, Add	*30.66*	
		For Elevated Installation >10' To 15', Add	*10.22*	
		For Elevated Installation >15' To 20', Add	*20.44*	
		For Elevated Installation >20' To 25', Add	*25.55*	
		For Elevated Installation >25' To 30', Add	*35.77*	
		For Elevated Installation >30' To 35', Add	*40.88*	
		For Elevated Installation >35' To 40', Add	*51.10*	
		For Elevated Installation >40', Add	*56.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.66*	
26 05 33 13-0455	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	627.89	58.40
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.20*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.03*	
26 05 33 13-0456	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	722.92	65.70
		For Work In Restricted Working Space, Add	*39.41*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.98*	
		For Elevated Installation >30' To 35', Add	*52.55*	
		For Elevated Installation >35' To 40', Add	*65.69*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.41*	

26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0059)*

26 05 33 13-0458	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	9.58	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0459	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	13.44	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0460	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	17.63	8.03
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
26 05 33 13-0461	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	20.23	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0462	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	24.37	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0463	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	28.51	12.41
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.96*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.41*	
		For Elevated Installation >40', Add	*13.65*	
26 05 33 13-0464	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	36.01	13.87
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
26 05 33 13-0465	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	42.14	15.69
		For Work In Restricted Working Space, Add	*9.41*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.28*	
		For Elevated Installation >20' To 25', Add	*7.85*	
		For Elevated Installation >25' To 30', Add	*10.98*	
		For Elevated Installation >30' To 35', Add	*12.55*	
		For Elevated Installation >35' To 40', Add	*15.69*	
		For Elevated Installation >40', Add	*17.26*	
26 05 33 13-0466	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	48.84	17.16
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.15*	
		For Elevated Installation >40', Add	*18.87*	
26 05 33 13-0467	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	51.65	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	

26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0059)*

26 05 33 13-0469	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.18	0.73
26 05 33 13-0470	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	3.03	1.09
26 05 33 13-0471	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	5.03	1.82
26 05 33 13-0472	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	7.26	2.56
26 05 33 13-0473	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	8.68	2.92
26 05 33 13-0474	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	10.19	3.29

26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0059)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0476	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	126.20	8.86
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.43*	
		For Elevated Installation >20' To 25', Add	*5.54*	
		For Elevated Installation >25' To 30', Add	*7.75*	
		For Elevated Installation >30' To 35', Add	*8.86*	
		For Elevated Installation >35' To 40', Add	*11.08*	
		For Elevated Installation >40', Add	*12.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-0477	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	128.33	9.71
		For Work In Restricted Working Space, Add	*7.28*	
		For Elevated Installation >10' To 15', Add	*2.43*	
		For Elevated Installation >15' To 20', Add	*4.86*	
		For Elevated Installation >20' To 25', Add	*6.07*	
		For Elevated Installation >25' To 30', Add	*8.50*	
		For Elevated Installation >30' To 35', Add	*9.71*	
		For Elevated Installation >35' To 40', Add	*12.14*	
		For Elevated Installation >40', Add	*13.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.28*	
26 05 33 13-0478	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	153.93	10.66
		For Work In Restricted Working Space, Add	*7.98*	
		For Elevated Installation >10' To 15', Add	*2.66*	
		For Elevated Installation >15' To 20', Add	*5.32*	
		For Elevated Installation >20' To 25', Add	*6.65*	
		For Elevated Installation >25' To 30', Add	*9.31*	
		For Elevated Installation >30' To 35', Add	*10.64*	
		For Elevated Installation >35' To 40', Add	*13.30*	
		For Elevated Installation >40', Add	*14.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.98*	
26 05 33 13-0479	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	168.99	11.68
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.61*	
		For Elevated Installation >40', Add	*16.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0480	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	192.80	13.14
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 33 13-0481	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	284.99	14.60
		For Work In Restricted Working Space, Add	*10.96*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.61*	
		For Elevated Installation >35' To 40', Add	*18.26*	
		For Elevated Installation >40', Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.96*	
26 05 33 13-0482	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	328.22	19.49
		For Work In Restricted Working Space, Add	*14.61*	
		For Elevated Installation >10' To 15', Add	*4.87*	
		For Elevated Installation >15' To 20', Add	*9.74*	
		For Elevated Installation >20' To 25', Add	*12.17*	
		For Elevated Installation >25' To 30', Add	*17.04*	
		For Elevated Installation >30' To 35', Add	*19.48*	
		For Elevated Installation >35' To 40', Add	*24.35*	
		For Elevated Installation >40', Add	*26.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.61*	
26 05 33 13-0483	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	364.09	21.39
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.75*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0484	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	423.35	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.21*	
		For Elevated Installation >40', Add	*32.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0485	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	477.23	26.28
		For Work In Restricted Working Space, Add	*19.71*	
		For Elevated Installation >10' To 15', Add	*6.57*	
		For Elevated Installation >15' To 20', Add	*13.14*	
		For Elevated Installation >20' To 25', Add	*16.43*	
		For Elevated Installation >25' To 30', Add	*23.00*	
		For Elevated Installation >30' To 35', Add	*26.28*	
		For Elevated Installation >35' To 40', Add	*32.85*	
		For Elevated Installation >40', Add	*36.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.71*	
26 05 33 13-0486	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	639.82	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	
26 05 33 13-0487	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	795.38	32.41
		For Work In Restricted Working Space, Add	*24.31*	
		For Elevated Installation >10' To 15', Add	*8.10*	
		For Elevated Installation >15' To 20', Add	*16.20*	
		For Elevated Installation >20' To 25', Add	*20.26*	
		For Elevated Installation >25' To 30', Add	*28.36*	
		For Elevated Installation >30' To 35', Add	*32.41*	
		For Elevated Installation >35' To 40', Add	*40.51*	
		For Elevated Installation >40', Add	*44.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.31*	

26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0059)*

26 05 33 13-0489	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	11.87	5.66
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15', Add	*1.13*	
		For Elevated Installation >15' To 20', Add	*2.26*	
		For Elevated Installation >20' To 25', Add	*2.83*	
		For Elevated Installation >25' To 30', Add	*3.96*	
		For Elevated Installation >30' To 35', Add	*4.52*	
		For Elevated Installation >35' To 40', Add	*5.66*	
		For Elevated Installation >40', Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0490	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	13.07	6.03
		For Work In Restricted Working Space, Add	*3.61*	
		For Elevated Installation >10' To 15', Add	*1.20*	
		For Elevated Installation >15' To 20', Add	*2.41*	
		For Elevated Installation >20' To 25', Add	*3.01*	
		For Elevated Installation >25' To 30', Add	*4.21*	
		For Elevated Installation >30' To 35', Add	*4.82*	
		For Elevated Installation >35' To 40', Add	*6.02*	
		For Elevated Installation >40', Add	*6.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-0491	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	13.44	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	
26 05 33 13-0492	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	15.44	6.39
		For Work In Restricted Working Space, Add	*3.83*	
		For Elevated Installation >10' To 15', Add	*1.28*	
		For Elevated Installation >15' To 20', Add	*2.55*	
		For Elevated Installation >20' To 25', Add	*3.19*	
		For Elevated Installation >25' To 30', Add	*4.47*	
		For Elevated Installation >30' To 35', Add	*5.11*	
		For Elevated Installation >35' To 40', Add	*6.39*	
		For Elevated Installation >40', Add	*7.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-0493	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	15.81	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0494	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	16.54	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0495	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	17.83	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0496	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	18.19	7.48
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*2.99*	
		For Elevated Installation >20' To 25', Add	*3.74*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.98*	
		For Elevated Installation >35' To 40', Add	*7.48*	
		For Elevated Installation >40', Add	*8.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0497	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	18.92	7.85
		For Work In Restricted Working Space, Add	*4.71*	
		For Elevated Installation >10' To 15', Add	*1.57*	
		For Elevated Installation >15' To 20', Add	*3.14*	
		For Elevated Installation >20' To 25', Add	*3.92*	
		For Elevated Installation >25' To 30', Add	*5.49*	
		For Elevated Installation >30' To 35', Add	*6.28*	
		For Elevated Installation >35' To 40', Add	*7.85*	
		For Elevated Installation >40', Add	*8.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.71*	
26 05 33 13-0498	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	19.65	8.21
		For Work In Restricted Working Space, Add	*4.93*	
		For Elevated Installation >10' To 15', Add	*1.64*	
		For Elevated Installation >15' To 20', Add	*3.28*	
		For Elevated Installation >20' To 25', Add	*4.11*	
		For Elevated Installation >25' To 30', Add	*5.75*	
		For Elevated Installation >30' To 35', Add	*6.57*	
		For Elevated Installation >35' To 40', Add	*8.21*	
		For Elevated Installation >40', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.93*	
26 05 33 13-0499	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	23.52	8.21
		For Work In Restricted Working Space, Add	*4.93*	
		For Elevated Installation >10' To 15', Add	*1.64*	
		For Elevated Installation >15' To 20', Add	*3.28*	
		For Elevated Installation >20' To 25', Add	*4.11*	
		For Elevated Installation >25' To 30', Add	*5.75*	
		For Elevated Installation >30' To 35', Add	*6.57*	
		For Elevated Installation >35' To 40', Add	*8.21*	
		For Elevated Installation >40', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.93*	
26 05 33 13-0500	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	23.88	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0501	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	24.62	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.50*	
		For Elevated Installation >20' To 25', Add	*4.38*	
		For Elevated Installation >25' To 30', Add	*6.13*	
		For Elevated Installation >30' To 35', Add	*7.01*	
		For Elevated Installation >35' To 40', Add	*8.76*	
		For Elevated Installation >40', Add	*9.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0502	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	25.35	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0503	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.17	10.04
		For Work In Restricted Working Space, Add	*6.02*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.01*	
		For Elevated Installation >20' To 25', Add	*5.02*	
		For Elevated Installation >25' To 30', Add	*7.02*	
		For Elevated Installation >30' To 35', Add	*8.03*	
		For Elevated Installation >35' To 40', Add	*10.04*	
		For Elevated Installation >40', Add	*11.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-0504	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	34.23	11.86
		For Work In Restricted Working Space, Add	*7.12*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.49*	
		For Elevated Installation >35' To 40', Add	*11.86*	
		For Elevated Installation >40', Add	*13.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.12*	

26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0059)*

26 05 33 13-0506	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	1.51	0.73
		For Work In Restricted Working Space, Add	*0.44*	
		For Elevated Installation >10' To 15', Add	*0.15*	
		For Elevated Installation >15' To 20', Add	*0.29*	
		For Elevated Installation >20' To 25', Add	*0.37*	
		For Elevated Installation >25' To 30', Add	*0.51*	
		For Elevated Installation >30' To 35', Add	*0.58*	
		For Elevated Installation >35' To 40', Add	*0.73*	
		For Elevated Installation >40', Add	*0.80*	
26 05 33 13-0507	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	2.26	1.09
		For Work In Restricted Working Space, Add	*0.66*	
		For Elevated Installation >10' To 15', Add	*0.22*	
		For Elevated Installation >15' To 20', Add	*0.44*	
		For Elevated Installation >20' To 25', Add	*0.55*	
		For Elevated Installation >25' To 30', Add	*0.77*	
		For Elevated Installation >30' To 35', Add	*0.88*	
		For Elevated Installation >35' To 40', Add	*1.10*	
		For Elevated Installation >40', Add	*1.20*	
26 05 33 13-0508	EA	1" Rigid Galvanized Steel (RGS) Locknuts	3.77	1.82
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
26 05 33 13-0509	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	5.31	2.56
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0510	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	6.10	2.92
		For Work In Restricted Working Space, Add	*1.75*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.17*	
		For Elevated Installation >20' To 25', Add	*1.46*	
		For Elevated Installation >25' To 30', Add	*2.04*	
		For Elevated Installation >30' To 35', Add	*2.34*	
		For Elevated Installation >35' To 40', Add	*2.92*	
		For Elevated Installation >40', Add	*3.21*	
26 05 33 13-0511	EA	2" Rigid Galvanized Steel (RGS) Locknuts	6.89	3.29
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	
26 05 33 13-0512	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.60	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0513	EA	3" Rigid Galvanized Steel (RGS) Locknuts	11.88	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0514	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	13.95	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
26 05 33 13-0515	EA	4" Rigid Galvanized Steel (RGS) Locknuts	15.65	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	

26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0059)*

26 05 33 13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.23	0.73
		For Work In Restricted Working Space, Add	*0.44*	
		For Elevated Installation >10' To 15', Add	*0.15*	
		For Elevated Installation >15' To 20', Add	*0.29*	
		For Elevated Installation >20' To 25', Add	*0.37*	
		For Elevated Installation >25' To 30', Add	*0.51*	
		For Elevated Installation >30' To 35', Add	*0.58*	
		For Elevated Installation >35' To 40', Add	*0.73*	
		For Elevated Installation >40', Add	*0.80*	
26 05 33 13-0518	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.11	1.09
		For Work In Restricted Working Space, Add	*0.66*	
		For Elevated Installation >10' To 15', Add	*0.22*	
		For Elevated Installation >15' To 20', Add	*0.44*	
		For Elevated Installation >20' To 25', Add	*0.55*	
		For Elevated Installation >25' To 30', Add	*0.77*	
		For Elevated Installation >30' To 35', Add	*0.88*	
		For Elevated Installation >35' To 40', Add	*1.10*	
		For Elevated Installation >40', Add	*1.20*	
26 05 33 13-0519	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	4.97	1.82
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
26 05 33 13-0520	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	6.95	2.56
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0521	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.85	2.92
		For Work In Restricted Working Space, Add	*1.75*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.17*	
		For Elevated Installation >20' To 25', Add	*1.46*	
		For Elevated Installation >25' To 30', Add	*2.04*	
		For Elevated Installation >30' To 35', Add	*2.34*	
		For Elevated Installation >35' To 40', Add	*2.92*	
		For Elevated Installation >40', Add	*3.21*	
26 05 33 13-0522	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.19	3.29
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0523	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.64	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0524	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	17.14	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0525	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	22.46	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
26 05 33 13-0526	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	26.83	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	

26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0059)*

26 05 33 13-0528	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	6.30	2.19
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
26 05 33 13-0529	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	7.93	2.92
		For Work In Restricted Working Space, Add	*1.75*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.17*	
		For Elevated Installation >20' To 25', Add	*1.46*	
		For Elevated Installation >25' To 30', Add	*2.04*	
		For Elevated Installation >30' To 35', Add	*2.34*	
		For Elevated Installation >35' To 40', Add	*2.92*	
		For Elevated Installation >40', Add	*3.21*	
26 05 33 13-0530	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.11	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0531	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	14.82	5.84
		For Work In Restricted Working Space, Add	*3.50*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.67*	
		For Elevated Installation >35' To 40', Add	*5.84*	
		For Elevated Installation >40', Add	*6.42*	
26 05 33 13-0532	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	16.69	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0533	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	18.95	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0534	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	25.94	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.50*	
		For Elevated Installation >20' To 25', Add	*4.38*	
		For Elevated Installation >25' To 30', Add	*6.13*	
		For Elevated Installation >30' To 35', Add	*7.01*	
		For Elevated Installation >35' To 40', Add	*8.76*	
		For Elevated Installation >40', Add	*9.64*	
26 05 33 13-0535	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	31.54	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0536	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	39.16	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0537	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	47.76	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	

26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0059)*

26 05 33 13-0539	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	15.72	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0540	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	18.76	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0541	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	24.75	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0542	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	34.13	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0543	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	46.13	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0544	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	68.99	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0545	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	118.75	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0546	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	150.47	25.55
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
26 05 33 13-0547	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	191.91	31.02
		For Work In Restricted Working Space, Add	*18.62*	
		For Elevated Installation >10' To 15', Add	*6.21*	
		For Elevated Installation >15' To 20', Add	*12.41*	
		For Elevated Installation >20' To 25', Add	*15.51*	
		For Elevated Installation >25' To 30', Add	*21.72*	
		For Elevated Installation >30' To 35', Add	*24.82*	
		For Elevated Installation >35' To 40', Add	*31.03*	
		For Elevated Installation >40', Add	*34.13*	
26 05 33 13-0548	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	231.97	36.50
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	

26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0059)*

26 05 33 13-0550	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	22.42	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0551	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	28.58	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0552	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	40.86	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0553	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	53.76	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0554	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	66.27	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0555	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	100.24	25.55
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
26 05 33 13-0556	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	161.91	29.20
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
26 05 33 13-0557	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	187.49	25.18
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
26 05 33 13-0558	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	257.16	38.32
		For Work In Restricted Working Space, Add	*22.99*	
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.33*	
		For Elevated Installation >20' To 25', Add	*19.16*	
		For Elevated Installation >25' To 30', Add	*26.82*	
		For Elevated Installation >30' To 35', Add	*30.66*	
		For Elevated Installation >35' To 40', Add	*38.32*	
		For Elevated Installation >40', Add	*42.15*	
26 05 33 13-0559	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	318.58	43.80
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	

26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0059)*

26 05 33 13-0561	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	3.81	1.82
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
26 05 33 13-0562	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	4.59	2.19
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0563	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	5.45	2.56
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0564	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	7.02	3.29
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	
26 05 33 13-0565	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	7.92	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0566	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	9.63	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	

26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0059)*

26 05 33 13-0568	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	4.63	1.82
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
26 05 33 13-0569	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	5.51	2.19
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
26 05 33 13-0570	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	6.68	2.56
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0571	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.59	3.29
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	
26 05 33 13-0572	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	10.52	3.65
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0573	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	12.72	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0574	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	15.61	5.47
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0575	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	18.23	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
26 05 33 13-0576	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	22.07	6.94
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
26 05 33 13-0577	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	25.85	7.66
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15', Add	*1.53*	
		For Elevated Installation >15' To 20', Add	*3.07*	
		For Elevated Installation >20' To 25', Add	*3.83*	
		For Elevated Installation >25' To 30', Add	*5.37*	
		For Elevated Installation >30' To 35', Add	*6.13*	
		For Elevated Installation >35' To 40', Add	*7.67*	
		For Elevated Installation >40', Add	*8.43*	

26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0059)*

26 05 33 13-0579	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	9.01	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-0580	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	10.64	5.11
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.11*	
		For Elevated Installation >40', Add	*5.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	13.32	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	
26 05 33 13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	16.18	7.30
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	20.29	9.12
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0584	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	25.20	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0585	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	31.83	12.77
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.94*	
		For Elevated Installation >30' To 35', Add	*10.22*	
		For Elevated Installation >35' To 40', Add	*12.78*	
		For Elevated Installation >40', Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0586	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	35.64	14.60
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.76*	
26 05 33 13-0587	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	44.24	16.42
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 33 13-0588	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	60.37	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

26 05 33 13-0589 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0059)*

26 05 33 13-0590	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	17.47	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0591	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	20.30	7.66
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15', Add	*1.53*	
		For Elevated Installation >15' To 20', Add	*3.07*	
		For Elevated Installation >20' To 25', Add	*3.83*	
		For Elevated Installation >25' To 30', Add	*5.37*	
		For Elevated Installation >30' To 35', Add	*6.13*	
		For Elevated Installation >35' To 40', Add	*7.67*	
		For Elevated Installation >40', Add	*8.43*	
26 05 33 13-0592	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	25.77	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.50*	
		For Elevated Installation >20' To 25', Add	*4.38*	
		For Elevated Installation >25' To 30', Add	*6.13*	
		For Elevated Installation >30' To 35', Add	*7.01*	
		For Elevated Installation >35' To 40', Add	*8.76*	
		For Elevated Installation >40', Add	*9.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	33.01	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	43.92	13.14
		For Work In Restricted Working Space, Add	*7.88*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.57*	
		For Elevated Installation >25' To 30', Add	*9.20*	
		For Elevated Installation >30' To 35', Add	*10.51*	
		For Elevated Installation >35' To 40', Add	*13.14*	
		For Elevated Installation >40', Add	*14.45*	
26 05 33 13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	58.57	15.33
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.13*	
		For Elevated Installation >20' To 25', Add	*7.66*	
		For Elevated Installation >25' To 30', Add	*10.73*	
		For Elevated Installation >30' To 35', Add	*12.26*	
		For Elevated Installation >35' To 40', Add	*15.33*	
		For Elevated Installation >40', Add	*16.86*	
26 05 33 13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	81.12	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	
26 05 33 13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	141.44	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	

26 05 33 13-0598 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0598)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-0600	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	3.75	1.31
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.29*	
		For Installation In Metal Stud Wall, Add	*0.33*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.49*	
		For Work In Restricted Working Space, Add	*0.99*	
		For Elevated Installation >10' To 15', Add	*0.33*	
		For Elevated Installation >15' To 20', Add	*0.66*	
		For Elevated Installation >20' To 25', Add	*0.82*	
		For Elevated Installation >25' To 30', Add	*1.15*	
		For Elevated Installation >30' To 35', Add	*1.32*	
		For Elevated Installation >35' To 40', Add	*1.65*	
		For Elevated Installation >40', Add	*1.81*	
		For Factory Applied Color Coating, Add	*0.14*	
26 05 33 13-0601	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	4.37	1.46
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000, Deduct	*-0.35*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.91*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
		For Factory Applied Color Coating, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0602	LF	1" Electrical Metallic Tubing (EMT) Conduit	5.22	1.60
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.42*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.00*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.60*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Elevated Installation >10' To 15', Add	*0.40*	
		For Elevated Installation >15' To 20', Add	*0.80*	
		For Elevated Installation >20' To 25', Add	*1.00*	
		For Elevated Installation >25' To 30', Add	*1.40*	
		For Elevated Installation >30' To 35', Add	*1.60*	
		For Elevated Installation >35' To 40', Add	*2.01*	
		For Elevated Installation >40', Add	*2.21*	
		For Factory Applied Color Coating, Add	*0.36*	
26 05 33 13-0603	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	6.42	1.81
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.36*	
		For Elevated Installation >10' To 15', Add	*0.45*	
		For Elevated Installation >15' To 20', Add	*0.90*	
		For Elevated Installation >20' To 25', Add	*1.13*	
		For Elevated Installation >25' To 30', Add	*1.58*	
		For Elevated Installation >30' To 35', Add	*1.81*	
		For Elevated Installation >35' To 40', Add	*2.26*	
		For Elevated Installation >40', Add	*2.49*	
		For Factory Applied Color Coating, Add	*0.57*	
26 05 33 13-0604	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	7.48	2.05
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.62*	
		For Installation In Metal Stud Wall, Add	*0.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
		For Factory Applied Color Coating, Add	*0.71*	
26 05 33 13-0605	LF	2" Electrical Metallic Tubing (EMT) Conduit	8.65	2.34
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.75*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.17*	
		For Elevated Installation >20' To 25', Add	*1.46*	
		For Elevated Installation >25' To 30', Add	*2.04*	
		For Elevated Installation >30' To 35', Add	*2.34*	
		For Elevated Installation >35' To 40', Add	*2.92*	
		For Elevated Installation >40', Add	*3.21*	
		For Factory Applied Color Coating, Add	*0.84*	
26 05 33 13-0606	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	11.10	2.78
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.94*	
		For Installation In Metal Stud Wall, Add	*0.69*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.74*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.04*	
		For Work In Restricted Working Space, Add	*2.08*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.39*	
		For Elevated Installation >20' To 25', Add	*1.74*	
		For Elevated Installation >25' To 30', Add	*2.43*	
		For Elevated Installation >30' To 35', Add	*2.78*	
		For Elevated Installation >35' To 40', Add	*3.47*	
		For Elevated Installation >40', Add	*3.82*	
		For Factory Applied Color Coating, Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0607	LF	3" Electrical Metallic Tubing (EMT) Conduit	13.24	3.21
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.12*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.01*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.20*	
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.21*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	
		For Factory Applied Color Coating, Add	*1.56*	
26 05 33 13-0608	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	16.45	3.80
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.41*	
		For Installation In Metal Stud Wall, Add	*0.95*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.37*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.42*	
		For Work In Restricted Working Space, Add	*2.85*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.90*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.80*	
		For Elevated Installation >35' To 40', Add	*4.75*	
		For Elevated Installation >40', Add	*5.22*	
		For Factory Applied Color Coating, Add	*2.09*	
26 05 33 13-0609	LF	4" Electrical Metallic Tubing (EMT) Conduit	21.30	5.67
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.78*	
		For Installation In Metal Stud Wall, Add	*1.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.54*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.13*	
		For Work In Restricted Working Space, Add	*4.25*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.83*	
		For Elevated Installation >20' To 25', Add	*3.54*	
		For Elevated Installation >25' To 30', Add	*4.96*	
		For Elevated Installation >30' To 35', Add	*5.67*	
		For Elevated Installation >35' To 40', Add	*7.09*	
		For Elevated Installation >40', Add	*7.79*	
		For Factory Applied Color Coating, Add	*2.14*	

26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0598)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0611	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	9.40	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.21*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	
26 05 33 13-0612	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	9.98	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0613	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	12.14	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.11*	
		For Elevated Installation >40', Add	*5.62*	
26 05 33 13-0614	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	13.34	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.82	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0616	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	20.74	6.72
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0617	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	27.74	7.59
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.64*	
		For Elevated Installation >30' To 35', Add	*7.59*	
		For Elevated Installation >35' To 40', Add	*9.49*	
		For Elevated Installation >40', Add	*10.44*	
26 05 33 13-0618	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	35.31	8.46
		For Work In Restricted Working Space, Add	*6.35*	
		For Elevated Installation >10' To 15', Add	*2.12*	
		For Elevated Installation >15' To 20', Add	*4.23*	
		For Elevated Installation >20' To 25', Add	*5.29*	
		For Elevated Installation >25' To 30', Add	*7.41*	
		For Elevated Installation >30' To 35', Add	*8.47*	
		For Elevated Installation >35' To 40', Add	*10.59*	
		For Elevated Installation >40', Add	*11.64*	
26 05 33 13-0619	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	40.09	9.34
		For Work In Restricted Working Space, Add	*7.01*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.67*	
		For Elevated Installation >20' To 25', Add	*5.84*	
		For Elevated Installation >25' To 30', Add	*8.18*	
		For Elevated Installation >30' To 35', Add	*9.34*	
		For Elevated Installation >35' To 40', Add	*11.68*	
		For Elevated Installation >40', Add	*12.85*	
26 05 33 13-0620	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	84.72	24.80
		For Work In Restricted Working Space, Add	*18.60*	
		For Elevated Installation >10' To 15', Add	*6.20*	
		For Elevated Installation >15' To 20', Add	*12.40*	
		For Elevated Installation >20' To 25', Add	*15.50*	
		For Elevated Installation >25' To 30', Add	*21.70*	
		For Elevated Installation >30' To 35', Add	*24.80*	
		For Elevated Installation >35' To 40', Add	*31.00*	
		For Elevated Installation >40', Add	*34.09*	

26 05 33 13-0621 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0598)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0622	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	9.26	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.21*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	
26 05 33 13-0623	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	10.07	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0624	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	12.33	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.11*	
		For Elevated Installation >40', Add	*5.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	13.70	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0626	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	16.28	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0627	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	20.59	6.72
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0628	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	29.08	7.59
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.64*	
		For Elevated Installation >30' To 35', Add	*7.59*	
		For Elevated Installation >35' To 40', Add	*9.49*	
		For Elevated Installation >40', Add	*10.44*	
26 05 33 13-0629	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	36.37	8.46
		For Work In Restricted Working Space, Add	*6.35*	
		For Elevated Installation >10' To 15', Add	*2.12*	
		For Elevated Installation >15' To 20', Add	*4.23*	
		For Elevated Installation >20' To 25', Add	*5.29*	
		For Elevated Installation >25' To 30', Add	*7.41*	
		For Elevated Installation >30' To 35', Add	*8.47*	
		For Elevated Installation >35' To 40', Add	*10.59*	
		For Elevated Installation >40', Add	*11.64*	
26 05 33 13-0630	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	42.98	9.34
		For Work In Restricted Working Space, Add	*7.01*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.67*	
		For Elevated Installation >20' To 25', Add	*5.84*	
		For Elevated Installation >25' To 30', Add	*8.18*	
		For Elevated Installation >30' To 35', Add	*9.34*	
		For Elevated Installation >35' To 40', Add	*11.68*	
		For Elevated Installation >40', Add	*12.85*	
26 05 33 13-0631	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	82.70	24.80
		For Work In Restricted Working Space, Add	*18.60*	
		For Elevated Installation >10' To 15', Add	*6.20*	
		For Elevated Installation >15' To 20', Add	*12.40*	
		For Elevated Installation >20' To 25', Add	*15.50*	
		For Elevated Installation >25' To 30', Add	*21.70*	
		For Elevated Installation >30' To 35', Add	*24.80*	
		For Elevated Installation >35' To 40', Add	*31.00*	
		For Elevated Installation >40', Add	*34.09*	

26 05 33 13-0632 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0598)*

26 05 33 13-0633	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	3.81	1.75
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
26 05 33 13-0634	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	4.61	1.75
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.45	2.05
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.55*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0636	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.34	2.63
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	
26 05 33 13-0637	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.05	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.81*	
		For Elevated Installation >30' To 35', Add	*3.21*	
		For Elevated Installation >35' To 40', Add	*4.02*	
		For Elevated Installation >40', Add	*4.42*	
26 05 33 13-0638	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	12.31	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0639	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	16.98	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0640	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	21.95	6.72
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0641	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	24.83	7.30
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0642	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	71.73	20.54
		For Work In Restricted Working Space, Add	*19.95*	
		For Elevated Installation >10' To 15', Add	*6.65*	
		For Elevated Installation >15' To 20', Add	*13.30*	
		For Elevated Installation >20' To 25', Add	*16.63*	
		For Elevated Installation >25' To 30', Add	*23.28*	
		For Elevated Installation >30' To 35', Add	*26.60*	
		For Elevated Installation >35' To 40', Add	*33.26*	
		For Elevated Installation >40', Add	*36.58*	

26 05 33 13-0643 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0598)*

26 05 33 13-0644	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	4.77	1.75
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645		EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	5.54	2.05
			For Work In Restricted Working Space, Add	*1.53*	
			For Elevated Installation >10' To 15', Add	*0.51*	
			For Elevated Installation >15' To 20', Add	*1.02*	
			For Elevated Installation >20' To 25', Add	*1.28*	
			For Elevated Installation >25' To 30', Add	*1.79*	
			For Elevated Installation >30' To 35', Add	*2.04*	
			For Elevated Installation >35' To 40', Add	*2.56*	
			For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0646		EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	7.90	2.92
			For Work In Restricted Working Space, Add	*2.19*	
			For Elevated Installation >10' To 15', Add	*0.73*	
			For Elevated Installation >15' To 20', Add	*1.46*	
			For Elevated Installation >20' To 25', Add	*1.83*	
			For Elevated Installation >25' To 30', Add	*2.56*	
			For Elevated Installation >30' To 35', Add	*2.92*	
			For Elevated Installation >35' To 40', Add	*3.65*	
			For Elevated Installation >40', Add	*4.02*	
26 05 33 13-0647		EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	10.01	3.50
			For Work In Restricted Working Space, Add	*2.63*	
			For Elevated Installation >10' To 15', Add	*0.88*	
			For Elevated Installation >15' To 20', Add	*1.75*	
			For Elevated Installation >20' To 25', Add	*2.19*	
			For Elevated Installation >25' To 30', Add	*3.07*	
			For Elevated Installation >30' To 35', Add	*3.50*	
			For Elevated Installation >35' To 40', Add	*4.38*	
			For Elevated Installation >40', Add	*4.82*	
26 05 33 13-0648		EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	11.98	4.09
			For Work In Restricted Working Space, Add	*3.07*	
			For Elevated Installation >10' To 15', Add	*1.02*	
			For Elevated Installation >15' To 20', Add	*2.04*	
			For Elevated Installation >20' To 25', Add	*2.56*	
			For Elevated Installation >25' To 30', Add	*3.58*	
			For Elevated Installation >30' To 35', Add	*4.09*	
			For Elevated Installation >35' To 40', Add	*5.11*	
			For Elevated Installation >40', Add	*5.62*	
26 05 33 13-0649		EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	15.91	5.25
			For Work In Restricted Working Space, Add	*3.94*	
			For Elevated Installation >10' To 15', Add	*1.31*	
			For Elevated Installation >15' To 20', Add	*2.63*	
			For Elevated Installation >20' To 25', Add	*3.29*	
			For Elevated Installation >25' To 30', Add	*4.60*	
			For Elevated Installation >30' To 35', Add	*5.26*	
			For Elevated Installation >35' To 40', Add	*6.57*	
			For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0650		EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	24.75	7.01
			For Work In Restricted Working Space, Add	*5.26*	
			For Elevated Installation >10' To 15', Add	*1.75*	
			For Elevated Installation >15' To 20', Add	*3.50*	
			For Elevated Installation >20' To 25', Add	*4.38*	
			For Elevated Installation >25' To 30', Add	*6.13*	
			For Elevated Installation >30' To 35', Add	*7.01*	
			For Elevated Installation >35' To 40', Add	*8.76*	
			For Elevated Installation >40', Add	*9.64*	
26 05 33 13-0651		EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	28.64	8.17
			For Work In Restricted Working Space, Add	*6.13*	
			For Elevated Installation >10' To 15', Add	*2.04*	
			For Elevated Installation >15' To 20', Add	*4.09*	
			For Elevated Installation >20' To 25', Add	*5.11*	
			For Elevated Installation >25' To 30', Add	*7.15*	
			For Elevated Installation >30' To 35', Add	*8.17*	
			For Elevated Installation >35' To 40', Add	*10.22*	
			For Elevated Installation >40', Add	*11.24*	
26 05 33 13-0652		EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	35.83	10.22
			For Work In Restricted Working Space, Add	*7.67*	
			For Elevated Installation >10' To 15', Add	*2.56*	
			For Elevated Installation >15' To 20', Add	*5.11*	
			For Elevated Installation >20' To 25', Add	*6.39*	
			For Elevated Installation >25' To 30', Add	*8.94*	
			For Elevated Installation >30' To 35', Add	*10.22*	
			For Elevated Installation >35' To 40', Add	*12.78*	
			For Elevated Installation >40', Add	*14.05*	
26 05 33 13-0653		EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	45.95	13.14
			For Work In Restricted Working Space, Add	*9.86*	
			For Elevated Installation >10' To 15', Add	*3.29*	
			For Elevated Installation >15' To 20', Add	*6.57*	
			For Elevated Installation >20' To 25', Add	*8.21*	
			For Elevated Installation >25' To 30', Add	*11.50*	
			For Elevated Installation >30' To 35', Add	*13.14*	
			For Elevated Installation >35' To 40', Add	*16.43*	
			For Elevated Installation >40', Add	*18.07*	

26 05 33 13-0654 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0598)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0655	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	3.78	1.46
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.10*	
26 05 33 13-0656	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	4.58	1.75
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.31*	
26 05 33 13-0657	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.46	2.05
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-0658	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.95	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-0659	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	9.71	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-0660	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.35	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0661	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	18.50	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0662	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	23.02	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0663	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	27.26	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0664	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	31.76	10.22
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.94*	
		For Elevated Installation >30' To 35', Add	*10.22*	
		For Elevated Installation >35' To 40', Add	*12.78*	
		For Elevated Installation >40', Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	

26 05 33 13-0665 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0598)*

26 05 33 13-0666	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	5.10	1.98
		For Work In Restricted Working Space, Add	*1.47*	
		For Elevated Installation >10' To 15', Add	*0.49*	
		For Elevated Installation >15' To 20', Add	*0.98*	
		For Elevated Installation >20' To 25', Add	*1.22*	
		For Elevated Installation >25' To 30', Add	*1.71*	
		For Elevated Installation >30' To 35', Add	*1.96*	
		For Elevated Installation >35' To 40', Add	*2.45*	
		For Elevated Installation >40', Add	*2.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.47*	
26 05 33 13-0667	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	5.65	2.12
		For Work In Restricted Working Space, Add	*1.60*	
		For Elevated Installation >10' To 15', Add	*0.53*	
		For Elevated Installation >15' To 20', Add	*1.06*	
		For Elevated Installation >20' To 25', Add	*1.33*	
		For Elevated Installation >25' To 30', Add	*1.86*	
		For Elevated Installation >30' To 35', Add	*2.13*	
		For Elevated Installation >35' To 40', Add	*2.66*	
		For Elevated Installation >40', Add	*2.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.60*	
26 05 33 13-0668	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.09	2.63
		For Work In Restricted Working Space, Add	*1.95*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30' To 35', Add	*2.60*	
		For Elevated Installation >35' To 40', Add	*3.25*	
		For Elevated Installation >40', Add	*3.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.95*	
26 05 33 13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.31	3.36
		For Work In Restricted Working Space, Add	*2.50*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.91*	
		For Elevated Installation >30' To 35', Add	*3.33*	
		For Elevated Installation >35' To 40', Add	*4.16*	
		For Elevated Installation >40', Add	*4.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.50*	
26 05 33 13-0670	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.02	3.87
		For Work In Restricted Working Space, Add	*2.91*	
		For Elevated Installation >10' To 15', Add	*0.97*	
		For Elevated Installation >15' To 20', Add	*1.94*	
		For Elevated Installation >20' To 25', Add	*2.43*	
		For Elevated Installation >25' To 30', Add	*3.40*	
		For Elevated Installation >30' To 35', Add	*3.88*	
		For Elevated Installation >35' To 40', Add	*4.86*	
		For Elevated Installation >40', Add	*5.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.91*	
26 05 33 13-0671	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	13.49	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.67*	
		For Elevated Installation >35' To 40', Add	*5.84*	
		For Elevated Installation >40', Add	*6.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0672	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	22.11	6.50
		For Work In Restricted Working Space, Add	*4.86*	
		For Elevated Installation >10' To 15', Add	*1.62*	
		For Elevated Installation >15' To 20', Add	*3.24*	
		For Elevated Installation >20' To 25', Add	*4.05*	
		For Elevated Installation >25' To 30', Add	*5.67*	
		For Elevated Installation >30' To 35', Add	*6.48*	
		For Elevated Installation >35' To 40', Add	*8.10*	
		For Elevated Installation >40', Add	*8.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0673	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	28.68	8.61
		For Work In Restricted Working Space, Add	*6.48*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.32*	
		For Elevated Installation >20' To 25', Add	*5.40*	
		For Elevated Installation >25' To 30', Add	*7.56*	
		For Elevated Installation >30' To 35', Add	*8.64*	
		For Elevated Installation >35' To 40', Add	*10.81*	
		For Elevated Installation >40', Add	*11.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 05 33 13-0674	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	36.65	11.10
		For Work In Restricted Working Space, Add	*8.34*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.56*	
		For Elevated Installation >20' To 25', Add	*6.95*	
		For Elevated Installation >25' To 30', Add	*9.73*	
		For Elevated Installation >30' To 35', Add	*11.12*	
		For Elevated Installation >35' To 40', Add	*13.91*	
		For Elevated Installation >40', Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.34*	
26 05 33 13-0675	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	46.23	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

26 05 33 13-0676 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0598)*

26 05 33 13-0677	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	4.58	1.75
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.31*	
26 05 33 13-0678	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	5.42	2.05
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-0679	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.74	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.83*	
		For Elevated Installation >25' To 30', Add	*2.56*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-0680	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.58	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-0681	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	11.38	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.11*	
		For Elevated Installation >40', Add	*5.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0682	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	14.82	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0683	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	22.58	7.01
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15', Add	*1.75*	
		For Elevated Installation >15' To 20', Add	*3.50*	
		For Elevated Installation >20' To 25', Add	*4.38*	
		For Elevated Installation >25' To 30', Add	*6.13*	
		For Elevated Installation >30' To 35', Add	*7.01*	
		For Elevated Installation >35' To 40', Add	*8.76*	
		For Elevated Installation >40', Add	*9.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0684	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	28.51	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0685	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	35.74	10.22
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.94*	
		For Elevated Installation >30' To 35', Add	*10.22*	
		For Elevated Installation >35' To 40', Add	*12.78*	
		For Elevated Installation >40', Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0686	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	40.25	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.76*	

26 05 33 13-0687 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0598)*

26 05 33 13-0688	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	5.24	1.98
		For Work In Restricted Working Space, Add	*1.47*	
		For Elevated Installation >10' To 15', Add	*0.49*	
		For Elevated Installation >15' To 20', Add	*0.98*	
		For Elevated Installation >20' To 25', Add	*1.22*	
		For Elevated Installation >25' To 30', Add	*1.71*	
		For Elevated Installation >30' To 35', Add	*1.96*	
		For Elevated Installation >35' To 40', Add	*2.45*	
		For Elevated Installation >40', Add	*2.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.47*	
26 05 33 13-0689	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	5.80	2.12
		For Work In Restricted Working Space, Add	*1.60*	
		For Elevated Installation >10' To 15', Add	*0.53*	
		For Elevated Installation >15' To 20', Add	*1.06*	
		For Elevated Installation >20' To 25', Add	*1.33*	
		For Elevated Installation >25' To 30', Add	*1.86*	
		For Elevated Installation >30' To 35', Add	*2.13*	
		For Elevated Installation >35' To 40', Add	*2.66*	
		For Elevated Installation >40', Add	*2.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.60*	
26 05 33 13-0690	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	7.22	2.63
		For Work In Restricted Working Space, Add	*1.95*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30' To 35', Add	*2.60*	
		For Elevated Installation >35' To 40', Add	*3.25*	
		For Elevated Installation >40', Add	*3.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0691	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.66	3.36
		For Work In Restricted Working Space, Add	*2.50*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.91*	
		For Elevated Installation >30' To 35', Add	*3.33*	
		For Elevated Installation >35' To 40', Add	*4.16*	
		For Elevated Installation >40', Add	*4.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.50*	
26 05 33 13-0692	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.60	3.87
		For Work In Restricted Working Space, Add	*2.91*	
		For Elevated Installation >10' To 15', Add	*0.97*	
		For Elevated Installation >15' To 20', Add	*1.94*	
		For Elevated Installation >20' To 25', Add	*2.43*	
		For Elevated Installation >25' To 30', Add	*3.40*	
		For Elevated Installation >30' To 35', Add	*3.88*	
		For Elevated Installation >35' To 40', Add	*4.86*	
		For Elevated Installation >40', Add	*5.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.91*	
26 05 33 13-0693	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	14.32	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.67*	
		For Elevated Installation >35' To 40', Add	*5.84*	
		For Elevated Installation >40', Add	*6.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0694	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	25.16	6.50
		For Work In Restricted Working Space, Add	*4.86*	
		For Elevated Installation >10' To 15', Add	*1.62*	
		For Elevated Installation >15' To 20', Add	*3.24*	
		For Elevated Installation >20' To 25', Add	*4.05*	
		For Elevated Installation >25' To 30', Add	*5.67*	
		For Elevated Installation >30' To 35', Add	*6.48*	
		For Elevated Installation >35' To 40', Add	*8.10*	
		For Elevated Installation >40', Add	*8.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	
26 05 33 13-0695	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	33.80	8.61
		For Work In Restricted Working Space, Add	*6.48*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.32*	
		For Elevated Installation >20' To 25', Add	*5.40*	
		For Elevated Installation >25' To 30', Add	*7.56*	
		For Elevated Installation >30' To 35', Add	*8.64*	
		For Elevated Installation >35' To 40', Add	*10.81*	
		For Elevated Installation >40', Add	*11.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 05 33 13-0696	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	45.63	11.10
		For Work In Restricted Working Space, Add	*8.34*	
		For Elevated Installation >10' To 15', Add	*2.78*	
		For Elevated Installation >15' To 20', Add	*5.56*	
		For Elevated Installation >20' To 25', Add	*6.95*	
		For Elevated Installation >25' To 30', Add	*9.73*	
		For Elevated Installation >30' To 35', Add	*11.12*	
		For Elevated Installation >35' To 40', Add	*13.91*	
		For Elevated Installation >40', Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.34*	
26 05 33 13-0697	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	57.34	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

26 05 33 13-0698 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0598)*

Note: Excludes jumper.

26 05 33 13-0699	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	38.43	9.71
		For Work In Restricted Working Space, Add	*7.29*	
		For Elevated Installation >10' To 15', Add	*2.43*	
		For Elevated Installation >15' To 20', Add	*4.86*	
		For Elevated Installation >20' To 25', Add	*6.07*	
		For Elevated Installation >25' To 30', Add	*8.50*	
		For Elevated Installation >30' To 35', Add	*9.72*	
		For Elevated Installation >35' To 40', Add	*12.15*	
		For Elevated Installation >40', Add	*13.36*	
26 05 33 13-0700	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	46.31	11.75
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Elevated Installation >20' To 25', Add	*7.36*	
		For Elevated Installation >25' To 30', Add	*10.31*	
		For Elevated Installation >30' To 35', Add	*11.78*	
		For Elevated Installation >35' To 40', Add	*14.73*	
		For Elevated Installation >40', Add	*16.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0701	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	56.94	14.74
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0702	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	73.48	18.10
		For Work In Restricted Working Space, Add	*13.58*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.32*	
		For Elevated Installation >25' To 30', Add	*15.85*	
		For Elevated Installation >30' To 35', Add	*18.11*	
		For Elevated Installation >35' To 40', Add	*22.64*	
		For Elevated Installation >40', Add	*24.90*	
26 05 33 13-0703	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	91.11	21.24
		For Work In Restricted Working Space, Add	*15.93*	
		For Elevated Installation >10' To 15', Add	*5.31*	
		For Elevated Installation >15' To 20', Add	*10.62*	
		For Elevated Installation >20' To 25', Add	*13.28*	
		For Elevated Installation >25' To 30', Add	*18.59*	
		For Elevated Installation >30' To 35', Add	*21.24*	
		For Elevated Installation >35' To 40', Add	*26.55*	
		For Elevated Installation >40', Add	*29.21*	
26 05 33 13-0704	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	114.08	25.84
		For Work In Restricted Working Space, Add	*19.40*	
		For Elevated Installation >10' To 15', Add	*6.47*	
		For Elevated Installation >15' To 20', Add	*12.93*	
		For Elevated Installation >20' To 25', Add	*16.17*	
		For Elevated Installation >25' To 30', Add	*22.63*	
		For Elevated Installation >30' To 35', Add	*25.86*	
		For Elevated Installation >35' To 40', Add	*32.33*	
		For Elevated Installation >40', Add	*35.56*	
26 05 33 13-0705	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	215.34	33.21
		For Work In Restricted Working Space, Add	*24.92*	
		For Elevated Installation >10' To 15', Add	*8.31*	
		For Elevated Installation >15' To 20', Add	*16.61*	
		For Elevated Installation >20' To 25', Add	*20.76*	
		For Elevated Installation >25' To 30', Add	*29.07*	
		For Elevated Installation >30' To 35', Add	*33.22*	
		For Elevated Installation >35' To 40', Add	*41.53*	
		For Elevated Installation >40', Add	*45.68*	
26 05 33 13-0706	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	263.11	38.83
		For Work In Restricted Working Space, Add	*29.13*	
		For Elevated Installation >10' To 15', Add	*9.71*	
		For Elevated Installation >15' To 20', Add	*19.42*	
		For Elevated Installation >20' To 25', Add	*24.28*	
		For Elevated Installation >25' To 30', Add	*33.99*	
		For Elevated Installation >30' To 35', Add	*38.84*	
		For Elevated Installation >35' To 40', Add	*48.56*	
		For Elevated Installation >40', Add	*53.41*	
26 05 33 13-0707	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	322.33	42.33
		For Work In Restricted Working Space, Add	*31.76*	
		For Elevated Installation >10' To 15', Add	*10.59*	
		For Elevated Installation >15' To 20', Add	*21.17*	
		For Elevated Installation >20' To 25', Add	*26.47*	
		For Elevated Installation >25' To 30', Add	*37.05*	
		For Elevated Installation >30' To 35', Add	*42.35*	
		For Elevated Installation >35' To 40', Add	*52.94*	
		For Elevated Installation >40', Add	*58.23*	
26 05 33 13-0708	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	349.01	46.71
		For Work In Restricted Working Space, Add	*35.05*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.21*	
		For Elevated Installation >25' To 30', Add	*40.89*	
		For Elevated Installation >30' To 35', Add	*46.73*	
		For Elevated Installation >35' To 40', Add	*58.41*	
		For Elevated Installation >40', Add	*64.25*	

26 05 33 13-0709 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0598)

26 05 33 13-0710	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	7.33	2.63
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.62*	
		For Elevated Installation >25' To 30', Add	*2.27*	
		For Elevated Installation >30' To 35', Add	*2.59*	
		For Elevated Installation >35' To 40', Add	*3.24*	
		For Elevated Installation >40', Add	*3.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	7.79	2.63
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.62*	
		For Elevated Installation >25' To 30', Add	*2.27*	
		For Elevated Installation >30' To 35', Add	*2.59*	
		For Elevated Installation >35' To 40', Add	*3.24*	
		For Elevated Installation >40', Add	*3.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.71	2.85
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15', Add	*0.72*	
		For Elevated Installation >15' To 20', Add	*1.44*	
		For Elevated Installation >20' To 25', Add	*1.80*	
		For Elevated Installation >25' To 30', Add	*2.52*	
		For Elevated Installation >30' To 35', Add	*2.88*	
		For Elevated Installation >35' To 40', Add	*3.60*	
		For Elevated Installation >40', Add	*3.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.13	3.29
		For Work In Restricted Working Space, Add	*2.46*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.05*	
		For Elevated Installation >25' To 30', Add	*2.87*	
		For Elevated Installation >30' To 35', Add	*3.28*	
		For Elevated Installation >35' To 40', Add	*4.10*	
		For Elevated Installation >40', Add	*4.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.46*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.30	3.94
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15', Add	*0.99*	
		For Elevated Installation >15' To 20', Add	*1.98*	
		For Elevated Installation >20' To 25', Add	*2.48*	
		For Elevated Installation >25' To 30', Add	*3.47*	
		For Elevated Installation >30' To 35', Add	*3.96*	
		For Elevated Installation >35' To 40', Add	*4.96*	
		For Elevated Installation >40', Add	*5.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	17.44	4.52
		For Work In Restricted Working Space, Add	*3.40*	
		For Elevated Installation >10' To 15', Add	*1.13*	
		For Elevated Installation >15' To 20', Add	*2.27*	
		For Elevated Installation >20' To 25', Add	*2.83*	
		For Elevated Installation >25' To 30', Add	*3.97*	
		For Elevated Installation >30' To 35', Add	*4.53*	
		For Elevated Installation >35' To 40', Add	*5.67*	
		For Elevated Installation >40', Add	*6.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	22.68	5.70
		For Work In Restricted Working Space, Add	*4.25*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.83*	
		For Elevated Installation >20' To 25', Add	*3.54*	
		For Elevated Installation >25' To 30', Add	*4.96*	
		For Elevated Installation >30' To 35', Add	*5.66*	
		For Elevated Installation >35' To 40', Add	*7.08*	
		For Elevated Installation >40', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.25*	

26 05 33 13-0717 Intermediate Metal Conduit (IMC) *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0718 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0717)*

Note: Includes field bending conduit up to 1".

26 05 33 13-0719	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	4.92	1.46
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000, Deduct	*-0.13*	
		For Installation In Metal Stub Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.91*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0720	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	5.52	1.60
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000, Deduct	*-0.15*	
		For Installation In Metal Stub Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.00*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.60*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Elevated Installation >10' To 15', Add	*0.40*	
		For Elevated Installation >15' To 20', Add	*0.80*	
		For Elevated Installation >20' To 25', Add	*1.00*	
		For Elevated Installation >25' To 30', Add	*1.40*	
		For Elevated Installation >30' To 35', Add	*1.60*	
		For Elevated Installation >35' To 40', Add	*2.01*	
		For Elevated Installation >40', Add	*2.21*	
26 05 33 13-0721	LF	1" Intermediate Metal Conduit (IMC) Conduit	6.71	1.75
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.23*	
		For Installation In Metal Stub Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.10*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.66*	
		For Work In Restricted Working Space, Add	*1.31*	
		For Elevated Installation >10' To 15', Add	*0.44*	
		For Elevated Installation >15' To 20', Add	*0.88*	
		For Elevated Installation >20' To 25', Add	*1.10*	
		For Elevated Installation >25' To 30', Add	*1.53*	
		For Elevated Installation >30' To 35', Add	*1.75*	
		For Elevated Installation >35' To 40', Add	*2.19*	
		For Elevated Installation >40', Add	*2.41*	
26 05 33 13-0722	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	8.06	3.50
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000, Deduct	*-0.30*	
		For Installation In Metal Stub Wall, Add	*0.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.04*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.81*	
26 05 33 13-0723	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	9.33	2.34
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000, Deduct	*-0.35*	
		For Installation In Metal Stub Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.75*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.17*	
		For Elevated Installation >20' To 25', Add	*1.46*	
		For Elevated Installation >25' To 30', Add	*2.04*	
		For Elevated Installation >30' To 35', Add	*2.34*	
		For Elevated Installation >35' To 40', Add	*2.92*	
		For Elevated Installation >40', Add	*3.21*	
26 05 33 13-0724	LF	2" Intermediate Metal Conduit (IMC) Conduit	11.30	2.63
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.47*	
		For Installation In Metal Stub Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.64*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.97*	
		For Elevated Installation >10' To 15', Add	*0.66*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.30*	
		For Elevated Installation >30' To 35', Add	*2.63*	
		For Elevated Installation >35' To 40', Add	*3.29*	
		For Elevated Installation >40', Add	*3.61*	
26 05 33 13-0725	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	19.24	3.50
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.05*	
		For Installation In Metal Stub Wall, Add	*0.88*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.19*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.31*	
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0726	LF	3" Intermediate Metal Conduit (IMC) Conduit	23.85	4.38
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For Installation In Metal Stub Wall, Add	*1.10*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.74*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.64*	
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
26 05 33 13-0727	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	28.08	5.25
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.49*	
		For Installation In Metal Stub Wall, Add	*1.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.29*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.97*	
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
26 05 33 13-0728	LF	4" Intermediate Metal Conduit (IMC) Conduit	32.92	6.13
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.76*	
		For Installation In Metal Stub Wall, Add	*1.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.83*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.30*	
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15', Add	*1.53*	
		For Elevated Installation >15' To 20', Add	*3.07*	
		For Elevated Installation >20' To 25', Add	*3.83*	
		For Elevated Installation >25' To 30', Add	*5.37*	
		For Elevated Installation >30' To 35', Add	*6.13*	
		For Elevated Installation >35' To 40', Add	*7.67*	
		For Elevated Installation >40', Add	*8.43*	

26 05 33 13-0729 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0717)*

See CSI section 26 05 33 13-1638 for conduit field bending.

26 05 33 13-0730	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	38.20	11.02
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.49*	
		For Elevated Installation >20' To 25', Add	*6.87*	
		For Elevated Installation >25' To 30', Add	*9.61*	
		For Elevated Installation >30' To 35', Add	*10.99*	
		For Elevated Installation >35' To 40', Add	*13.74*	
		For Elevated Installation >40', Add	*15.11*	
26 05 33 13-0731	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	46.96	12.77
		For Work In Restricted Working Space, Add	*9.57*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.98*	
		For Elevated Installation >25' To 30', Add	*11.17*	
		For Elevated Installation >30' To 35', Add	*12.76*	
		For Elevated Installation >35' To 40', Add	*15.96*	
		For Elevated Installation >40', Add	*17.55*	
26 05 33 13-0732	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	55.65	14.67
		For Work In Restricted Working Space, Add	*10.99*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.32*	
		For Elevated Installation >20' To 25', Add	*9.16*	
		For Elevated Installation >25' To 30', Add	*12.82*	
		For Elevated Installation >30' To 35', Add	*14.65*	
		For Elevated Installation >35' To 40', Add	*18.31*	
		For Elevated Installation >40', Add	*20.14*	
26 05 33 13-0733	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	67.68	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.15*	
		For Elevated Installation >40', Add	*22.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	96.87	20.14
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.63*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.70*	
26 05 33 13-0735	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	139.80	27.44
		For Work In Restricted Working Space, Add	*20.58*	
		For Elevated Installation >10' To 15', Add	*6.86*	
		For Elevated Installation >15' To 20', Add	*13.72*	
		For Elevated Installation >20' To 25', Add	*17.15*	
		For Elevated Installation >25' To 30', Add	*24.01*	
		For Elevated Installation >30' To 35', Add	*27.44*	
		For Elevated Installation >35' To 40', Add	*34.30*	
		For Elevated Installation >40', Add	*37.73*	
26 05 33 13-0736	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	203.07	30.95
		For Work In Restricted Working Space, Add	*23.21*	
		For Elevated Installation >10' To 15', Add	*7.74*	
		For Elevated Installation >15' To 20', Add	*15.48*	
		For Elevated Installation >20' To 25', Add	*19.35*	
		For Elevated Installation >25' To 30', Add	*27.08*	
		For Elevated Installation >30' To 35', Add	*30.95*	
		For Elevated Installation >35' To 40', Add	*38.69*	
		For Elevated Installation >40', Add	*42.56*	
26 05 33 13-0737	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	246.51	40.29
		For Work In Restricted Working Space, Add	*30.21*	
		For Elevated Installation >10' To 15', Add	*10.07*	
		For Elevated Installation >15' To 20', Add	*20.14*	
		For Elevated Installation >20' To 25', Add	*25.18*	
		For Elevated Installation >25' To 30', Add	*35.25*	
		For Elevated Installation >30' To 35', Add	*40.28*	
		For Elevated Installation >35' To 40', Add	*50.36*	
		For Elevated Installation >40', Add	*55.39*	

26 05 33 13-0738 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0717)*

26 05 33 13-0739	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	9.95	3.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0740	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	11.75	0.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0741	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.20	5.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-0742	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.55	6.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0743	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.77	7.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0744	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	26.79	9.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-0745	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	49.47	14.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0746	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	61.16	19.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.89*	
26 05 33 13-0747	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	79.97	23.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.74*	
26 05 33 13-0748	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	94.39	27.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.58*	

26 05 33 13-0749 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0717)*

Note: 3-Piece coupling.

26 05 33 13-0750	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	32.84	11.68
		For Work In Restricted Working Space, Add	*8.77*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.31*	
		For Elevated Installation >25' To 30', Add	*10.23*	
		For Elevated Installation >30' To 35', Add	*11.69*	
		For Elevated Installation >35' To 40', Add	*14.62*	
		For Elevated Installation >40', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-0751	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	37.27	13.06
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.52*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.31*	
		For Elevated Installation >40', Add	*17.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	45.30	14.53
		For Work In Restricted Working Space, Add	*10.90*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.27*	
		For Elevated Installation >20' To 25', Add	*9.09*	
		For Elevated Installation >25' To 30', Add	*12.72*	
		For Elevated Installation >30' To 35', Add	*14.54*	
		For Elevated Installation >35' To 40', Add	*18.17*	
		For Elevated Installation >40', Add	*19.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.90*	
26 05 33 13-0753	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	56.25	15.91
		For Work In Restricted Working Space, Add	*11.93*	
		For Elevated Installation >10' To 15', Add	*3.98*	
		For Elevated Installation >15' To 20', Add	*7.95*	
		For Elevated Installation >20' To 25', Add	*9.94*	
		For Elevated Installation >25' To 30', Add	*13.92*	
		For Elevated Installation >30' To 35', Add	*15.91*	
		For Elevated Installation >35' To 40', Add	*19.89*	
		For Elevated Installation >40', Add	*21.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.93*	
26 05 33 13-0754	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	64.20	17.38
		For Work In Restricted Working Space, Add	*13.05*	
		For Elevated Installation >10' To 15', Add	*4.35*	
		For Elevated Installation >15' To 20', Add	*8.70*	
		For Elevated Installation >20' To 25', Add	*10.88*	
		For Elevated Installation >25' To 30', Add	*15.23*	
		For Elevated Installation >30' To 35', Add	*17.40*	
		For Elevated Installation >35' To 40', Add	*21.76*	
		For Elevated Installation >40', Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.05*	
26 05 33 13-0755	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	88.49	18.83
		For Work In Restricted Working Space, Add	*14.14*	
		For Elevated Installation >10' To 15', Add	*4.71*	
		For Elevated Installation >15' To 20', Add	*9.42*	
		For Elevated Installation >20' To 25', Add	*11.78*	
		For Elevated Installation >25' To 30', Add	*16.49*	
		For Elevated Installation >30' To 35', Add	*18.85*	
		For Elevated Installation >35' To 40', Add	*23.56*	
		For Elevated Installation >40', Add	*25.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.14*	
26 05 33 13-0756	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	146.90	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-0757	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	207.95	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	
26 05 33 13-0758	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	304.45	35.03
		For Work In Restricted Working Space, Add	*26.29*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.91*	
		For Elevated Installation >25' To 30', Add	*30.67*	
		For Elevated Installation >30' To 35', Add	*35.05*	
		For Elevated Installation >35' To 40', Add	*43.81*	
		For Elevated Installation >40', Add	*48.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.29*	
26 05 33 13-0759	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	351.53	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	

26 05 33 13-0760 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0717)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0761	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	18.53	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
26 05 33 13-0762	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	20.71	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.62*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.03*	
		For Elevated Installation >40', Add	*8.83*	
26 05 33 13-0763	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	23.78	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
26 05 33 13-0764	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	27.00	7.88
		For Work In Restricted Working Space, Add	*5.91*	
		For Elevated Installation >10' To 15', Add	*1.97*	
		For Elevated Installation >15' To 20', Add	*3.94*	
		For Elevated Installation >20' To 25', Add	*4.93*	
		For Elevated Installation >25' To 30', Add	*6.90*	
		For Elevated Installation >30' To 35', Add	*7.88*	
		For Elevated Installation >35' To 40', Add	*9.85*	
		For Elevated Installation >40', Add	*10.84*	
26 05 33 13-0765	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	32.08	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
26 05 33 13-0766	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	39.13	9.64
		For Work In Restricted Working Space, Add	*7.22*	
		For Elevated Installation >10' To 15', Add	*2.41*	
		For Elevated Installation >15' To 20', Add	*4.82*	
		For Elevated Installation >20' To 25', Add	*6.02*	
		For Elevated Installation >25' To 30', Add	*8.43*	
		For Elevated Installation >30' To 35', Add	*9.63*	
		For Elevated Installation >35' To 40', Add	*12.04*	
		For Elevated Installation >40', Add	*13.24*	
26 05 33 13-0767	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	53.32	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0768	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	65.93	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0769	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	79.20	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0770	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	89.49	18.98
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	

26 05 33 13-0771 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0717)*

26 05 33 13-0772	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	16.24	5.84
		For Work In Restricted Working Space, Add	*4.38*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.92*	
		For Elevated Installation >20' To 25', Add	*3.65*	
		For Elevated Installation >25' To 30', Add	*5.11*	
		For Elevated Installation >30' To 35', Add	*5.84*	
		For Elevated Installation >35' To 40', Add	*7.30*	
		For Elevated Installation >40', Add	*8.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0773	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	20.71	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-0774	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	25.53	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.48*	
		For Elevated Installation >25' To 30', Add	*7.67*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0775	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	30.68	10.22
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.94*	
		For Elevated Installation >30' To 35', Add	*10.22*	
		For Elevated Installation >35' To 40', Add	*12.78*	
		For Elevated Installation >40', Add	*14.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0776	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	35.82	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.76*	
26 05 33 13-0777	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	42.40	13.14
		For Work In Restricted Working Space, Add	*9.85*	
		For Elevated Installation >10' To 15', Add	*3.28*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.49*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.42*	
		For Elevated Installation >40', Add	*18.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.85*	
26 05 33 13-0778	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	52.52	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0779	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	61.72	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-0780	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	75.42	18.98
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.24*	
26 05 33 13-0781	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	86.38	20.43
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.77*	
		For Elevated Installation >25' To 30', Add	*17.88*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	

26 05 33 13-0782 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0717)*

26 05 33 13-0783	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	100.00	11.68
		For Work In Restricted Working Space, Add	*8.76*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.84*	
		For Elevated Installation >20' To 25', Add	*7.30*	
		For Elevated Installation >25' To 30', Add	*10.22*	
		For Elevated Installation >30' To 35', Add	*11.68*	
		For Elevated Installation >35' To 40', Add	*14.60*	
		For Elevated Installation >40', Add	*16.06*	
26 05 33 13-0784	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	110.73	13.14
		For Work In Restricted Working Space, Add	*9.86*	
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.57*	
		For Elevated Installation >20' To 25', Add	*8.21*	
		For Elevated Installation >25' To 30', Add	*11.50*	
		For Elevated Installation >30' To 35', Add	*13.14*	
		For Elevated Installation >35' To 40', Add	*16.43*	
		For Elevated Installation >40', Add	*18.07*	
26 05 33 13-0785	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	123.05	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
26 05 33 13-0786	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	148.12	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
26 05 33 13-0787	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	180.75	17.52
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
26 05 33 13-0788	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	236.30	18.98
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0789	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	355.05	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
26 05 33 13-0790	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	427.21	29.20
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
26 05 33 13-0791	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	593.64	35.03
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	
26 05 33 13-0792	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	685.71	37.95
		For Work In Restricted Working Space, Add	*28.46*	
		For Elevated Installation >10' To 15', Add	*9.49*	
		For Elevated Installation >15' To 20', Add	*18.98*	
		For Elevated Installation >20' To 25', Add	*23.72*	
		For Elevated Installation >25' To 30', Add	*33.21*	
		For Elevated Installation >30' To 35', Add	*37.95*	
		For Elevated Installation >35' To 40', Add	*47.44*	
		For Elevated Installation >40', Add	*52.18*	

26 05 33 13-0793 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0717)*

26 05 33 13-0794	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	63.74	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0795	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	75.80	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.90*	
		For Elevated Installation >40', Add	*24.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0796	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	92.22	25.55
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-0797	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	108.34	29.20
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-0798	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	140.88	32.85
		For Work In Restricted Working Space, Add	*19.71*	
		For Elevated Installation >10' To 15', Add	*6.57*	
		For Elevated Installation >15' To 20', Add	*13.14*	
		For Elevated Installation >20' To 25', Add	*16.43*	
		For Elevated Installation >25' To 30', Add	*23.00*	
		For Elevated Installation >30' To 35', Add	*26.28*	
		For Elevated Installation >35' To 40', Add	*32.85*	
		For Elevated Installation >40', Add	*36.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0799	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	170.40	36.50
		For Work In Restricted Working Space, Add	*21.90*	
		For Elevated Installation >10' To 15', Add	*7.30*	
		For Elevated Installation >15' To 20', Add	*14.60*	
		For Elevated Installation >20' To 25', Add	*18.25*	
		For Elevated Installation >25' To 30', Add	*25.55*	
		For Elevated Installation >30' To 35', Add	*29.20*	
		For Elevated Installation >35' To 40', Add	*36.50*	
		For Elevated Installation >40', Add	*40.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	
26 05 33 13-0800	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	238.93	43.80
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.80*	
		For Elevated Installation >40', Add	*48.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.28*	
26 05 33 13-0801	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	287.06	51.10
		For Work In Restricted Working Space, Add	*30.66*	
		For Elevated Installation >10' To 15', Add	*10.22*	
		For Elevated Installation >15' To 20', Add	*20.44*	
		For Elevated Installation >20' To 25', Add	*25.55*	
		For Elevated Installation >25' To 30', Add	*35.77*	
		For Elevated Installation >30' To 35', Add	*40.88*	
		For Elevated Installation >35' To 40', Add	*51.10*	
		For Elevated Installation >40', Add	*56.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.66*	
26 05 33 13-0802	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	649.96	58.40
		For Work In Restricted Working Space, Add	*35.03*	
		For Elevated Installation >10' To 15', Add	*11.68*	
		For Elevated Installation >15' To 20', Add	*23.36*	
		For Elevated Installation >20' To 25', Add	*29.20*	
		For Elevated Installation >25' To 30', Add	*40.87*	
		For Elevated Installation >30' To 35', Add	*46.71*	
		For Elevated Installation >35' To 40', Add	*58.39*	
		For Elevated Installation >40', Add	*64.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.03*	
26 05 33 13-0803	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	748.46	65.70
		For Work In Restricted Working Space, Add	*39.41*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.98*	
		For Elevated Installation >30' To 35', Add	*52.55*	
		For Elevated Installation >35' To 40', Add	*65.69*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.41*	

26 05 33 13-0804 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0717)*

26 05 33 13-0805	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	9.68	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.06*	
		For Elevated Installation >30' To 35', Add	*3.50*	
		For Elevated Installation >35' To 40', Add	*4.38*	
		For Elevated Installation >40', Add	*4.81*	
26 05 33 13-0806	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	13.54	4.96
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.21*	
		For Elevated Installation >40', Add	*6.83*	
26 05 33 13-0807	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	17.72	6.43
		For Work In Restricted Working Space, Add	*4.81*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.21*	
		For Elevated Installation >20' To 25', Add	*4.01*	
		For Elevated Installation >25' To 30', Add	*5.61*	
		For Elevated Installation >30' To 35', Add	*6.42*	
		For Elevated Installation >35' To 40', Add	*8.02*	
		For Elevated Installation >40', Add	*8.82*	
26 05 33 13-0808	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	20.35	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0809	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	24.54	8.76
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.76*	
		For Elevated Installation >35' To 40', Add	*10.95*	
		For Elevated Installation >40', Add	*12.04*	
26 05 33 13-0810	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	28.33	9.93
		For Work In Restricted Working Space, Add	*7.45*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.97*	
		For Elevated Installation >20' To 25', Add	*6.21*	
		For Elevated Installation >25' To 30', Add	*8.69*	
		For Elevated Installation >30' To 35', Add	*9.93*	
		For Elevated Installation >35' To 40', Add	*12.42*	
		For Elevated Installation >40', Add	*13.66*	
26 05 33 13-0811	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	35.47	11.10
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
26 05 33 13-0812	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	41.97	12.55
		For Work In Restricted Working Space, Add	*9.42*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.28*	
		For Elevated Installation >20' To 25', Add	*7.85*	
		For Elevated Installation >25' To 30', Add	*10.99*	
		For Elevated Installation >30' To 35', Add	*12.56*	
		For Elevated Installation >35' To 40', Add	*15.70*	
		For Elevated Installation >40', Add	*17.26*	
26 05 33 13-0813	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	48.45	13.73
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.86*	
		For Elevated Installation >20' To 25', Add	*8.58*	
		For Elevated Installation >25' To 30', Add	*12.01*	
		For Elevated Installation >30' To 35', Add	*13.72*	
		For Elevated Installation >35' To 40', Add	*17.16*	
		For Elevated Installation >40', Add	*18.87*	
26 05 33 13-0814	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	50.74	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.12*	
		For Elevated Installation >25' To 30', Add	*12.77*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.07*	

26 05 33 13-0815 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0717)*

26 05 33 13-0816	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	4.69	1.46
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	
26 05 33 13-0817	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	5.29	1.46
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.73*	
		For Elevated Installation >20' To 25', Add	*0.91*	
		For Elevated Installation >25' To 30', Add	*1.28*	
		For Elevated Installation >30' To 35', Add	*1.46*	
		For Elevated Installation >35' To 40', Add	*1.83*	
		For Elevated Installation >40', Add	*2.01*	

26 05 33 13-0818 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0819 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-0818)*

Note: Includes field bend conduit up to 1".

26 05 33 13-0820	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	4.66	1.46
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-0821	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	5.36	1.60
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.60*	
		For Work In Restricted Working Space, Add	*1.20*	
26 05 33 13-0822	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	6.29	1.75
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.66*	
		For Work In Restricted Working Space, Add	*1.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0823	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.25	1.90
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.71*	
		For Work In Restricted Working Space, Add	*1.42*	
26 05 33 13-0824	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.23	2.05
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.53*	
26 05 33 13-0825	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.00	2.34
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.75*	
26 05 33 13-0826	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.88	2.92
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.10*	
		For Work In Restricted Working Space, Add	*2.19*	
26 05 33 13-0827	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	17.41	3.50
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.31*	
		For Work In Restricted Working Space, Add	*2.63*	
26 05 33 13-0828	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	21.33	4.38
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.64*	
		For Work In Restricted Working Space, Add	*3.29*	
26 05 33 13-0829	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	26.16	5.54
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.08*	
		For Work In Restricted Working Space, Add	*4.16*	
26 05 33 13-0830	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	35.11	7.01
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.63*	
		For Work In Restricted Working Space, Add	*5.26*	
26 05 33 13-0831	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	45.05	8.76
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.57*	

26 05 33 13-0832 Aluminum 90 Degree Elbows *(26 05 33 13-0818)*

26 05 33 13-0833	EA	1" Aluminum 90 Degree Elbow	29.69	7.59
		For Work In Restricted Working Space, Add	*5.69*	
26 05 33 13-0834	EA	1-1/4" Aluminum 90 Degree Elbow	38.55	8.61
		For Work In Restricted Working Space, Add	*6.46*	
26 05 33 13-0835	EA	1-1/2" Aluminum 90 Degree Elbow	47.47	9.93
		For Work In Restricted Working Space, Add	*7.45*	
26 05 33 13-0836	EA	2" Aluminum 90 Degree Elbow	61.81	11.39
		For Work In Restricted Working Space, Add	*8.54*	
26 05 33 13-0837	EA	2-1/2" Aluminum 90 Degree Elbow	90.86	13.87
		For Work In Restricted Working Space, Add	*10.40*	
26 05 33 13-0838	EA	3" Aluminum 90 Degree Elbow	131.68	17.96
		For Work In Restricted Working Space, Add	*13.47*	
26 05 33 13-0839	EA	3-1/2" Aluminum 90 Degree Elbow	185.73	20.14
		For Work In Restricted Working Space, Add	*15.11*	
26 05 33 13-0840	EA	4" Aluminum 90 Degree Elbow	223.65	25.26
		For Work In Restricted Working Space, Add	*18.94*	
26 05 33 13-0841	EA	5" Aluminum 90 Degree Elbow	577.50	41.17
		For Work In Restricted Working Space, Add	*30.87*	
26 05 33 13-0842	EA	6" Aluminum 90 Degree Elbow	811.37	61.90
		For Work In Restricted Working Space, Add	*46.42*	

26 05 33 13-0843 Aluminum Bushing Set With Locknut *(26 05 33 13-0818)*

26 05 33 13-0844	EA	1/2" Aluminum Bushing Set With Locknut	8.11	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-0845	EA	3/4" Aluminum Bushing Set With Locknut	12.77	3.80
		For Work In Restricted Working Space, Add	*2.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-0846	EA	1" Aluminum Bushing Set With Locknut	12.21	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0847	EA	1-1/4" Aluminum Bushing Set With Locknut	13.73	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0848	EA	1-1/2" Aluminum Bushing Set With Locknut	16.81	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0849	EA	2" Aluminum Bushing Set With Locknut	20.59	7.74
		For Work In Restricted Working Space, Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.80*	
26 05 33 13-0850	EA	2-1/2" Aluminum Bushing Set With Locknut	25.53	9.19
		For Work In Restricted Working Space, Add	*6.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.90*	
26 05 33 13-0851	EA	3" Aluminum Bushing Set With Locknut	30.04	10.51
		For Work In Restricted Working Space, Add	*7.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.88*	
26 05 33 13-0852	EA	3-1/2" Aluminum Bushing Set With Locknut	32.47	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0853	EA	4" Aluminum Bushing Set With Locknut	35.45	12.26
		For Work In Restricted Working Space, Add	*9.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0854	EA	5" Aluminum Bushing Set With Locknut	46.89	16.35
		For Work In Restricted Working Space, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 05 33 13-0855	EA	6" Aluminum Bushing Set With Locknut	69.56	24.53
		For Work In Restricted Working Space, Add	*18.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-0856 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0058)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0857 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-0856)*

Note: Includes field bend conduit up to 1".

26 05 33 13-0858	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	3.10	1.17
		For Schedule 60, Add	*0.19*	
		For Schedule 80, Add	*0.35*	
26 05 33 13-0859	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	3.44	1.28
		For Schedule 60, Add	*0.22*	
		For Schedule 80, Add	*0.40*	
26 05 33 13-0860	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	4.09	1.49
		For Schedule 60, Add	*0.27*	
		For Schedule 80, Add	*0.49*	
26 05 33 13-0861	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	4.73	1.71
		For Schedule 60, Add	*0.33*	
		For Schedule 80, Add	*0.59*	
26 05 33 13-0862	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.53	1.99
		For Schedule 60, Add	*0.38*	
		For Schedule 80, Add	*0.69*	
26 05 33 13-0863	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.42	2.28
		For Schedule 60, Add	*0.47*	
		For Schedule 80, Add	*0.82*	
26 05 33 13-0864	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.90	2.70
		For Schedule 60, Add	*0.62*	
		For Schedule 80, Add	*1.07*	
26 05 33 13-0865	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.19	3.14
		For Schedule 60, Add	*0.73*	
		For Schedule 80, Add	*1.26*	
26 05 33 13-0866	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	10.99	3.71
		For Schedule 60, Add	*0.89*	
		For Schedule 80, Add	*1.53*	
26 05 33 13-0867	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.31	4.56
		For Schedule 60, Add	*1.05*	
		For Schedule 80, Add	*1.81*	
26 05 33 13-0868	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	18.84	6.42
		For Schedule 60, Add	*1.50*	
		For Schedule 80, Add	*2.58*	
26 05 33 13-0869	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	25.08	8.55
		For Schedule 60, Add	*1.99*	
		For Schedule 80, Add	*3.43*	

26 05 33 13-0870 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-0856)*

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-0871	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	15.12	5.70
		For Schedule 60, Add	*0.93*	
		For Schedule 80, Add	*1.73*	
26 05 33 13-0872	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	16.73	6.27
		For Schedule 60, Add	*1.04*	
		For Schedule 80, Add	*1.93*	
26 05 33 13-0873	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	19.45	7.13
		For Schedule 60, Add	*1.30*	
		For Schedule 80, Add	*2.35*	
26 05 33 13-0874	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	25.16	9.13
		For Schedule 60, Add	*1.73*	
		For Schedule 80, Add	*3.10*	
26 05 33 13-0875	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	31.71	11.41
		For Schedule 60, Add	*2.22*	
		For Schedule 80, Add	*3.97*	
26 05 33 13-0876	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	40.05	14.25
		For Schedule 60, Add	*2.88*	
		For Schedule 80, Add	*5.11*	
26 05 33 13-0877	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	50.59	17.11
		For Schedule 60, Add	*4.09*	
		For Schedule 80, Add	*7.01*	
26 05 33 13-0878	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	62.69	19.96
		For Schedule 60, Add	*5.69*	
		For Schedule 80, Add	*9.46*	
26 05 33 13-0879	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	78.38	24.24
		For Schedule 60, Add	*7.48*	
		For Schedule 80, Add	*12.28*	
26 05 33 13-0880	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	94.17	28.52
		For Schedule 60, Add	*9.28*	
		For Schedule 80, Add	*15.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0881	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	129.42	35.64
		For Schedule 60, Add	*14.53*	
		For Schedule 80, Add	*23.02*	
26 05 33 13-0882	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	158.32	42.77
		For Schedule 60, Add	*18.19*	
		For Schedule 80, Add	*28.68*	

26 05 33 13-0883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-0856)*

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-0884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	15.12	5.70
		For Schedule 60, Add	*0.93*	
		For Schedule 80, Add	*1.73*	
26 05 33 13-0885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	16.67	6.27
		For Schedule 60, Add	*1.03*	
		For Schedule 80, Add	*1.91*	
26 05 33 13-0886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	19.36	7.13
		For Schedule 60, Add	*1.28*	
		For Schedule 80, Add	*2.32*	
26 05 33 13-0887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	24.91	9.13
		For Schedule 60, Add	*1.67*	
		For Schedule 80, Add	*3.02*	
26 05 33 13-0888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	31.14	11.41
		For Schedule 60, Add	*2.08*	
		For Schedule 80, Add	*3.77*	
26 05 33 13-0889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	39.75	14.25
		For Schedule 60, Add	*2.81*	
		For Schedule 80, Add	*5.00*	
26 05 33 13-0890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	50.02	17.11
		For Schedule 60, Add	*3.95*	
		For Schedule 80, Add	*6.81*	
26 05 33 13-0891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	61.97	19.96
		For Schedule 60, Add	*5.51*	
		For Schedule 80, Add	*9.21*	
26 05 33 13-0892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	76.36	24.24
		For Schedule 60, Add	*6.97*	
		For Schedule 80, Add	*11.58*	
26 05 33 13-0893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	92.43	28.52
		For Schedule 60, Add	*8.85*	
		For Schedule 80, Add	*14.53*	
26 05 33 13-0894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	127.17	35.64
		For Schedule 60, Add	*13.97*	
		For Schedule 80, Add	*22.23*	
26 05 33 13-0895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending.	151.61	42.77
		For Schedule 60, Add	*16.51*	
		For Schedule 80, Add	*26.33*	

26 05 33 13-0896 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-0856)*

26 05 33 13-0897	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	10.38	4.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-0898	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	11.95	4.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-0899	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	13.58	5.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.85*	
26 05 33 13-0900	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	15.28	5.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.28*	
26 05 33 13-0901	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	18.94	7.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-0902	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	22.98	8.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.42*	
26 05 33 13-0903	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	31.47	11.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-0904	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	39.65	14.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.69*	
26 05 33 13-0905	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	51.44	18.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.90*	
26 05 33 13-0906	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	62.35	22.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.11*	
26 05 33 13-0907	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	82.03	28.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 05 33 13-0908	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	102.08	35.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0909		**Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug** *(26 05 33 13-0856)*		
26 05 33 13-0910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	11.83	3.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 33 13-0911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	13.49	4.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-0912	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	15.17	4.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-0913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.99	5.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.85*	
26 05 33 13-0914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	20.05	5.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.28*	
26 05 33 13-0915	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.01	6.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.92*	
26 05 33 13-0916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	26.88	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	
26 05 33 13-0917	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	30.47	8.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.42*	
26 05 33 13-0918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	36.06	9.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 05 33 13-0919	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	39.86	11.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-0920	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	50.03	12.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.63*	
26 05 33 13-0921	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	56.21	14.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.69*	
26 05 33 13-0922		**Polyvinyl Chloride (PVC) Conduit Terminal Adapters** *(26 05 33 13-0856)*		
26 05 33 13-0923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	11.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	13.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0925	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	15.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.88*	
26 05 33 13-0927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	18.80	7.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-0928	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	22.79	8.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.42*	
26 05 33 13-0929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	31.08	11.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-0930	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	39.12	14.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.69*	
26 05 33 13-0931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	50.75	18.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.90*	
26 05 33 13-0932	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	61.65	22.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.11*	
26 05 33 13-0933	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	80.64	28.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 05 33 13-0934	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	100.42	35.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.74*	
26 05 33 13-0935		**Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover** *(26 05 33 13-0856)*		
26 05 33 13-0936	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	32.27	11.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-0937	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	37.39	12.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.63*	
26 05 33 13-0938	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	41.51	14.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.69*	
26 05 33 13-0939	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	51.15	17.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.83*	
26 05 33 13-0940	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	63.28	21.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.04*	
26 05 33 13-0941	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	81.55	25.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.25*	
26 05 33 13-0942	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	136.57	28.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 05 33 13-0943	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	145.98	31.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-0944	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	158.94	35.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.74*	
26 05 33 13-0945	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	177.74	41.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.01*	
26 05 33 13-0946		**Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover** *(26 05 33 13-0856)*		
26 05 33 13-0947	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	41.49	14.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0948	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	46.40	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-0949	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	50.19	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0950	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	62.64	20.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-0951	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	75.68	24.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.62*	
26 05 33 13-0952	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	92.90	29.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	

26 05 33 13-0953 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-0856)*

26 05 33 13-0954	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	67.68	14.25
26 05 33 13-0955	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	75.62	17.11
26 05 33 13-0956	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	84.05	19.96
26 05 33 13-0957	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	91.98	22.81
26 05 33 13-0958	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	99.72	25.66
26 05 33 13-0959	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	109.00	28.52
26 05 33 13-0960	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	132.97	32.80
26 05 33 13-0961	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	158.85	37.07
26 05 33 13-0962	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	185.82	42.77
26 05 33 13-0963	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	220.85	49.91
26 05 33 13-0964	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	290.77	59.88
26 05 33 13-0965	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	382.01	76.99

26 05 33 13-0966 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-0856)*

26 05 33 13-0967	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	8.81	2.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.14*	
26 05 33 13-0968	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	10.42	3.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 33 13-0969	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	12.00	4.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-0970	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	14.32	4.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-0971	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	16.65	5.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.85*	
26 05 33 13-0972	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	19.59	5.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.28*	
26 05 33 13-0973	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	27.73	6.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.92*	
26 05 33 13-0974	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	30.40	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	
26 05 33 13-0975	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	38.68	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.20*	
26 05 33 13-0976	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	46.60	8.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0977	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	54.09	9.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 05 33 13-0978	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	68.24	11.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	

26 05 33 13-0979 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-0856)*

26 05 33 13-0980	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	85.79	25.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.25*	
26 05 33 13-0981	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	86.45	17.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.83*	
26 05 33 13-0982	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	205.19	28.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 05 33 13-0983	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	394.71	41.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.01*	

26 05 33 13-0984 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0058)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-0985 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0984)*

26 05 33 13-0986	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	4.97	1.17
26 05 33 13-0987	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.51	1.28
26 05 33 13-0988	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.18	1.48
26 05 33 13-0989	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.84	1.71
26 05 33 13-0990	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.76	1.99
26 05 33 13-0991	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.55	2.28
26 05 33 13-0992	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.18	2.70
26 05 33 13-0993	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.93	3.14
26 05 33 13-0994	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.87	3.71
26 05 33 13-0995	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.52	4.56
26 05 33 13-0996	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	22.43	6.42
26 05 33 13-0997	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	29.38	8.55

26 05 33 13-0998 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-0984)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0999	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	51.99	5.70
		For 24" Radius, Add	*3.54*	
		For 36" Radius, Add	*5.20*	
		For 48" Radius, Add	*6.86*	
26 05 33 13-1000	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	57.94	6.27
		For 24" Radius, Add	*3.95*	
		For 36" Radius, Add	*5.79*	
		For 48" Radius, Add	*7.63*	
26 05 33 13-1001	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	60.50	7.13
		For 24" Radius, Add	*4.09*	
		For 36" Radius, Add	*6.05*	
		For 48" Radius, Add	*8.01*	
26 05 33 13-1002	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	65.91	9.13
		For 24" Radius, Add	*4.37*	
		For 36" Radius, Add	*6.59*	
		For 48" Radius, Add	*8.81*	
26 05 33 13-1003	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	72.05	11.41
		For 24" Radius, Add	*4.69*	
		For 36" Radius, Add	*7.21*	
		For 48" Radius, Add	*9.72*	
26 05 33 13-1004	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	85.17	14.25
		For 24" Radius, Add	*5.50*	
		For 36" Radius, Add	*8.52*	
		For 48" Radius, Add	*11.54*	
26 05 33 13-1005	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	102.05	17.11
		For 24" Radius, Add	*6.58*	
		For 36" Radius, Add	*10.21*	
		For 48" Radius, Add	*13.83*	
26 05 33 13-1006	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	121.05	19.96
		For 24" Radius, Add	*7.83*	
		For 36" Radius, Add	*12.11*	
		For 48" Radius, Add	*16.38*	
26 05 33 13-1007	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	140.63	24.24
		For 24" Radius, Add	*9.03*	
		For 36" Radius, Add	*14.06*	
		For 48" Radius, Add	*19.09*	
26 05 33 13-1008	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	160.21	28.52
		For 24" Radius, Add	*10.23*	
		For 36" Radius, Add	*16.02*	
		For 48" Radius, Add	*21.81*	
26 05 33 13-1009	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	200.27	35.64
		For 24" Radius, Add	*12.79*	
		For 36" Radius, Add	*20.03*	
		For 48" Radius, Add	*27.26*	
26 05 33 13-1010	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	245.88	42.77
		For 24" Radius, Add	*15.77*	
		For 36" Radius, Add	*24.59*	
		For 48" Radius, Add	*33.41*	

26 05 33 13-1011 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-0984)*

26 05 33 13-1012	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	45.20	5.70
		For 24" Radius, Add	*3.03*	
		For 36" Radius, Add	*4.52*	
		For 48" Radius, Add	*6.01*	
26 05 33 13-1013	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	50.34	6.27
		For 24" Radius, Add	*3.38*	
		For 36" Radius, Add	*5.03*	
		For 48" Radius, Add	*6.68*	
26 05 33 13-1014	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	52.82	7.13
		For 24" Radius, Add	*3.52*	
		For 36" Radius, Add	*5.28*	
		For 48" Radius, Add	*7.05*	
26 05 33 13-1015	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	58.15	9.13
		For 24" Radius, Add	*3.79*	
		For 36" Radius, Add	*5.82*	
		For 48" Radius, Add	*7.84*	
26 05 33 13-1016	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	64.21	11.41
		For 24" Radius, Add	*4.10*	
		For 36" Radius, Add	*6.42*	
		For 48" Radius, Add	*8.74*	
26 05 33 13-1017	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	76.25	14.25
		For 24" Radius, Add	*4.83*	
		For 36" Radius, Add	*7.63*	
		For 48" Radius, Add	*10.42*	
26 05 33 13-1018	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	91.38	17.11
		For 24" Radius, Add	*5.78*	
		For 36" Radius, Add	*9.14*	
		For 48" Radius, Add	*12.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1019	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	108.24	19.96
		For 24" Radius, Add	*6.87*	
		For 36" Radius, Add	*10.82*	
		For 48" Radius, Add	*14.78*	
26 05 33 13-1020	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	126.22	24.24
		For 24" Radius, Add	*7.95*	
		For 36" Radius, Add	*12.62*	
		For 48" Radius, Add	*17.29*	
26 05 33 13-1021	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	144.21	28.52
		For 24" Radius, Add	*9.03*	
		For 36" Radius, Add	*14.42*	
		For 48" Radius, Add	*19.81*	
26 05 33 13-1022	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	180.26	35.64
		For 24" Radius, Add	*11.29*	
		For 36" Radius, Add	*18.03*	
		For 48" Radius, Add	*24.76*	
26 05 33 13-1023	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	220.87	42.77
		For 24" Radius, Add	*13.89*	
		For 36" Radius, Add	*22.09*	
		For 48" Radius, Add	*30.28*	

26 05 33 13-1024 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-0984)*

26 05 33 13-1025	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	41.89	5.13
		For 24" Radius, Add	*2.82*	
		For 36" Radius, Add	*4.19*	
		For 48" Radius, Add	*5.56*	
26 05 33 13-1026	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	46.64	5.65
		For 24" Radius, Add	*3.15*	
		For 36" Radius, Add	*4.66*	
		For 48" Radius, Add	*6.18*	
26 05 33 13-1027	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	48.91	6.42
		For 24" Radius, Add	*3.27*	
		For 36" Radius, Add	*4.89*	
		For 48" Radius, Add	*6.51*	
26 05 33 13-1028	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	53.73	8.21
		For 24" Radius, Add	*3.52*	
		For 36" Radius, Add	*5.37*	
		For 48" Radius, Add	*7.23*	
26 05 33 13-1029	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	59.18	10.27
		For 24" Radius, Add	*3.80*	
		For 36" Radius, Add	*5.92*	
		For 48" Radius, Add	*8.04*	
26 05 33 13-1030	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	70.23	12.83
		For 24" Radius, Add	*4.47*	
		For 36" Radius, Add	*7.02*	
		For 48" Radius, Add	*9.58*	
26 05 33 13-1031	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	84.15	15.40
		For 24" Radius, Add	*5.35*	
		For 36" Radius, Add	*8.42*	
		For 48" Radius, Add	*11.48*	
26 05 33 13-1032	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	99.70	17.96
		For 24" Radius, Add	*6.35*	
		For 36" Radius, Add	*9.97*	
		For 48" Radius, Add	*13.59*	
26 05 33 13-1033	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	116.15	21.82
		For 24" Radius, Add	*7.35*	
		For 36" Radius, Add	*11.62*	
		For 48" Radius, Add	*15.88*	
26 05 33 13-1034	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	132.63	25.66
		For 24" Radius, Add	*8.34*	
		For 36" Radius, Add	*13.26*	
		For 48" Radius, Add	*18.18*	
26 05 33 13-1035	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	165.79	32.09
		For 24" Radius, Add	*10.43*	
		For 36" Radius, Add	*16.58*	
		For 48" Radius, Add	*22.73*	
26 05 33 13-1036	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	203.23	38.50
		For 24" Radius, Add	*12.84*	
		For 36" Radius, Add	*20.32*	
		For 48" Radius, Add	*27.81*	

26 05 33 13-1037 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-0984)*

26 05 33 13-1038	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	40.00	5.13
		For 24" Radius, Add	*2.68*	
		For 36" Radius, Add	*4.00*	
		For 48" Radius, Add	*5.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1039	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	44.53	5.65
		For 24" Radius, Add	*2.99*	
		For 36" Radius, Add	*4.45*	
		For 48" Radius, Add	*5.92*	
26 05 33 13-1040	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	46.77	6.42
		For 24" Radius, Add	*3.11*	
		For 36" Radius, Add	*4.68*	
		For 48" Radius, Add	*6.25*	
26 05 33 13-1041	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	51.57	8.21
		For 24" Radius, Add	*3.35*	
		For 36" Radius, Add	*5.16*	
		For 48" Radius, Add	*6.96*	
26 05 33 13-1042	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	57.00	10.27
		For 24" Radius, Add	*3.63*	
		For 36" Radius, Add	*5.70*	
		For 48" Radius, Add	*7.77*	
26 05 33 13-1043	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	67.75	12.83
		For 24" Radius, Add	*4.28*	
		For 36" Radius, Add	*6.78*	
		For 48" Radius, Add	*9.27*	
26 05 33 13-1044	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	81.18	15.40
		For 24" Radius, Add	*5.13*	
		For 36" Radius, Add	*8.12*	
		For 48" Radius, Add	*11.11*	
26 05 33 13-1045	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	96.14	17.96
		For 24" Radius, Add	*6.09*	
		For 36" Radius, Add	*9.61*	
		For 48" Radius, Add	*13.14*	
26 05 33 13-1046	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	112.15	21.82
		For 24" Radius, Add	*7.05*	
		For 36" Radius, Add	*11.22*	
		For 48" Radius, Add	*15.38*	
26 05 33 13-1047	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	128.18	25.66
		For 24" Radius, Add	*8.01*	
		For 36" Radius, Add	*12.82*	
		For 48" Radius, Add	*17.63*	
26 05 33 13-1048	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	160.23	32.09
		For 24" Radius, Add	*10.01*	
		For 36" Radius, Add	*16.02*	
		For 48" Radius, Add	*22.03*	
26 05 33 13-1049	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	196.29	38.50
		For 24" Radius, Add	*12.32*	
		For 36" Radius, Add	*19.63*	
		For 48" Radius, Add	*26.94*	

26 05 33 13-1050 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-0984)*

26 05 33 13-1051	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	25.60	4.00
26 05 33 13-1052	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	28.82	4.56
26 05 33 13-1053	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	30.42	5.13
26 05 33 13-1054	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	31.99	5.70
26 05 33 13-1055	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	35.92	7.13
26 05 33 13-1056	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	42.94	8.55
26 05 33 13-1057	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	54.45	11.41
26 05 33 13-1058	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	66.76	14.25
26 05 33 13-1059	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	81.35	18.53
26 05 33 13-1060	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	95.93	22.81
26 05 33 13-1061	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	119.92	28.52
26 05 33 13-1062	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	149.88	35.64

26 05 33 13-1063 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-0984)*

26 05 33 13-1064	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	18.80	4.00
26 05 33 13-1065	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	21.21	4.56
26 05 33 13-1066	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	22.73	5.13
26 05 33 13-1067	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.25	5.70
26 05 33 13-1068	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	27.93	7.13
26 05 33 13-1069	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	31.56	8.55
26 05 33 13-1070	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	40.72	11.41
26 05 33 13-1071	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	50.28	14.25
26 05 33 13-1072	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	62.81	18.53
26 05 33 13-1073	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	75.33	22.81
26 05 33 13-1074	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	94.19	28.52
26 05 33 13-1075	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	117.72	35.64

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1076		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-0984)*		
26 05 33 13-1077	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	20.94	3.28
26 05 33 13-1078	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	23.59	4.56
26 05 33 13-1079	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	25.15	5.13
26 05 33 13-1080	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.64	5.70
26 05 33 13-1081	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	30.49	7.13
26 05 33 13-1082	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.48	8.55
26 05 33 13-1083	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.62	11.41
26 05 33 13-1084	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	57.35	14.25
26 05 33 13-1085	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	70.76	18.53
26 05 33 13-1086	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	84.17	22.81
26 05 33 13-1087	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	105.20	28.52
26 05 33 13-1088	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	131.52	35.64
26 05 33 13-1089		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-0984)*		
26 05 33 13-1090	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	47.72	14.25
26 05 33 13-1091	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	56.17	17.11
26 05 33 13-1092	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	63.46	19.96
26 05 33 13-1093	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	70.66	22.81
26 05 33 13-1094	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	78.11	25.66
26 05 33 13-1095	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	87.89	28.52
26 05 33 13-1096	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	101.90	32.80
26 05 33 13-1097	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	116.58	37.07
26 05 33 13-1098	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	133.83	42.77
26 05 33 13-1099	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	154.64	49.91
26 05 33 13-1100	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	179.93	57.03
26 05 33 13-1101	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	207.09	64.16
26 05 33 13-1102		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-0984)*		
26 05 33 13-1103	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	52.62	14.25
26 05 33 13-1104	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	61.67	17.11
26 05 33 13-1105	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	68.98	19.96
26 05 33 13-1106	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	76.25	22.81
26 05 33 13-1107	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	83.74	25.66
26 05 33 13-1108	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	94.32	28.52
26 05 33 13-1109	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	109.62	32.80
26 05 33 13-1110	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	125.85	37.07
26 05 33 13-1111	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	144.26	42.77
26 05 33 13-1112	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	166.23	49.91
26 05 33 13-1113	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	194.45	57.03
26 05 33 13-1114	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	225.25	64.16
26 05 33 13-1115		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-0984)*		
26 05 33 13-1116	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	50.36	4.00
26 05 33 13-1117	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	56.27	4.56
26 05 33 13-1118	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	59.07	5.13
26 05 33 13-1119	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	61.93	5.70
26 05 33 13-1120	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	66.24	7.13
26 05 33 13-1121	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	74.42	8.55
26 05 33 13-1122	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	92.16	11.41
26 05 33 13-1123	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	111.96	14.25
26 05 33 13-1124	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	132.21	18.53
26 05 33 13-1125	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	152.44	22.81
26 05 33 13-1126	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	190.59	28.52
26 05 33 13-1127	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	237.32	35.64
26 05 33 13-1128		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-0984)*		
26 05 33 13-1129	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	61.15	14.25
26 05 33 13-1130	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	71.12	17.11
26 05 33 13-1131	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	84.93	19.96
26 05 33 13-1132	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	104.25	22.81
26 05 33 13-1133	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	128.89	25.66
26 05 33 13-1134	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	167.23	28.52
26 05 33 13-1135	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	232.94	32.80
26 05 33 13-1136	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	279.87	37.07
26 05 33 13-1137	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	337.15	42.77
26 05 33 13-1138	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	398.00	49.91
26 05 33 13-1139	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	467.14	57.03
26 05 33 13-1140	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	711.41	64.16
26 05 33 13-1141		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover** *(26 05 33 13-0984)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1142	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	51.10	11.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-1143	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	59.02	12.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.63*	
26 05 33 13-1144	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	76.70	14.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.69*	
26 05 33 13-1145	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	93.49	17.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.83*	
26 05 33 13-1146	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	118.68	21.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.04*	
26 05 33 13-1147	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	160.77	25.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.25*	
26 05 33 13-1148	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	256.01	29.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	
26 05 33 13-1149	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	327.09	34.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.67*	
26 05 33 13-1150	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	392.66	39.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.94*	
26 05 33 13-1151	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	458.26	45.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.22*	
26 05 33 13-1152	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	538.93	51.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.50*	
26 05 33 13-1153	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	610.56	57.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.77*	

26 05 33 13-1154 Explosion Proof Conduit Fittings *(26 05 33 13-0058)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1155 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1154)*

26 05 33 13-1156	EA	1/2" Explosion Proof Malleable Iron Conduit Union	31.92	6.08
26 05 33 13-1157	EA	3/4" Explosion Proof Malleable Iron Conduit Union	39.81	6.73
26 05 33 13-1158	EA	1" Explosion Proof Malleable Iron Conduit Union	64.15	8.98
26 05 33 13-1159	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	86.05	9.93
26 05 33 13-1160	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	108.47	12.18
26 05 33 13-1161	EA	2" Explosion Proof Malleable Iron Conduit Union	135.76	14.10
26 05 33 13-1162	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	207.37	20.16
26 05 33 13-1163	EA	3" Explosion Proof Malleable Iron Conduit Union	264.50	24.00
26 05 33 13-1164	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	450.89	28.79
26 05 33 13-1165	EA	4" Explosion Proof Malleable Iron Conduit Union	474.57	36.79

26 05 33 13-1166 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1154)*

26 05 33 13-1167	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	114.40	19.23
26 05 33 13-1168	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	128.89	21.79
26 05 33 13-1169	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	151.82	24.04
26 05 33 13-1170	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	127.68	24.04
26 05 33 13-1171	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	152.00	28.84
26 05 33 13-1172	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	180.55	33.00

26 05 33 13-1173 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1154)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1174	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	94.55	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 05 33 13-1175	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	95.66	17.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.46*	
26 05 33 13-1176	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	104.46	19.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	
26 05 33 13-1177	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	134.91	24.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.02*	
26 05 33 13-1178	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	173.74	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.15*	
26 05 33 13-1179	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	225.85	32.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.03*	
26 05 33 13-1180	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	320.10	47.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 05 33 13-1181	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	404.90	60.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.11*	
26 05 33 13-1182	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	583.29	66.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.67*	
26 05 33 13-1183	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	760.89	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.99*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1184		**Explosion Proof Flexible Conduit Couplings** *(26 05 33 13-1154)*		
26 05 33 13-1185	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	275.22	7.37
26 05 33 13-1186	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	360.91	8.33
26 05 33 13-1187		**Conduit Installed Below Grade** *(26 05 33 13-0057)*		
		Note: By direct burial In trench or in concrete slabs or duct banks. Includes warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1188		**Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial** *(26 05 33 13-1187)*		
26 05 33 13-1189		**Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial** *(26 05 33 13-1188)*		
		Note: Includes field bend conduit up to 1".		
26 05 33 13-1190	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	2.48	
		For Schedule 60, Add	*0.16*	
		For Schedule 80, Add	*0.29*	
26 05 33 13-1191	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	2.72	
		For Schedule 60, Add	*0.18*	
		For Schedule 80, Add	*0.33*	
26 05 33 13-1192	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.01	
		For Schedule 60, Add	*0.22*	
		For Schedule 80, Add	*0.39*	
26 05 33 13-1193	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.30	
		For Schedule 60, Add	*0.26*	
		For Schedule 80, Add	*0.44*	
26 05 33 13-1194	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.57	
		For Schedule 60, Add	*0.29*	
		For Schedule 80, Add	*0.49*	
26 05 33 13-1195	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.93	
		For Schedule 60, Add	*0.34*	
		For Schedule 80, Add	*0.57*	
26 05 33 13-1196	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.52	
		For Schedule 60, Add	*0.45*	
		For Schedule 80, Add	*0.73*	
26 05 33 13-1197	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.92	
		For Schedule 60, Add	*0.52*	
		For Schedule 80, Add	*0.83*	
26 05 33 13-1198	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.47	
		For Schedule 60, Add	*0.62*	
		For Schedule 80, Add	*0.98*	
26 05 33 13-1199	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.82	
		For Schedule 60, Add	*0.67*	
		For Schedule 80, Add	*1.06*	
26 05 33 13-1200	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.90	
		For Schedule 60, Add	*0.91*	
		For Schedule 80, Add	*1.39*	
26 05 33 13-1201	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.97	
		For Schedule 60, Add	*1.14*	
		For Schedule 80, Add	*1.72*	
26 05 33 13-1202		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial** *(26 05 33 13-1188)*		
		See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33 13-1203	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	18.69	
		For Schedule 60, Add	*1.11*	
		For Schedule 80, Add	*2.09*	
26 05 33 13-1204	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.43	
		For Schedule 60, Add	*1.33*	
		For Schedule 80, Add	*2.50*	
26 05 33 13-1205	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.58	
		For Schedule 60, Add	*1.66*	
		For Schedule 80, Add	*3.07*	
26 05 33 13-1206	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.87	
		For Schedule 60, Add	*2.01*	
		For Schedule 80, Add	*3.67*	
26 05 33 13-1207	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	35.28	
		For Schedule 60, Add	*2.40*	
		For Schedule 80, Add	*4.33*	
26 05 33 13-1208	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	40.05	
		For Schedule 60, Add	*2.88*	
		For Schedule 80, Add	*5.11*	
26 05 33 13-1209	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	47.03	
		For Schedule 60, Add	*3.92*	
		For Schedule 80, Add	*6.66*	
26 05 33 13-1210	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	55.55	
		For Schedule 60, Add	*5.33*	
		For Schedule 80, Add	*8.75*	
26 05 33 13-1211	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	67.69	
		For Schedule 60, Add	*6.94*	
		For Schedule 80, Add	*11.21*	
26 05 33 13-1212	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	79.91	
		For Schedule 60, Add	*8.57*	
		For Schedule 80, Add	*13.71*	
26 05 33 13-1213	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	104.46	
		For Schedule 60, Add	*13.28*	
		For Schedule 80, Add	*20.52*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1214	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	122.67	
		For Schedule 60, Add	*16.41*	
		For Schedule 80, Add	*25.11*	

26 05 33 13-1215 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1188)*

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-1216	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	18.69	
		For Schedule 60, Add	*1.11*	
		For Schedule 80, Add	*2.09*	
26 05 33 13-1217	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	22.37	
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*2.48*	
26 05 33 13-1218	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	26.49	
		For Schedule 60, Add	*1.63*	
		For Schedule 80, Add	*3.03*	
26 05 33 13-1219	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	30.62	
		For Schedule 60, Add	*1.95*	
		For Schedule 80, Add	*3.59*	
26 05 33 13-1220	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.71	
		For Schedule 60, Add	*2.26*	
		For Schedule 80, Add	*4.13*	
26 05 33 13-1221	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	39.75	
		For Schedule 60, Add	*2.81*	
		For Schedule 80, Add	*5.00*	
26 05 33 13-1222	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	46.46	
		For Schedule 60, Add	*3.77*	
		For Schedule 80, Add	*6.46*	
26 05 33 13-1223	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	54.83	
		For Schedule 60, Add	*5.15*	
		For Schedule 80, Add	*8.50*	
26 05 33 13-1224	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	65.67	
		For Schedule 60, Add	*6.44*	
		For Schedule 80, Add	*10.51*	
26 05 33 13-1225	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	78.17	
		For Schedule 60, Add	*8.14*	
		For Schedule 80, Add	*13.10*	
26 05 33 13-1226	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	102.21	
		For Schedule 60, Add	*12.72*	
		For Schedule 80, Add	*19.73*	
26 05 33 13-1227	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	115.96	
		For Schedule 60, Add	*14.73*	
		For Schedule 80, Add	*22.76*	

26 05 33 13-1228 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1188)*

26 05 33 13-1229	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	10.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1230	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	11.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-1231	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	13.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.85*	
26 05 33 13-1232	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	15.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.28*	
26 05 33 13-1233	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.71*	
26 05 33 13-1234	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.13*	
26 05 33 13-1235	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.78*	
26 05 33 13-1236	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	25.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.42*	
26 05 33 13-1237	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	30.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 05 33 13-1238	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	33.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 33 13-1239	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	42.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.63*	
26 05 33 13-1240	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	48.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.69*	

26 05 33 13-1241 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1188)*

26 05 33 13-1242	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	11.83
26 05 33 13-1243	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	13.49
26 05 33 13-1244	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	15.17
26 05 33 13-1245	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	19.41
26 05 33 13-1246	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.49
26 05 33 13-1247	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.01
26 05 33 13-1248	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	26.88
26 05 33 13-1249	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	30.47
26 05 33 13-1250	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	36.06
26 05 33 13-1251	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	39.86
26 05 33 13-1252	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	50.03
26 05 33 13-1253	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	56.21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1254		**Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial** *(26 05 33 13-1188)*		
26 05 33 13-1255	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	10.31	
26 05 33 13-1256	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	11.95	
26 05 33 13-1257	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	13.49	
26 05 33 13-1258	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	15.12	
26 05 33 13-1259	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	16.67	
26 05 33 13-1260	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	18.51	
26 05 33 13-1261	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	21.81	
26 05 33 13-1262	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	24.87	
26 05 33 13-1263	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	29.36	
26 05 33 13-1264	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	33.14	
26 05 33 13-1265	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	41.44	
26 05 33 13-1266	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	46.94	
26 05 33 13-1267		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial** *(26 05 33 13-1187)* Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1268		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial** *(26 05 33 13-1267)* Note: Includes field bending for conduit up to 1".		
26 05 33 13-1269	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.60	1.53
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.86*	
26 05 33 13-1270	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	10.86	1.90
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.98*	
26 05 33 13-1271	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.50	2.12
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.22*	
26 05 33 13-1272	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.48	2.85
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.50*	
26 05 33 13-1273	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	19.50	3.21
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.79*	
26 05 33 13-1274	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.89	3.50
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.29*	
26 05 33 13-1275	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	36.51	5.25
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.38*	
26 05 33 13-1276	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	46.83	6.57
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.32*	
26 05 33 13-1277	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	57.67	6.94
		For >250 To 500, Deduct	*-2.43*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000, Deduct	*-5.31*	
26 05 33 13-1278	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	68.38	7.66
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000, Deduct	*-6.29*	
26 05 33 13-1279	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	110.09	10.59
		For >250 To 500, Deduct	*-4.81*	
		For >500 To 1,000, Deduct	*-7.56*	
		For >1,000, Deduct	*-10.32*	
26 05 33 13-1280	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	147.90	13.87
		For >250 To 500, Deduct	*-6.52*	
		For >500 To 1,000, Deduct	*-10.22*	
		For >1,000, Deduct	*-13.91*	
26 05 33 13-1281		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1282	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	10.29	2.19
26 05 33 13-1283	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	12.03	2.92
26 05 33 13-1284	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.33	3.65
26 05 33 13-1285	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.40	4.01
26 05 33 13-1286	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.63	4.74
26 05 33 13-1287	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	27.26	5.47
26 05 33 13-1288	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	53.50	6.57
26 05 33 13-1289	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	67.26	9.12
26 05 33 13-1290	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	84.05	10.59
26 05 33 13-1291	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	102.72	14.60
26 05 33 13-1292	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	279.71	20.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1293	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	290.24	11.31
26 05 33 13-1294		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
		Note: 90, 45, or 30 degree.		
26 05 33 13-1295	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	38.95	9.12
26 05 33 13-1296	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	44.12	11.31
26 05 33 13-1297	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	52.38	13.87
26 05 33 13-1298	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	62.41	16.06
26 05 33 13-1299	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	73.73	18.25
26 05 33 13-1300	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	92.10	20.07
26 05 33 13-1301	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	148.24	25.18
26 05 33 13-1302	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	225.02	34.30
26 05 33 13-1303	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	282.60	38.68
26 05 33 13-1304	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	317.68	50.36
26 05 33 13-1305	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	687.04	82.12
26 05 33 13-1306	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,087.07	123.36
26 05 33 13-1307		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1308	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	101.18	13.87
26 05 33 13-1309	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	113.36	16.06
26 05 33 13-1310	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	129.50	18.25
26 05 33 13-1311	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	156.46	20.07
26 05 33 13-1312	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	221.09	25.18
26 05 33 13-1313		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1314	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	114.37	13.87
26 05 33 13-1315	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	135.17	16.06
26 05 33 13-1316	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	145.14	18.25
26 05 33 13-1317	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	190.56	20.07
26 05 33 13-1318	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	253.96	25.18
26 05 33 13-1319	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	322.52	34.30
26 05 33 13-1320		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1321	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	130.15	13.87
26 05 33 13-1322	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	146.52	16.06
26 05 33 13-1323	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	165.20	18.25
26 05 33 13-1324	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	201.87	20.07
26 05 33 13-1325	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	291.74	25.18
26 05 33 13-1326	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	366.87	34.30
26 05 33 13-1327	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	468.35	38.68
26 05 33 13-1328	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	520.04	50.36
26 05 33 13-1329		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1330	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	157.41	13.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1331	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	173.18	16.06
26 05 33 13-1332	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	195.47	18.25
26 05 33 13-1333	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	245.45	20.07
26 05 33 13-1334	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	359.35	25.18
26 05 33 13-1335	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	442.01	34.30
26 05 33 13-1336	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	514.23	38.68
26 05 33 13-1337	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	604.27	50.36
26 05 33 13-1338		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1339	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	178.62	13.87
26 05 33 13-1340	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	198.00	16.06
26 05 33 13-1341	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	225.26	18.25
26 05 33 13-1342	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	283.39	20.07
26 05 33 13-1343	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	396.24	25.18
26 05 33 13-1344	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	502.12	34.30
26 05 33 13-1345	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	625.78	38.68
26 05 33 13-1346	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	681.59	50.36
26 05 33 13-1347	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,138.43	82.12
26 05 33 13-1348		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1349	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	206.35	13.87
26 05 33 13-1350	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	227.98	16.06
26 05 33 13-1351	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	257.92	18.25
26 05 33 13-1352	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	325.47	20.07
26 05 33 13-1353	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	457.71	25.18
26 05 33 13-1354	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	578.70	34.30
26 05 33 13-1355	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	681.68	38.68
26 05 33 13-1356	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	781.41	50.36
26 05 33 13-1357	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,208.39	82.12
26 05 33 13-1358	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,639.83	123.36
26 05 33 13-1359		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1360	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	244.96	13.87
26 05 33 13-1361	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	254.71	16.06
26 05 33 13-1362	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	301.62	18.25
26 05 33 13-1363	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	384.05	20.07
26 05 33 13-1364	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	540.60	25.18
26 05 33 13-1365	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	681.93	34.30
26 05 33 13-1366	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	837.09	38.68
26 05 33 13-1367	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	975.59	50.36
26 05 33 13-1368	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,436.57	82.12
26 05 33 13-1369	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,744.58	123.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1370		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1371	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	254.26	13.87
26 05 33 13-1372	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	299.92	16.06
26 05 33 13-1373	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	339.42	18.25
26 05 33 13-1374	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	401.67	20.07
26 05 33 13-1375	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	561.31	25.18
26 05 33 13-1376	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	713.69	34.30
26 05 33 13-1377	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	921.72	38.68
26 05 33 13-1378	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,019.63	50.36
26 05 33 13-1379	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,497.87	82.12
26 05 33 13-1380	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,797.80	123.36
26 05 33 13-1381		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1382	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	79.96	9.12
26 05 33 13-1383	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	85.46	11.31
26 05 33 13-1384	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	111.96	13.87
26 05 33 13-1385	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	167.68	16.06
26 05 33 13-1386	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	200.01	18.25
26 05 33 13-1387	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	258.05	20.07
26 05 33 13-1388	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	345.37	25.18
26 05 33 13-1389	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	457.07	25.18
26 05 33 13-1390	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	581.86	38.68
26 05 33 13-1391	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	748.51	50.36
26 05 33 13-1392	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,375.00	82.12
26 05 33 13-1393	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,688.73	123.36
26 05 33 13-1394		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1395	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	82.04	9.12
26 05 33 13-1396	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	93.40	11.31
26 05 33 13-1397	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	116.19	13.87
26 05 33 13-1398	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	175.45	16.06
26 05 33 13-1399	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	210.79	18.25
26 05 33 13-1400	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	281.34	20.07
26 05 33 13-1401	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	395.19	25.18
26 05 33 13-1402	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	507.73	25.18
26 05 33 13-1403	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	673.46	38.68
26 05 33 13-1404	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	839.77	50.36
26 05 33 13-1405	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,542.29	82.12
26 05 33 13-1406	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,958.85	123.36
26 05 33 13-1407		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial** *(26 05 33 13-1267)*		
26 05 33 13-1408	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.26	4.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1409	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.79	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1410	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.69	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1411	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.20	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1412	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.15	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1413	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.24	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1414	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.18	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1415	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.10	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1416	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.76	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1417	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.91	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1418	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.28	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1419	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.41	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1420	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.34	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1421	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.41	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1422	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.09	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1423	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.24	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1424	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.14	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1425	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.68	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1426	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.62	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1427	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.85	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1428	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.47	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1429	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.77	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1430	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.82	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1431	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.65	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1432	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.27	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1433	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.84	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1434	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.93	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1435	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.18	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1436	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.86	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1437	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.30	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1438	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.50	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1439	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.01	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1440	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.36	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1441	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.07	19.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1442	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	138.51	25.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1443	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.16	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1444	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.26	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1445	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.54	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1446	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.51	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1447	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.97	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1448	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.96	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1449	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	86.43	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1450	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.99	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1451	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.69	19.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1452	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.86	25.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1453	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	213.21	34.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-1454	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.75	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1455	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.86	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1456	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.19	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1457	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.70	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1458	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.41	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1459	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.42	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1460	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	96.00	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1461	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.12	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1462	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	131.83	19.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1463	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.26	25.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1464	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	236.24	34.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-1465	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.69	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1466	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.77	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1467	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.62	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1468	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.01	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	

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26 05 33 13-1469	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.32	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1470	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.54	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1471	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.76	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1472	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	131.99	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1473	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	154.68	19.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1474	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.38	25.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1475	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	252.01	34.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-1476	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.67	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1477	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.72	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1478	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.03	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1479	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.31	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1480	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.26	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1481	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	75.01	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1482	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.19	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1483	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	149.75	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1484	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	178.69	19.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1485	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	221.83	25.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1486	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	283.50	34.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-1487	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.67	4.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1488	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.85	5.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1489	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.62	6.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1490	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.39	8.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1491	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.65	9.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1492	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.43	10.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-1493	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	136.78	12.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 33 13-1494	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	176.39	17.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 05 33 13-1495	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	193.42	19.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1496	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	234.24	25.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1497	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	288.00	34.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1498		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-1187)* Note: Direct burial or encased application.		
26 05 33 13-1499		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-1498)*		
26 05 33 13-1500	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.35	0.93
		For Work In Restricted Working Space, Add	*0.69*	
26 05 33 13-1501	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.79	1.00
		For Work In Restricted Working Space, Add	*0.75*	
26 05 33 13-1502	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.10	1.07
		For Work In Restricted Working Space, Add	*0.80*	
26 05 33 13-1503	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.41	1.14
		For Work In Restricted Working Space, Add	*0.86*	
26 05 33 13-1504	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.80	1.21
		For Work In Restricted Working Space, Add	*0.91*	
26 05 33 13-1505	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.06	1.28
		For Work In Restricted Working Space, Add	*0.96*	
26 05 33 13-1506	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.80	1.35
		For Work In Restricted Working Space, Add	*1.02*	
26 05 33 13-1507	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.66	1.42
		For Work In Restricted Working Space, Add	*1.07*	
26 05 33 13-1508	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.35	1.49
		For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-1509	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.03	1.57
		For Work In Restricted Working Space, Add	*1.18*	
26 05 33 13-1510	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.49	1.64
		For Work In Restricted Working Space, Add	*1.23*	
26 05 33 13-1511	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.27	1.71
		For Work In Restricted Working Space, Add	*1.28*	
26 05 33 13-1512		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1498)*		
26 05 33 13-1513	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	55.56	7.13
		For Work In Restricted Working Space, Add	*5.35*	
		For 24" Radius, Add	*3.72*	
		For 36" Radius, Add	*5.56*	
		For 48" Radius, Add	*7.39*	
26 05 33 13-1514	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	63.64	8.55
		For Work In Restricted Working Space, Add	*6.42*	
		For 24" Radius, Add	*4.24*	
		For 36" Radius, Add	*6.36*	
		For 48" Radius, Add	*8.49*	
26 05 33 13-1515	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	67.63	9.98
		For Work In Restricted Working Space, Add	*7.49*	
		For 24" Radius, Add	*4.45*	
		For 36" Radius, Add	*6.76*	
		For 48" Radius, Add	*9.08*	
26 05 33 13-1516	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	71.62	11.41
		For Work In Restricted Working Space, Add	*8.56*	
		For 24" Radius, Add	*4.66*	
		For 36" Radius, Add	*7.16*	
		For 48" Radius, Add	*9.67*	
26 05 33 13-1517	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	75.62	12.83
		For Work In Restricted Working Space, Add	*9.63*	
		For 24" Radius, Add	*4.87*	
		For 36" Radius, Add	*7.56*	
		For 48" Radius, Add	*10.25*	
26 05 33 13-1518	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	85.17	14.25
		For Work In Restricted Working Space, Add	*10.69*	
		For 24" Radius, Add	*5.50*	
		For 36" Radius, Add	*8.52*	
		For 48" Radius, Add	*11.54*	
26 05 33 13-1519	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	98.49	15.69
		For Work In Restricted Working Space, Add	*11.76*	
		For 24" Radius, Add	*6.41*	
		For 36" Radius, Add	*9.85*	
		For 48" Radius, Add	*13.29*	
26 05 33 13-1520	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	113.91	17.11
		For Work In Restricted Working Space, Add	*12.83*	
		For 24" Radius, Add	*7.47*	
		For 36" Radius, Add	*11.39*	
		For 48" Radius, Add	*15.31*	
26 05 33 13-1521	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	129.94	19.96
		For Work In Restricted Working Space, Add	*14.97*	
		For 24" Radius, Add	*8.50*	
		For 36" Radius, Add	*12.99*	
		For 48" Radius, Add	*17.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1522	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	145.95	25.66
		For Work In Restricted Working Space, Add	*17.11*	
		For 24" Radius, Add	*9.52*	
		For 36" Radius, Add	*14.60*	
		For 48" Radius, Add	*19.67*	
26 05 33 13-1523	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	175.31	25.66
		For Work In Restricted Working Space, Add	*19.25*	
		For 24" Radius, Add	*11.54*	
		For 36" Radius, Add	*17.53*	
		For 48" Radius, Add	*23.52*	
26 05 33 13-1524	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	210.23	28.52
		For Work In Restricted Working Space, Add	*21.39*	
		For 24" Radius, Add	*13.99*	
		For 36" Radius, Add	*21.02*	
		For 48" Radius, Add	*28.06*	

26 05 33 13-1525 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1498)*

26 05 33 13-1526	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	25.60	4.00
		For Work In Restricted Working Space, Add	*2.99*	
26 05 33 13-1527	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	28.82	4.56
		For Work In Restricted Working Space, Add	*3.42*	
26 05 33 13-1528	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	30.42	5.13
		For Work In Restricted Working Space, Add	*3.85*	
26 05 33 13-1529	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	31.99	5.70
		For Work In Restricted Working Space, Add	*4.28*	
26 05 33 13-1530	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	33.79	6.27
		For Work In Restricted Working Space, Add	*4.71*	
26 05 33 13-1531	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	38.66	6.84
		For Work In Restricted Working Space, Add	*5.13*	
26 05 33 13-1532	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	45.18	7.70
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1533	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	52.51	8.55
		For Work In Restricted Working Space, Add	*6.42*	
26 05 33 13-1534	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.96	9.98
		For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-1535	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	67.42	11.41
		For Work In Restricted Working Space, Add	*8.56*	
26 05 33 13-1536	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	80.72	12.83
		For Work In Restricted Working Space, Add	*9.63*	
26 05 33 13-1537	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	96.40	14.25
		For Work In Restricted Working Space, Add	*10.69*	

26 05 33 13-1538 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1498)*

26 05 33 13-1539	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	18.80	4.00
		For Work In Restricted Working Space, Add	*2.99*	
26 05 33 13-1540	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	21.21	4.56
		For Work In Restricted Working Space, Add	*3.42*	
26 05 33 13-1541	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	22.73	5.13
		For Work In Restricted Working Space, Add	*3.85*	
26 05 33 13-1542	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	24.25	5.70
		For Work In Restricted Working Space, Add	*4.28*	
26 05 33 13-1543	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	25.80	6.27
		For Work In Restricted Working Space, Add	*4.71*	
26 05 33 13-1544	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	27.28	6.84
		For Work In Restricted Working Space, Add	*5.13*	
26 05 33 13-1545	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	31.45	7.70
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1546	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.03	8.55
		For Work In Restricted Working Space, Add	*6.42*	
26 05 33 13-1547	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	41.42	9.98
		For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-1548	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	46.82	11.41
		For Work In Restricted Working Space, Add	*8.56*	
26 05 33 13-1549	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	54.99	12.83
		For Work In Restricted Working Space, Add	*9.63*	
26 05 33 13-1550	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	64.24	14.25
		For Work In Restricted Working Space, Add	*10.69*	

26 05 33 13-1551 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1498)*

26 05 33 13-1552	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	16.66	2.28
		For Work In Restricted Working Space, Add	*1.71*	
26 05 33 13-1553	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	18.60	2.56
		For Work In Restricted Working Space, Add	*1.93*	
26 05 33 13-1554	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	19.45	2.85
		For Work In Restricted Working Space, Add	*2.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1555	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	20.23	3.14
		For Work In Restricted Working Space, Add	*2.35*	
26 05 33 13-1556	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	21.22	3.43
		For Work In Restricted Working Space, Add	*2.57*	
26 05 33 13-1557	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	25.07	4.00
		For Work In Restricted Working Space, Add	*2.99*	
26 05 33 13-1558	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	30.22	4.85
		For Work In Restricted Working Space, Add	*3.64*	
26 05 33 13-1559	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	35.96	5.70
		For Work In Restricted Working Space, Add	*4.28*	
26 05 33 13-1560	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	42.24	7.13
		For Work In Restricted Working Space, Add	*5.35*	
26 05 33 13-1561	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	48.53	8.55
		For Work In Restricted Working Space, Add	*6.42*	
26 05 33 13-1562	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	58.86	9.98
		For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-1563	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	70.92	11.41
		For Work In Restricted Working Space, Add	*8.56*	

26 05 33 13-1564 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1498)*

26 05 33 13-1565	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	47.72	14.25
		For Work In Restricted Working Space, Add	*10.69*	
26 05 33 13-1566	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	56.17	17.11
		For Work In Restricted Working Space, Add	*12.83*	
26 05 33 13-1567	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	63.46	19.96
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1568	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	70.66	22.81
		For Work In Restricted Working Space, Add	*17.11*	
26 05 33 13-1569	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	74.55	24.24
		For Work In Restricted Working Space, Add	*18.18*	
26 05 33 13-1570	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	80.76	25.66
		For Work In Restricted Working Space, Add	*19.25*	
26 05 33 13-1571	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	87.65	27.09
		For Work In Restricted Working Space, Add	*20.32*	
26 05 33 13-1572	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	95.19	28.52
		For Work In Restricted Working Space, Add	*21.39*	
26 05 33 13-1573	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	101.75	29.94
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1574	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	108.30	31.36
		For Work In Restricted Working Space, Add	*23.53*	
26 05 33 13-1575	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	119.33	32.80
		For Work In Restricted Working Space, Add	*24.59*	
26 05 33 13-1576	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	132.23	34.22
		For Work In Restricted Working Space, Add	*25.67*	

26 05 33 13-1577 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1498)*

26 05 33 13-1578	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	52.62	14.25
		For Work In Restricted Working Space, Add	*10.69*	
26 05 33 13-1579	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	61.67	17.11
		For Work In Restricted Working Space, Add	*12.83*	
26 05 33 13-1580	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	68.98	19.96
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1581	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	76.25	22.81
		For Work In Restricted Working Space, Add	*17.11*	
26 05 33 13-1582	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	80.18	24.24
		For Work In Restricted Working Space, Add	*18.18*	
26 05 33 13-1583	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	87.19	25.66
		For Work In Restricted Working Space, Add	*19.25*	
26 05 33 13-1584	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	95.37	27.09
		For Work In Restricted Working Space, Add	*20.32*	
26 05 33 13-1585	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	104.46	28.52
		For Work In Restricted Working Space, Add	*21.39*	
26 05 33 13-1586	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	112.18	29.94
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1587	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	119.89	31.36
		For Work In Restricted Working Space, Add	*23.53*	
26 05 33 13-1588	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	133.85	32.80
		For Work In Restricted Working Space, Add	*24.59*	
26 05 33 13-1589	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	150.39	34.22
		For Work In Restricted Working Space, Add	*25.67*	

26 05 33 13-1590 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1498)*

26 05 33 13-1591	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	50.36	4.00
		For Work In Restricted Working Space, Add	*2.99*	
26 05 33 13-1592	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	56.27	4.56
		For Work In Restricted Working Space, Add	*3.42*	
26 05 33 13-1593	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	59.07	5.13
		For Work In Restricted Working Space, Add	*3.85*	
26 05 33 13-1594	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	61.93	5.70
		For Work In Restricted Working Space, Add	*4.28*	
26 05 33 13-1595	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	64.11	6.27
		For Work In Restricted Working Space, Add	*4.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1596	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	70.14	6.84
		For Work In Restricted Working Space, Add	*5.13*	
26 05 33 13-1597	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	82.89	7.70
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1598	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	97.71	8.55
		For Work In Restricted Working Space, Add	*6.42*	
26 05 33 13-1599	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	110.82	9.98
		For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-1600	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	123.93	11.41
		For Work In Restricted Working Space, Add	*8.56*	
26 05 33 13-1601	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	151.39	12.83
		For Work In Restricted Working Space, Add	*9.63*	
26 05 33 13-1602	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	183.84	14.25
		For Work In Restricted Working Space, Add	*10.69*	

26 05 33 13-1603 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1498)*

26 05 33 13-1604	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	61.15	14.25
		For Work In Restricted Working Space, Add	*10.69*	
26 05 33 13-1605	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	71.12	17.11
		For Work In Restricted Working Space, Add	*12.83*	
26 05 33 13-1606	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	84.93	19.96
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1607	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	104.25	22.81
		For Work In Restricted Working Space, Add	*17.11*	
26 05 33 13-1608	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	125.33	24.24
		For Work In Restricted Working Space, Add	*18.18*	
26 05 33 13-1609	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	160.10	25.66
		For Work In Restricted Working Space, Add	*19.25*	
26 05 33 13-1610	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	218.69	27.09
		For Work In Restricted Working Space, Add	*20.32*	
26 05 33 13-1611	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	258.48	28.52
		For Work In Restricted Working Space, Add	*21.39*	
26 05 33 13-1612	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	305.07	29.94
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1613	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	351.66	31.36
		For Work In Restricted Working Space, Add	*23.53*	
26 05 33 13-1614	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	406.54	32.80
		For Work In Restricted Working Space, Add	*24.59*	
26 05 33 13-1615	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	636.55	34.22
		For Work In Restricted Working Space, Add	*25.67*	

26 05 33 13-1616 Spacers *(26 05 33 13-1187)*

Note: For concrete encasement applications. See CSI section 03 31 13 00-0032 for concrete., 26 05 33 13-1187 for conduit.

26 05 33 13-1617	EA	1" Base Spacers, Average 4" Wide, Direct Burial	7.57
26 05 33 13-1618	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.13
26 05 33 13-1619	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	9.00
26 05 33 13-1620	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	9.70
26 05 33 13-1621	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.08
26 05 33 13-1622	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	9.75
26 05 33 13-1623	EA	2" Base Spacer, Average 4" Wide, Direct Burial	11.27
26 05 33 13-1624	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.47
26 05 33 13-1625	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.46
26 05 33 13-1626	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.05
26 05 33 13-1627	EA	3" Base Spacer, Average 4" Wide, Direct Burial	14.25
26 05 33 13-1628	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	13.62
26 05 33 13-1629	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	15.44
26 05 33 13-1630	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.76
26 05 33 13-1631	EA	4" Base Spacer, Average 4" Wide, Direct Burial	15.92
26 05 33 13-1632	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.18
26 05 33 13-1633	EA	5" Base Spacer, Average 4" Wide, Direct Burial	17.60
26 05 33 13-1634	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	16.73
26 05 33 13-1635	EA	6" Base Spacer, Average 4" Wide, Direct Burial	19.89
26 05 33 13-1636	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	19.15

26 05 33 13-1637 Conduit Field Bending *(26 05 33 13-0057)*

26 05 33 13-1638 Metallic Conduit Field Bending *(26 05 33 13-1637)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-1639	EA	1-1/4" Metallic Conduit Field Bending	12.29
26 05 33 13-1640	EA	1-1/2" Metallic Conduit Field Bending	16.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1641	EA	2" Metallic Conduit Field Bending	20.49	
26 05 33 13-1642	EA	2-1/2" Metallic Conduit Field Bending	28.69	
26 05 33 13-1643	EA	3" Metallic Conduit Field Bending	36.88	
26 05 33 13-1644	EA	3-1/2" Metallic Conduit Field Bending	45.08	
26 05 33 13-1645	EA	4" Metallic Conduit Field Bending	53.27	
26 05 33 13-1646	EA	5" Metallic Conduit Field Bending	65.57	
26 05 33 13-1647	EA	6" Metallic Conduit Field Bending	77.86	

26 05 33 13-1648 Plastic Conduit Field Bending *(26 05 33 13-1637)*

Note: For PVC conduits.

26 05 33 13-1649	EA	1" Plastic Conduit Field Bending	18.85	
26 05 33 13-1650	EA	1-1/4" Plastic Conduit Field Bending	20.49	
26 05 33 13-1651	EA	1-1/2" Plastic Conduit Field Bending	24.59	
26 05 33 13-1652	EA	2" Plastic Conduit Field Bending	32.78	
26 05 33 13-1653	EA	2-1/2" Plastic Conduit Field Bending	40.98	
26 05 33 13-1654	EA	3" Plastic Conduit Field Bending	49.18	
26 05 33 13-1655	EA	3-1/2" Plastic Conduit Field Bending	57.37	
26 05 33 13-1656	EA	4" Plastic Conduit Field Bending	65.57	
26 05 33 13-1657	EA	5" Plastic Conduit Field Bending	73.76	
26 05 33 13-1658	EA	6" Plastic Conduit Field Bending	81.96	

26 05 33 13-1659 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0057)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-1660	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	24.04	
		For Work In Restricted Working Space, Add	*7.21*	
26 05 33 13-1661	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	26.44	
		For Work In Restricted Working Space, Add	*7.93*	
26 05 33 13-1662	EA	1", Cut And Thread Existing In-Place Threaded Conduit	28.84	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1663	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	31.25	
		For Work In Restricted Working Space, Add	*9.38*	
26 05 33 13-1664	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	32.84	
		For Work In Restricted Working Space, Add	*9.85*	
26 05 33 13-1665	EA	2", Cut And Thread Existing In-Place Threaded Conduit	34.45	
		For Work In Restricted Working Space, Add	*10.34*	
26 05 33 13-1666	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	36.06	
		For Work In Restricted Working Space, Add	*10.82*	
26 05 33 13-1667	EA	3", Cut And Thread Existing In-Place Threaded Conduit	37.65	
		For Work In Restricted Working Space, Add	*11.30*	
26 05 33 13-1668	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	38.45	
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-1669	EA	4", Cut And Thread Existing In-Place Threaded Conduit	39.26	
		For Work In Restricted Working Space, Add	*11.78*	
26 05 33 13-1670	EA	5", Cut And Thread Existing In-Place Threaded Conduit	40.85	
		For Work In Restricted Working Space, Add	*12.26*	
26 05 33 13-1671	EA	6", Cut And Thread Existing In-Place Threaded Conduit	42.46	
		For Work In Restricted Working Space, Add	*12.74*	

26 05 33 13-1672 Flexible Conduit *(26 05 33 13-0057)*

26 05 33 13-1673 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-1672)*

Note: Steel inner core with PVC cover.

26 05 33 13-1674 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-1673)*

26 05 33 13-1675	LF	3/8" Flexible Liquid Tight Metallic Conduit	3.20	0.87
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-1676	LF	1/2" Flexible Liquid Tight Metallic Conduit	3.35	0.87
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-1677	LF	3/4" Flexible Liquid Tight Metallic Conduit	4.50	1.16
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.44*	
		For Work In Restricted Working Space, Add	*0.88*	
26 05 33 13-1678	LF	1" Flexible Liquid Tight Metallic Conduit	5.30	1.16
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.44*	
		For Work In Restricted Working Space, Add	*0.88*	
26 05 33 13-1679	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	6.90	1.46
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-1680	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	8.94	1.75
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.66*	
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-1681	LF	2" Flexible Liquid Tight Metallic Conduit	11.74	2.34
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.75*	
26 05 33 13-1682	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	16.31	2.63
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.97*	
26 05 33 13-1683	LF	3" Flexible Liquid Tight Metallic Conduit	24.42	3.21
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.20*	
		For Work In Restricted Working Space, Add	*2.41*	
26 05 33 13-1684	LF	4" Flexible Liquid Tight Metallic Conduit	33.61	4.09
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.53*	
		For Work In Restricted Working Space, Add	*3.07*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-1685 Straight Liquid Tight Connector *(26 05 33 13-1673)*

26 05 33 13-1686	EA	3/8" Straight Liquid Tight Connector	8.73	2.34
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-1687	EA	1/2" Straight Liquid Tight Connector	8.73	2.34
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-1688	EA	3/4" Straight Liquid Tight Connector	10.71	2.63
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-1689	EA	1" Straight Liquid Tight Connector	14.69	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-1690	EA	1-1/4" Straight Liquid Tight Connector	19.21	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1691	EA	1-1/2" Straight Liquid Tight Connector	24.70	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-1692	EA	2" Straight Liquid Tight Connector	34.51	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-1693	EA	2-1/2" Straight Liquid Tight Connector	123.40	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-1694	EA	3" Straight Liquid Tight Connector	159.89	5.54
		For Work In Restricted Working Space, Add	*4.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1695	EA	4" Straight Liquid Tight Connector	194.82	8.17
		For Work In Restricted Working Space, Add	*6.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	

26 05 33 13-1696 90 Degree Angle Liquid Tight Connector *(26 05 33 13-1673)*

26 05 33 13-1697	EA	3/8" 90 Degree Angle Liquid Tight Connector	12.86	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1698	EA	1/2" 90 Degree Angle Liquid Tight Connector	13.48	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1699	EA	3/4" 90 Degree Angle Liquid Tight Connector	15.32	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-1700	EA	1" 90 Degree Angle Liquid Tight Connector	22.14	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-1701	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	28.38	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1702	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	34.84	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1703	EA	2" 90 Degree Angle Liquid Tight Connector	46.67	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-1704	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	173.54	5.54
		For Work In Restricted Working Space, Add	*4.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1705	EA	3" 90 Degree Angle Liquid Tight Connector	205.15	6.43
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1706	EA	4" 90 Degree Angle Liquid Tight Connector	282.94	10.22
		For Work In Restricted Working Space, Add	*7.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	

26 05 33 13-1707 45 Degree Angle Connector *(26 05 33 13-1673)*

26 05 33 13-1708	EA	3/8" 45 Degree Angle Liquid Tight Connector	12.65	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1709	EA	1/2" 45 Degree Angle Liquid Tight Connector	12.80	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1710	EA	3/4" 45 Degree Angle Liquid Tight Connector	15.32	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-1711	EA	1" 45 Degree Angle Liquid Tight Connector	23.84	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-1712	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	27.28	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1713	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	30.72	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	

26 05 33 13-1714 Flexible Metallic Conduit And Connectors *(26 05 33 13-1672)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1715		**Flexible Steel Conduit** *(26 05 33 13-1714)*		
26 05 33 13-1716	LF	3/8" Flexible Metallic Conduit	2.81	0.96
		For Flexible Aluminum Conduit, Add	*0.08*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.35*	
		For Installation In Metal Stud Wall, Add	*0.24*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.59*	
		For Work In Restricted Working Space, Add	*0.71*	
26 05 33 13-1717	LF	1/2" Flexible Metallic Conduit	2.91	0.96
		For Flexible Aluminum Conduit, Add	*0.08*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.36*	
		For Installation In Metal Stud Wall, Add	*0.24*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.60*	
		For Work In Restricted Working Space, Add	*0.72*	
26 05 33 13-1718	LF	3/4" Flexible Metallic Conduit	3.29	1.28
		For Flexible Aluminum Conduit, Add	*0.11*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.39*	
		For Installation In Metal Stud Wall, Add	*0.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.65*	
		For Work In Restricted Working Space, Add	*0.78*	
26 05 33 13-1719	LF	1" Flexible Metallic Conduit	4.09	1.28
		For Flexible Aluminum Conduit, Add	*0.21*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.42*	
		For Installation In Metal Stud Wall, Add	*0.28*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.70*	
		For Work In Restricted Working Space, Add	*0.84*	
26 05 33 13-1720	LF	1-1/4" Flexible Metallic Conduit	4.65	1.60
		For Flexible Aluminum Conduit, Add	*0.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.44*	
		For Installation In Metal Stud Wall, Add	*0.30*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.74*	
		For Work In Restricted Working Space, Add	*0.89*	
26 05 33 13-1721	LF	1-1/2" Flexible Metallic Conduit	6.04	1.91
		For Flexible Aluminum Conduit, Add	*0.49*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.46*	
		For Installation In Metal Stud Wall, Add	*0.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.77*	
		For Work In Restricted Working Space, Add	*0.92*	
26 05 33 13-1722	LF	2" Flexible Metallic Conduit	6.83	2.56
		For Flexible Aluminum Conduit, Add	*0.60*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.48*	
		For Installation In Metal Stud Wall, Add	*0.32*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.80*	
		For Work In Restricted Working Space, Add	*0.96*	
26 05 33 13-1723	LF	2-1/2" Flexible Steel Conduit	8.39	2.88
		For Flexible Aluminum Conduit, Add	*0.72*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.60*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.20*	
26 05 33 13-1724	LF	3" Flexible Metallic Conduit	12.43	3.52
		For Flexible Aluminum Conduit, Add	*1.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.72*	
		For Installation In Metal Stud Wall, Add	*0.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.20*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 33 13-1725	LF	3-1/2" Flexible Metallic Conduit	15.22	3.84
		For Flexible Aluminum Conduit, Add	*1.59*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.84*	
		For Installation In Metal Stud Wall, Add	*0.56*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.40*	
		For Work In Restricted Working Space, Add	*1.68*	
26 05 33 13-1726	LF	4" Flexible Metallic Conduit	17.49	4.48
		For Flexible Aluminum Conduit, Add	*1.83*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.96*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.60*	
		For Work In Restricted Working Space, Add	*1.92*	
26 05 33 13-1727		**Plain Squeeze Type Straight Connector** *(26 05 33 13-1714)*		
26 05 33 13-1728	EA	3/8" Flexible Straight Connectors, Plain	4.77	2.56
		For Work In Restricted Working Space, Add	*1.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-1729	EA	1/2" Flexible Straight Connectors, Plain	5.86	2.88
		For Work In Restricted Working Space, Add	*1.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.20*	
26 05 33 13-1730	EA	3/4" Flexible Straight Connectors, Plain	6.76	3.52
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1731	EA	1" Flexible Straight Connectors, Plain	10.69	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1732	EA	1-1/4" Flexible Straight Connectors, Plain	15.03	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1733	EA	1-1/2" Flexible Straight Connectors, Plain	19.76	5.44
		For Work In Restricted Working Space, Add	*3.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1734	EA	2" Flexible Straight Connectors, Plain	25.89	5.44
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 33 13-1735	EA	2-1/2" Flexible Straight Connectors, Plain	41.27	6.72
		For Work In Restricted Working Space, Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-1736	EA	3" Flexible Straight Connectors, Plain	53.82	7.36
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1737	EA	3-1/2" Flexible Straight Connectors, Plain	164.27	8.64
		For Work In Restricted Working Space, Add	*5.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.40*	
26 05 33 13-1738	EA	4" Flexible Straight Connectors, Plain	205.06	10.55
		For Work In Restricted Working Space, Add	*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 05 33 13-1739 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-1714)*

26 05 33 13-1740	EA	1/2" Flexible Straight Connectors, Insulated	6.50	2.88
		For Work In Restricted Working Space, Add	*1.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.20*	
26 05 33 13-1741	EA	3/4" Flexible Straight Connectors, Insulated	7.60	3.52
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1742	EA	1" Flexible Straight Connectors, Insulated	11.83	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1743	EA	1-1/4" Flexible Straight Connectors, Insulated	17.13	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1744	EA	1-1/2" Flexible Straight Connectors, Insulated	23.49	4.80
		For Work In Restricted Working Space, Add	*3.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	
26 05 33 13-1745	EA	2" Flexible Straight Connectors, Insulated	32.48	5.44
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 33 13-1746	EA	2-1/2" Flexible Straight Connectors, Insulated	55.38	6.72
		For Work In Restricted Working Space, Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-1747	EA	3" Flexible Straight Connectors, Insulated	70.45	7.36
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1748	EA	3-1/2" Flexible Straight Connectors, Insulated	189.90	8.64
		For Work In Restricted Working Space, Add	*5.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.40*	
26 05 33 13-1749	EA	4" Flexible Straight Connectors, Insulated	243.59	10.55
		For Work In Restricted Working Space, Add	*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 05 33 13-1750 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-1714)*

26 05 33 13-1751	EA	3/8" Flexible 90 Degree Connector, Plain	6.67	3.20
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1752	EA	1/2" Flexible 90 Degree Connector, Plain	8.74	3.52
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-1753	EA	3/4" Flexible 90 Degree Connector, Plain	11.30	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1754	EA	1" Flexible 90 Degree Connector, Plain	15.75	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1755	EA	1-1/4" Flexible 90 Degree Connector, Plain	24.31	4.80
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1756	EA	1-1/2" Flexible 90 Degree Connector, Plain	37.72	5.60
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 33 13-1757	EA	2" Flexible 90 Degree Connector, Plain	45.40	6.88
		For Work In Restricted Working Space, Add	*4.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.08*	
26 05 33 13-1758	EA	2-1/2" Flexible 90 Degree Connector, Plain	98.92	7.36
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1759	EA	3" Flexible 90 Degree Connector, Plain	126.85	8.64
		For Work In Restricted Working Space, Add	*5.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.40*	
26 05 33 13-1760	EA	3-1/2" Flexible 90 Degree Connector, Plain	267.56	10.55
		For Work In Restricted Working Space, Add	*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 33 13-1761	EA	4" Flexible 90 Degree Connector, Plain	477.00	12.00
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	

26 05 33 13-1762 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-1714)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1763	EA	1/2" Flexible 90 Degree Connector, Insulated	9.63	3.52
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-1764	EA	3/4" Flexible 90 Degree Connector, Insulated	12.40	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1765	EA	1" Flexible 90 Degree Connector, Insulated	15.75	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1766	EA	1-1/4" Flexible 90 Degree Connector, Insulated	28.20	4.80
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1767	EA	1-1/2" Flexible 90 Degree Connector, Insulated	44.79	5.60
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 33 13-1768	EA	2" Flexible 90 Degree Connector, Insulated	56.89	6.88
		For Work In Restricted Working Space, Add	*4.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.08*	
26 05 33 13-1769	EA	2-1/2" Flexible 90 Degree Connector, Insulated	134.83	7.36
		For Work In Restricted Working Space, Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-1770	EA	3" Flexible 90 Degree Connector, Insulated	165.76	8.64
		For Work In Restricted Working Space, Add	*5.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.40*	
26 05 33 13-1771	EA	3-1/2" Flexible 90 Degree Connector, Insulated	443.91	10.55
		For Work In Restricted Working Space, Add	*6.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 33 13-1772	EA	4" Flexible 90 Degree Connector, Insulated	661.70	12.00
		For Work In Restricted Working Space, Add	*7.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	

26 05 33 13-1773 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-1714)*

26 05 33 13-1774	EA	3/8" Flexible 45 Degree Connector, Plain	7.39	3.20
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1775	EA	1/2" Flexible 45 Degree Connector, Plain	9.89	3.52
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-1776	EA	3/4" Flexible 45 Degree Connector, Plain	12.58	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	

26 05 33 13-1777 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-1714)*

26 05 33 13-1778	EA	3/8" Flexible 45 Degree Connector, Insulated	7.88	3.84
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1779	EA	1/2" Flexible 45 Degree Connector, Insulated	10.70	3.52
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-1780	EA	3/4" Flexible 45 Degree Connector, Insulated	13.73	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	

26 05 33 13-1781 Plain Screw-In Connector *(26 05 33 13-1714)*

26 05 33 13-1782	EA	3/8" Flexible Steel Screw-in Connector, Plain	4.03	2.56
		For Work In Restricted Working Space, Add	*1.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-1783	EA	1/2" Flexible Steel Screw-in Connector, Plain	4.36	2.88
		For Work In Restricted Working Space, Add	*1.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.20*	
26 05 33 13-1784	EA	3/4" Flexible Steel Screw-in Connector, Plain	5.53	3.52
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1785	EA	1" Flexible Steel Screw-in Connector, Plain	7.86	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1786	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	11.43	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1787	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	13.98	4.80
		For Work In Restricted Working Space, Add	*3.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	
26 05 33 13-1788	EA	2" Flexible Steel Screw-in Connector, Plain	20.29	5.44
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	

26 05 33 13-1789 Insulated Screw-In Connector *(26 05 33 13-1714)*

26 05 33 13-1790	EA	3/8" Flexible Steel Screw-in Connector, Insulated	4.25	2.56
		For Work In Restricted Working Space, Add	*1.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-1791	EA	1/2" Flexible Steel Screw-in Connector, Insulated	4.53	2.88
		For Work In Restricted Working Space, Add	*1.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1792	EA	3/4" Flexible Steel Screw-in Connector, Insulated	5.96	3.52
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1793	EA	1" Flexible Steel Screw-in Connector, Insulated	8.52	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1794	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	12.37	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1795	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	15.12	4.80
		For Work In Restricted Working Space, Add	*3.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	
26 05 33 13-1796	EA	2" Flexible Steel Screw-in Connector, Insulated	21.29	5.44
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	

26 05 33 13-1797 Screw-In Coupling *(26 05 33 13-1714)*

26 05 33 13-1798	EA	1/2" Flexible Steel Screw-in Coupling	4.77	2.88
		For Work In Restricted Working Space, Add	*1.20*	
26 05 33 13-1799	EA	3/4" Flexible Steel Screw-in Coupling	6.22	3.52
		For Work In Restricted Working Space, Add	*1.44*	

26 05 33 13-1800 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-1714)*

26 05 33 13-1801	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	6.24	2.56
		For Work In Restricted Working Space, Add	*1.08*	
26 05 33 13-1802	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	8.40	2.88
		For Work In Restricted Working Space, Add	*1.20*	
26 05 33 13-1803	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	11.05	3.52
		For Work In Restricted Working Space, Add	*1.44*	

26 05 33 13-1804 Die Cast Squeeze Type Straight Connector *(26 05 33 13-1714)*

26 05 33 13-1805	EA	3/8" Flexible Straight Connector, Die Cast	4.16	2.56
		For Work In Restricted Working Space, Add	*1.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-1806	EA	1/2" Flexible Straight Connector, Die Cast	4.70	2.88
		For Work In Restricted Working Space, Add	*1.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.20*	
26 05 33 13-1807	EA	3/4" Flexible Straight Connector, Die Cast	5.82	3.52
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1808	EA	1" Flexible Straight Connector, Die Cast	8.67	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1809	EA	1-1/4" Flexible Straight Connector, Die Cast	11.63	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1810	EA	1-1/2" Flexible Straight Connector, Die Cast	15.69	4.80
		For Work In Restricted Working Space, Add	*3.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	
26 05 33 13-1811	EA	2" Flexible Straight Connector, Die Cast	20.20	5.44
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	

26 05 33 13-1812 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-1714)*

26 05 33 13-1813	EA	3/8" Flexible 90 Degree Connector, Die Cast	5.52	3.20
		For Work In Restricted Working Space, Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.44*	
26 05 33 13-1814	EA	1/2" Flexible 90 Degree Connector, Die Cast	6.81	3.52
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-1815	EA	3/4" Flexible 90 Degree Connector, Die Cast	8.21	3.84
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1816	EA	1" Flexible 90 Degree Connector, Die Cast	12.81	4.48
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1817	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	17.99	4.80
		For Work In Restricted Working Space, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-1818	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	27.68	5.60
		For Work In Restricted Working Space, Add	*3.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 33 13-1819	EA	2" Flexible 90 Degree Connector, Die Cast	33.01	6.88
		For Work In Restricted Working Space, Add	*4.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.08*	

26 05 33 13-1820 Flexible Liquid Tight Non-Metallic Conduit And Connectors *(26 05 33 13-1672)*

26 05 33 13-1821 Flexible Liquid Tight Non-Metallic Conduit *(26 05 33 13-1820)*

26 05 33 13-1822	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	2.95	0.87
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-1823	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	3.01	0.87
		For Work In Restricted Working Space, Add	*0.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1824	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	4.06	1.16
		For Work In Restricted Working Space, Add	*0.88*	
26 05 33 13-1825	LF	1" Flexible Liquid Tight Non-Metallic Conduit	5.22	1.16
		For Work In Restricted Working Space, Add	*0.88*	
26 05 33 13-1826	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	6.64	1.46
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-1827	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	8.54	1.75
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-1828	LF	2" Flexible Liquid Tight Non-Metallic Conduit	10.92	2.34
		For Work In Restricted Working Space, Add	*1.75*	

26 05 33 13-1829 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-1820)*

26 05 33 13-1830	EA	3/8" Liquid Tight Non-Metallic Straight Connector	8.64	2.34
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-1831	EA	1/2" Liquid Tight Non-Metallic Straight Connector	8.64	2.34
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-1832	EA	3/4" Liquid Tight Non-Metallic Straight Connector	10.71	2.63
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-1833	EA	1" Liquid Tight Non-Metallic Straight Connector	13.53	2.92
		For Work In Restricted Working Space, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 33 13-1834	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	19.20	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1835	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	24.31	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-1836	EA	2" Liquid Tight Non-Metallic Straight Connector	38.74	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	

26 05 33 13-1837 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-1820)*

26 05 33 13-1838	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	12.59	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1839	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	12.59	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1840	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	15.77	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-1841	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.87	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-1842	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	23.53	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1843	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	38.66	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1844	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	52.62	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	

26 05 33 13-1845 Liquid Tight Non-Metallic 45 Degree Angle Connector *(26 05 33 13-1820)*

26 05 33 13-1846	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	12.59	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1847	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	12.59	3.21
		For Work In Restricted Working Space, Add	*2.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.41*	
26 05 33 13-1848	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	15.77	3.50
		For Work In Restricted Working Space, Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.63*	
26 05 33 13-1849	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	22.87	4.09
		For Work In Restricted Working Space, Add	*3.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-1850	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	23.53	4.38
		For Work In Restricted Working Space, Add	*3.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-1851	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	38.66	4.67
		For Work In Restricted Working Space, Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1852	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	52.62	5.25
		For Work In Restricted Working Space, Add	*3.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	

26 05 33 13-1853 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-1672)*

Note: Carlon - FLEX-PLUS.

26 05 33 13-1854 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-1853)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1855	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	2.66	0.96
		For Work In Restricted Working Space, Add	*0.72*	
26 05 33 13-1856	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	3.56	1.28
		For Work In Restricted Working Space, Add	*0.96*	
26 05 33 13-1857	LF	1" Blue ENT Electrical Non-Metallic Tubing	3.79	1.28
		For Work In Restricted Working Space, Add	*0.96*	
26 05 33 13-1858		**Terminal Adapter** *(26 05 33 13-1853)*		
26 05 33 13-1859	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	6.82	2.56
		For Work In Restricted Working Space, Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 05 33 13-1860	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	7.99	2.88
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1861	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	9.01	3.20
		For Work In Restricted Working Space, Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-1862		**Coupling** *(26 05 33 13-1853)*		
26 05 33 13-1863	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	6.76	2.56
		For Work In Restricted Working Space, Add	*1.92*	
26 05 33 13-1864	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	7.69	2.88
		For Work In Restricted Working Space, Add	*2.16*	
26 05 33 13-1865	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	8.73	3.20
		For Work In Restricted Working Space, Add	*2.40*	
26 05 33 13-1866		**Conduit Bodies** *(26 05 33 13-0057)*		
26 05 33 13-1867		**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-1866)*		
26 05 33 13-1868		**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body** *(26 05 33 13-1867)*		
26 05 33 13-1869	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	41.29	14.02
		For Mogul LB, Add	*2.94*	
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-1870	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	48.65	16.06
		For Mogul LB, Add	*4.37*	
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1871	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	58.81	18.69
		For Mogul LB, Add	*6.74*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Elevated Installation >10' To 15', Add	*4.67*	
		For Elevated Installation >15' To 20', Add	*9.34*	
		For Elevated Installation >20' To 25', Add	*11.68*	
		For Elevated Installation >25' To 30', Add	*16.35*	
		For Elevated Installation >30' To 35', Add	*18.68*	
		For Elevated Installation >35' To 40', Add	*23.36*	
		For Elevated Installation >40', Add	*25.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.01*	
26 05 33 13-1872	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	71.34	21.32
		For Mogul LB, Add	*10.88*	
		For Work In Restricted Working Space, Add	*15.98*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.32*	
		For Elevated Installation >25' To 30', Add	*18.65*	
		For Elevated Installation >30' To 35', Add	*21.31*	
		For Elevated Installation >35' To 40', Add	*26.64*	
		For Elevated Installation >40', Add	*29.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.98*	
26 05 33 13-1873	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	81.70	23.35
		For Mogul LB, Add	*14.56*	
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1874	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	107.71	28.02
		For Mogul LB, Add	*24.73*	
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.01*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.52*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-1875	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	181.84	39.42
		For Mogul LB, Add	*57.55*	
		For Work In Restricted Working Space, Add	*29.56*	
		For Elevated Installation >10' To 15', Add	*9.85*	
		For Elevated Installation >15' To 20', Add	*19.71*	
		For Elevated Installation >20' To 25', Add	*24.64*	
		For Elevated Installation >25' To 30', Add	*34.49*	
		For Elevated Installation >30' To 35', Add	*39.42*	
		For Elevated Installation >35' To 40', Add	*49.27*	
		For Elevated Installation >40', Add	*54.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.56*	
26 05 33 13-1876	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	238.93	52.55
		For Mogul LB, Add	*74.09*	
		For Work In Restricted Working Space, Add	*39.41*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.98*	
		For Elevated Installation >30' To 35', Add	*52.55*	
		For Elevated Installation >35' To 40', Add	*65.69*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.41*	
26 05 33 13-1877	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	318.05	65.70
		For Mogul LB, Add	*107.15*	
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1878	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	413.74	79.99
		For Mogul LB, Add	*150.31*	
		For Work In Restricted Working Space, Add	*60.00*	
		For Elevated Installation >10' To 15', Add	*20.00*	
		For Elevated Installation >15' To 20', Add	*40.00*	
		For Elevated Installation >20' To 25', Add	*50.00*	
		For Elevated Installation >25' To 30', Add	*70.00*	
		For Elevated Installation >30' To 35', Add	*80.00*	
		For Elevated Installation >35' To 40', Add	*100.00*	
		For Elevated Installation >40', Add	*109.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.00*	

26 05 33 13-1879 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1867)*

26 05 33 13-1880	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	42.05	14.02
		For Mogul LB, Add	*3.51*	
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-1881	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	49.39	16.06
		For Mogul LB, Add	*4.92*	
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1882	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	60.30	18.69
		For Mogul LB, Add	*7.86*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Elevated Installation >10' To 15', Add	*4.67*	
		For Elevated Installation >15' To 20', Add	*9.34*	
		For Elevated Installation >20' To 25', Add	*11.68*	
		For Elevated Installation >25' To 30', Add	*16.35*	
		For Elevated Installation >30' To 35', Add	*18.68*	
		For Elevated Installation >35' To 40', Add	*23.36*	
		For Elevated Installation >40', Add	*25.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.01*	
26 05 33 13-1883	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	73.16	21.32
		For Mogul LB, Add	*12.25*	
		For Work In Restricted Working Space, Add	*15.98*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.32*	
		For Elevated Installation >25' To 30', Add	*18.65*	
		For Elevated Installation >30' To 35', Add	*21.31*	
		For Elevated Installation >35' To 40', Add	*26.64*	
		For Elevated Installation >40', Add	*29.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.98*	
26 05 33 13-1884	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	84.80	23.35
		For Mogul LB, Add	*16.88*	
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-1885	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	114.36	28.02
		For Mogul LB, Add	*29.71*	
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.01*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.52*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-1886	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	178.48	39.42
		For Mogul LB, Add	*55.03*	
		For Work In Restricted Working Space, Add	*29.56*	
		For Elevated Installation >10' To 15', Add	*9.85*	
		For Elevated Installation >15' To 20', Add	*19.71*	
		For Elevated Installation >20' To 25', Add	*24.64*	
		For Elevated Installation >25' To 30', Add	*34.49*	
		For Elevated Installation >30' To 35', Add	*39.42*	
		For Elevated Installation >35' To 40', Add	*49.27*	
		For Elevated Installation >40', Add	*54.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.56*	
26 05 33 13-1887	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	227.64	52.55
		For Mogul LB, Add	*65.63*	
		For Work In Restricted Working Space, Add	*39.41*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.98*	
		For Elevated Installation >30' To 35', Add	*52.55*	
		For Elevated Installation >35' To 40', Add	*65.69*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.41*	
26 05 33 13-1888	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	327.67	65.70
		For Mogul LB, Add	*114.37*	
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1889	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	433.40	79.99
		For Mogul LB, Add	*165.06*	
		For Work In Restricted Working Space, Add	*60.00*	
		For Elevated Installation >10' To 15', Add	*20.00*	
		For Elevated Installation >15' To 20', Add	*40.00*	
		For Elevated Installation >20' To 25', Add	*50.00*	
		For Elevated Installation >25' To 30', Add	*70.00*	
		For Elevated Installation >30' To 35', Add	*80.00*	
		For Elevated Installation >35' To 40', Add	*100.00*	
		For Elevated Installation >40', Add	*109.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.00*	

26 05 33 13-1890 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1867)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1891	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	48.45	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1892	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	57.39	18.69
		For Work In Restricted Working Space, Add	*14.01*	
		For Elevated Installation >10' To 15', Add	*4.67*	
		For Elevated Installation >15' To 20', Add	*9.34*	
		For Elevated Installation >20' To 25', Add	*11.68*	
		For Elevated Installation >25' To 30', Add	*16.35*	
		For Elevated Installation >30' To 35', Add	*18.68*	
		For Elevated Installation >35' To 40', Add	*23.36*	
		For Elevated Installation >40', Add	*25.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.01*	
26 05 33 13-1893	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	66.21	20.43
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1894	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	81.31	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-1895	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	94.01	25.69
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1896	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	126.11	30.07
		For Work In Restricted Working Space, Add	*22.55*	
		For Elevated Installation >10' To 15', Add	*7.52*	
		For Elevated Installation >15' To 20', Add	*15.04*	
		For Elevated Installation >20' To 25', Add	*18.80*	
		For Elevated Installation >25' To 30', Add	*26.31*	
		For Elevated Installation >30' To 35', Add	*30.07*	
		For Elevated Installation >35' To 40', Add	*37.59*	
		For Elevated Installation >40', Add	*41.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.55*	
26 05 33 13-1897	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	199.47	43.80
		For Work In Restricted Working Space, Add	*32.84*	
		For Elevated Installation >10' To 15', Add	*10.95*	
		For Elevated Installation >15' To 20', Add	*21.90*	
		For Elevated Installation >20' To 25', Add	*27.37*	
		For Elevated Installation >25' To 30', Add	*38.32*	
		For Elevated Installation >30' To 35', Add	*43.79*	
		For Elevated Installation >35' To 40', Add	*54.74*	
		For Elevated Installation >40', Add	*60.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.84*	
26 05 33 13-1898	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	257.69	56.93
		For Work In Restricted Working Space, Add	*42.70*	
		For Elevated Installation >10' To 15', Add	*14.23*	
		For Elevated Installation >15' To 20', Add	*28.47*	
		For Elevated Installation >20' To 25', Add	*35.58*	
		For Elevated Installation >25' To 30', Add	*49.82*	
		For Elevated Installation >30' To 35', Add	*56.93*	
		For Elevated Installation >35' To 40', Add	*71.17*	
		For Elevated Installation >40', Add	*78.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.70*	
26 05 33 13-1899	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	414.78	70.07
		For Work In Restricted Working Space, Add	*52.55*	
		For Elevated Installation >10' To 15', Add	*17.52*	
		For Elevated Installation >15' To 20', Add	*35.04*	
		For Elevated Installation >20' To 25', Add	*43.80*	
		For Elevated Installation >25' To 30', Add	*61.31*	
		For Elevated Installation >30' To 35', Add	*70.07*	
		For Elevated Installation >35' To 40', Add	*87.59*	
		For Elevated Installation >40', Add	*96.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1900	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	474.74	84.38
		For Work In Restricted Working Space, Add	*63.28*	
		For Elevated Installation >10' To 15', Add	*21.09*	
		For Elevated Installation >15' To 20', Add	*42.19*	
		For Elevated Installation >20' To 25', Add	*52.74*	
		For Elevated Installation >25' To 30', Add	*73.83*	
		For Elevated Installation >30' To 35', Add	*84.38*	
		For Elevated Installation >35' To 40', Add	*105.47*	
		For Elevated Installation >40', Add	*116.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.28*	

26 05 33 13-1901 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1867)*

26 05 33 13-1902	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	42.20	14.02
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-1903	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	48.86	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1904	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	58.96	18.39
		For Work In Restricted Working Space, Add	*13.79*	
		For Elevated Installation >10' To 15', Add	*4.60*	
		For Elevated Installation >15' To 20', Add	*9.20*	
		For Elevated Installation >20' To 25', Add	*11.50*	
		For Elevated Installation >25' To 30', Add	*16.09*	
		For Elevated Installation >30' To 35', Add	*18.39*	
		For Elevated Installation >35' To 40', Add	*22.99*	
		For Elevated Installation >40', Add	*25.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1905	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.44	21.32
		For Work In Restricted Working Space, Add	*15.98*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.32*	
		For Elevated Installation >25' To 30', Add	*18.65*	
		For Elevated Installation >30' To 35', Add	*21.31*	
		For Elevated Installation >35' To 40', Add	*26.64*	
		For Elevated Installation >40', Add	*29.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.98*	
26 05 33 13-1906	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	81.19	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-1907	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	107.76	28.02
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.01*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.52*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-1908	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	175.65	39.42
		For Work In Restricted Working Space, Add	*29.56*	
		For Elevated Installation >10' To 15', Add	*9.85*	
		For Elevated Installation >15' To 20', Add	*19.71*	
		For Elevated Installation >20' To 25', Add	*24.64*	
		For Elevated Installation >25' To 30', Add	*34.49*	
		For Elevated Installation >30' To 35', Add	*39.42*	
		For Elevated Installation >35' To 40', Add	*49.27*	
		For Elevated Installation >40', Add	*54.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1909	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	225.84	52.55
		For Work In Restricted Working Space, Add	*39.41*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.98*	
		For Elevated Installation >30' To 35', Add	*52.55*	
		For Elevated Installation >35' To 40', Add	*65.69*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.41*	
26 05 33 13-1910	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	321.89	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1911	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	415.54	79.99
		For Work In Restricted Working Space, Add	*60.00*	
		For Elevated Installation >10' To 15', Add	*20.00*	
		For Elevated Installation >15' To 20', Add	*40.00*	
		For Elevated Installation >20' To 25', Add	*50.00*	
		For Elevated Installation >25' To 30', Add	*70.00*	
		For Elevated Installation >30' To 35', Add	*80.00*	
		For Elevated Installation >35' To 40', Add	*100.00*	
		For Elevated Installation >40', Add	*109.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.00*	

26 05 33 13-1912 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1867)*

26 05 33 13-1913	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	56.16	18.39
		For Work In Restricted Working Space, Add	*13.79*	
		For Elevated Installation >10' To 15', Add	*4.60*	
		For Elevated Installation >15' To 20', Add	*9.20*	
		For Elevated Installation >20' To 25', Add	*11.50*	
		For Elevated Installation >25' To 30', Add	*16.09*	
		For Elevated Installation >30' To 35', Add	*18.39*	
		For Elevated Installation >35' To 40', Add	*22.99*	
		For Elevated Installation >40', Add	*25.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1914	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	64.87	20.43
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1915	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	79.50	22.48
		For Work In Restricted Working Space, Add	*16.86*	
		For Elevated Installation >10' To 15', Add	*5.62*	
		For Elevated Installation >15' To 20', Add	*11.24*	
		For Elevated Installation >20' To 25', Add	*14.05*	
		For Elevated Installation >25' To 30', Add	*19.67*	
		For Elevated Installation >30' To 35', Add	*22.48*	
		For Elevated Installation >35' To 40', Add	*28.10*	
		For Elevated Installation >40', Add	*30.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.86*	
26 05 33 13-1916	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	91.67	25.69
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1917	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	118.13	28.02
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.01*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.52*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1918	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	142.80	34.45
		For Work In Restricted Working Space, Add	*25.84*	
		For Elevated Installation >10' To 15', Add	*8.61*	
		For Elevated Installation >15' To 20', Add	*17.23*	
		For Elevated Installation >20' To 25', Add	*21.53*	
		For Elevated Installation >25' To 30', Add	*30.15*	
		For Elevated Installation >30' To 35', Add	*34.45*	
		For Elevated Installation >35' To 40', Add	*43.07*	
		For Elevated Installation >40', Add	*47.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.84*	
26 05 33 13-1919	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	266.88	50.51
		For Work In Restricted Working Space, Add	*37.88*	
		For Elevated Installation >10' To 15', Add	*12.63*	
		For Elevated Installation >15' To 20', Add	*25.26*	
		For Elevated Installation >20' To 25', Add	*31.57*	
		For Elevated Installation >25' To 30', Add	*44.20*	
		For Elevated Installation >30' To 35', Add	*50.51*	
		For Elevated Installation >35' To 40', Add	*63.14*	
		For Elevated Installation >40', Add	*69.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.88*	
26 05 33 13-1920	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	328.94	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1921	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	470.02	81.17
		For Work In Restricted Working Space, Add	*61.31*	
		For Elevated Installation >10' To 15', Add	*20.44*	
		For Elevated Installation >15' To 20', Add	*40.88*	
		For Elevated Installation >20' To 25', Add	*51.10*	
		For Elevated Installation >25' To 30', Add	*71.53*	
		For Elevated Installation >30' To 35', Add	*81.75*	
		For Elevated Installation >35' To 40', Add	*102.19*	
		For Elevated Installation >40', Add	*112.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.31*	
26 05 33 13-1922	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	567.86	97.52
		For Work In Restricted Working Space, Add	*73.14*	
		For Elevated Installation >10' To 15', Add	*24.38*	
		For Elevated Installation >15' To 20', Add	*48.76*	
		For Elevated Installation >20' To 25', Add	*60.95*	
		For Elevated Installation >25' To 30', Add	*85.33*	
		For Elevated Installation >30' To 35', Add	*97.52*	
		For Elevated Installation >35' To 40', Add	*121.90*	
		For Elevated Installation >40', Add	*134.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.14*	
26 05 33 13-1923		Threaded, Malleable Iron Conduit Body *(26 05 33 13-1866)*		
26 05 33 13-1924		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1923)*		
26 05 33 13-1925	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	43.42	14.02
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-1926	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	50.43	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1927	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	62.03	18.69
		For Work In Restricted Working Space, Add	*14.01*	
		For Elevated Installation >10' To 15', Add	*4.67*	
		For Elevated Installation >15' To 20', Add	*9.34*	
		For Elevated Installation >20' To 25', Add	*11.68*	
		For Elevated Installation >25' To 30', Add	*16.35*	
		For Elevated Installation >30' To 35', Add	*18.68*	
		For Elevated Installation >35' To 40', Add	*23.36*	
		For Elevated Installation >40', Add	*25.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1928	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	80.77	21.32
		For Work In Restricted Working Space, Add	*15.98*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.32*	
		For Elevated Installation >25' To 30', Add	*18.65*	
		For Elevated Installation >30' To 35', Add	*21.31*	
		For Elevated Installation >35' To 40', Add	*26.64*	
		For Elevated Installation >40', Add	*29.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.98*	
26 05 33 13-1929	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	92.12	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-1930	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	126.51	28.02
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.02*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.53*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-1931	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	214.05	39.42
		For Work In Restricted Working Space, Add	*29.56*	
		For Elevated Installation >10' To 15', Add	*9.85*	
		For Elevated Installation >15' To 20', Add	*19.71*	
		For Elevated Installation >20' To 25', Add	*24.64*	
		For Elevated Installation >25' To 30', Add	*34.49*	
		For Elevated Installation >30' To 35', Add	*39.42*	
		For Elevated Installation >35' To 40', Add	*49.27*	
		For Elevated Installation >40', Add	*54.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.56*	
26 05 33 13-1932	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	303.71	52.55
		For Work In Restricted Working Space, Add	*39.42*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.99*	
		For Elevated Installation >30' To 35', Add	*52.56*	
		For Elevated Installation >35' To 40', Add	*65.70*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.42*	
26 05 33 13-1933	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	419.34	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1934	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	501.67	79.99
		For Work In Restricted Working Space, Add	*60.00*	
		For Elevated Installation >10' To 15', Add	*20.00*	
		For Elevated Installation >15' To 20', Add	*40.00*	
		For Elevated Installation >20' To 25', Add	*50.00*	
		For Elevated Installation >25' To 30', Add	*70.00*	
		For Elevated Installation >30' To 35', Add	*80.00*	
		For Elevated Installation >35' To 40', Add	*100.00*	
		For Elevated Installation >40', Add	*110.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.00*	

26 05 33 13-1935 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1923)*

26 05 33 13-1936	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	45.36	14.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-1937	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	51.00	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1938	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.00	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.01*	
26 05 33 13-1939	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	82.76	21.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.98*	
26 05 33 13-1940	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	94.55	23.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-1941	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	121.53	28.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-1942	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	186.35	39.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.56*	
26 05 33 13-1943	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	253.90	52.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1944	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	448.67	65.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1945	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	523.30	79.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.00*	
26 05 33 13-1946		**Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover** *(26 05 33 13-1923)*		
26 05 33 13-1947	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	54.00	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1948	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	63.64	18.69
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.61*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.73*	
		For Elevated Installation >40', Add	*26.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.24*	
26 05 33 13-1949	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	75.59	20.43
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1950	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	95.61	23.35
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.06*	
		For Elevated Installation >35' To 40', Add	*28.83*	
		For Elevated Installation >40', Add	*31.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-1951	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	109.83	25.69
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1952	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	146.62	30.07
		For Work In Restricted Working Space, Add	*22.55*	
		For Elevated Installation >10' To 15', Add	*7.52*	
		For Elevated Installation >15' To 20', Add	*15.04*	
		For Elevated Installation >20' To 25', Add	*18.80*	
		For Elevated Installation >25' To 30', Add	*26.31*	
		For Elevated Installation >30' To 35', Add	*30.07*	
		For Elevated Installation >35' To 40', Add	*37.59*	
		For Elevated Installation >40', Add	*41.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.55*	
26 05 33 13-1953	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	184.43	43.80
		For Work In Restricted Working Space, Add	*32.84*	
		For Elevated Installation >10' To 15', Add	*10.95*	
		For Elevated Installation >15' To 20', Add	*21.90*	
		For Elevated Installation >20' To 25', Add	*27.37*	
		For Elevated Installation >25' To 30', Add	*38.32*	
		For Elevated Installation >30' To 35', Add	*43.79*	
		For Elevated Installation >35' To 40', Add	*54.74*	
		For Elevated Installation >40', Add	*60.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.84*	
26 05 33 13-1954	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	266.87	56.93
		For Work In Restricted Working Space, Add	*42.70*	
		For Elevated Installation >10' To 15', Add	*14.23*	
		For Elevated Installation >15' To 20', Add	*28.47*	
		For Elevated Installation >20' To 25', Add	*35.58*	
		For Elevated Installation >25' To 30', Add	*49.82*	
		For Elevated Installation >30' To 35', Add	*56.93*	
		For Elevated Installation >35' To 40', Add	*71.17*	
		For Elevated Installation >40', Add	*78.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1955	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	473.17	70.07
		For Work In Restricted Working Space, Add	*52.55*	
		For Elevated Installation >10' To 15', Add	*17.52*	
		For Elevated Installation >15' To 20', Add	*35.04*	
		For Elevated Installation >20' To 25', Add	*43.80*	
		For Elevated Installation >25' To 30', Add	*61.31*	
		For Elevated Installation >30' To 35', Add	*70.07*	
		For Elevated Installation >35' To 40', Add	*87.59*	
		For Elevated Installation >40', Add	*96.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.55*	
26 05 33 13-1956	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	546.68	84.38
		For Work In Restricted Working Space, Add	*63.50*	
		For Elevated Installation >10' To 15', Add	*21.17*	
		For Elevated Installation >15' To 20', Add	*42.33*	
		For Elevated Installation >20' To 25', Add	*52.92*	
		For Elevated Installation >25' To 30', Add	*74.08*	
		For Elevated Installation >30' To 35', Add	*84.67*	
		For Elevated Installation >35' To 40', Add	*105.84*	
		For Elevated Installation >40', Add	*116.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.50*	

26 05 33 13-1957 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1923)*

26 05 33 13-1958	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	43.56	14.02
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.76*	
		For Elevated Installation >25' To 30', Add	*12.26*	
		For Elevated Installation >30' To 35', Add	*14.01*	
		For Elevated Installation >35' To 40', Add	*17.52*	
		For Elevated Installation >40', Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-1959	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	52.94	16.06
		For Work In Restricted Working Space, Add	*12.05*	
		For Elevated Installation >10' To 15', Add	*4.02*	
		For Elevated Installation >15' To 20', Add	*8.03*	
		For Elevated Installation >20' To 25', Add	*10.04*	
		For Elevated Installation >25' To 30', Add	*14.05*	
		For Elevated Installation >30' To 35', Add	*16.06*	
		For Elevated Installation >35' To 40', Add	*20.08*	
		For Elevated Installation >40', Add	*22.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.05*	
26 05 33 13-1960	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	62.00	18.39
		For Work In Restricted Working Space, Add	*13.79*	
		For Elevated Installation >10' To 15', Add	*4.60*	
		For Elevated Installation >15' To 20', Add	*9.20*	
		For Elevated Installation >20' To 25', Add	*11.50*	
		For Elevated Installation >25' To 30', Add	*16.09*	
		For Elevated Installation >30' To 35', Add	*18.39*	
		For Elevated Installation >35' To 40', Add	*22.99*	
		For Elevated Installation >40', Add	*25.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1961	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	84.43	21.32
		For Work In Restricted Working Space, Add	*15.98*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.32*	
		For Elevated Installation >25' To 30', Add	*18.65*	
		For Elevated Installation >30' To 35', Add	*21.31*	
		For Elevated Installation >35' To 40', Add	*26.64*	
		For Elevated Installation >40', Add	*29.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.98*	
26 05 33 13-1962	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	98.97	23.35
		For Work In Restricted Working Space, Add	*17.52*	
		For Elevated Installation >10' To 15', Add	*5.84*	
		For Elevated Installation >15' To 20', Add	*11.68*	
		For Elevated Installation >20' To 25', Add	*14.60*	
		For Elevated Installation >25' To 30', Add	*20.44*	
		For Elevated Installation >30' To 35', Add	*23.36*	
		For Elevated Installation >35' To 40', Add	*29.20*	
		For Elevated Installation >40', Add	*32.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.52*	
26 05 33 13-1963	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	128.47	28.02
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.02*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.53*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1964	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	285.12	73.94
		For Work In Restricted Working Space, Add	*55.43*	
		For Elevated Installation >10' To 15', Add	*18.48*	
		For Elevated Installation >15' To 20', Add	*36.95*	
		For Elevated Installation >20' To 25', Add	*46.19*	
		For Elevated Installation >25' To 30', Add	*64.67*	
		For Elevated Installation >30' To 35', Add	*73.90*	
		For Elevated Installation >35' To 40', Add	*92.38*	
		For Elevated Installation >40', Add	*101.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.43*	
26 05 33 13-1965	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	274.82	52.55
		For Work In Restricted Working Space, Add	*39.42*	
		For Elevated Installation >10' To 15', Add	*13.14*	
		For Elevated Installation >15' To 20', Add	*26.28*	
		For Elevated Installation >20' To 25', Add	*32.85*	
		For Elevated Installation >25' To 30', Add	*45.99*	
		For Elevated Installation >30' To 35', Add	*52.56*	
		For Elevated Installation >35' To 40', Add	*65.70*	
		For Elevated Installation >40', Add	*72.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.42*	
26 05 33 13-1966	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	448.67	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1967	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	523.28	79.99
		For Work In Restricted Working Space, Add	*59.99*	
		For Elevated Installation >10' To 15', Add	*20.00*	
		For Elevated Installation >15' To 20', Add	*40.00*	
		For Elevated Installation >20' To 25', Add	*50.00*	
		For Elevated Installation >25' To 30', Add	*69.99*	
		For Elevated Installation >30' To 35', Add	*79.99*	
		For Elevated Installation >35' To 40', Add	*99.99*	
		For Elevated Installation >40', Add	*109.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.99*	

26 05 33 13-1968 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-1923)*

26 05 33 13-1969	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	61.33	18.39
		For Work In Restricted Working Space, Add	*13.79*	
		For Elevated Installation >10' To 15', Add	*4.60*	
		For Elevated Installation >15' To 20', Add	*9.20*	
		For Elevated Installation >20' To 25', Add	*11.50*	
		For Elevated Installation >25' To 30', Add	*16.09*	
		For Elevated Installation >30' To 35', Add	*18.39*	
		For Elevated Installation >35' To 40', Add	*22.99*	
		For Elevated Installation >40', Add	*25.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1970	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	67.02	20.43
		For Work In Restricted Working Space, Add	*15.33*	
		For Elevated Installation >10' To 15', Add	*5.11*	
		For Elevated Installation >15' To 20', Add	*10.22*	
		For Elevated Installation >20' To 25', Add	*12.78*	
		For Elevated Installation >25' To 30', Add	*17.89*	
		For Elevated Installation >30' To 35', Add	*20.44*	
		For Elevated Installation >35' To 40', Add	*25.55*	
		For Elevated Installation >40', Add	*28.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 05 33 13-1971	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	78.05	22.48
		For Work In Restricted Working Space, Add	*16.86*	
		For Elevated Installation >10' To 15', Add	*5.62*	
		For Elevated Installation >15' To 20', Add	*11.24*	
		For Elevated Installation >20' To 25', Add	*14.05*	
		For Elevated Installation >25' To 30', Add	*19.67*	
		For Elevated Installation >30' To 35', Add	*22.48*	
		For Elevated Installation >35' To 40', Add	*28.10*	
		For Elevated Installation >40', Add	*30.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.86*	
26 05 33 13-1972	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	93.08	25.69
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1973	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	107.72	28.02
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15', Add	*7.01*	
		For Elevated Installation >15' To 20', Add	*14.01*	
		For Elevated Installation >20' To 25', Add	*17.52*	
		For Elevated Installation >25' To 30', Add	*24.52*	
		For Elevated Installation >30' To 35', Add	*28.03*	
		For Elevated Installation >35' To 40', Add	*35.04*	
		For Elevated Installation >40', Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-1974	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	151.67	34.45
		For Work In Restricted Working Space, Add	*25.84*	
		For Elevated Installation >10' To 15', Add	*8.61*	
		For Elevated Installation >15' To 20', Add	*17.23*	
		For Elevated Installation >20' To 25', Add	*21.53*	
		For Elevated Installation >25' To 30', Add	*30.15*	
		For Elevated Installation >30' To 35', Add	*34.45*	
		For Elevated Installation >35' To 40', Add	*43.07*	
		For Elevated Installation >40', Add	*47.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.84*	
26 05 33 13-1975	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	243.29	50.51
		For Work In Restricted Working Space, Add	*37.88*	
		For Elevated Installation >10' To 15', Add	*12.63*	
		For Elevated Installation >15' To 20', Add	*25.26*	
		For Elevated Installation >20' To 25', Add	*31.57*	
		For Elevated Installation >25' To 30', Add	*44.20*	
		For Elevated Installation >30' To 35', Add	*50.51*	
		For Elevated Installation >35' To 40', Add	*63.14*	
		For Elevated Installation >40', Add	*69.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.88*	
26 05 33 13-1976	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	358.67	65.70
		For Work In Restricted Working Space, Add	*49.27*	
		For Elevated Installation >10' To 15', Add	*16.42*	
		For Elevated Installation >15' To 20', Add	*32.85*	
		For Elevated Installation >20' To 25', Add	*41.06*	
		For Elevated Installation >25' To 30', Add	*57.48*	
		For Elevated Installation >30' To 35', Add	*65.69*	
		For Elevated Installation >35' To 40', Add	*82.12*	
		For Elevated Installation >40', Add	*90.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.27*	
26 05 33 13-1977	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	539.15	81.17
		For Work In Restricted Working Space, Add	*60.87*	
		For Elevated Installation >10' To 15', Add	*20.29*	
		For Elevated Installation >15' To 20', Add	*40.58*	
		For Elevated Installation >20' To 25', Add	*50.73*	
		For Elevated Installation >25' To 30', Add	*71.02*	
		For Elevated Installation >30' To 35', Add	*81.16*	
		For Elevated Installation >35' To 40', Add	*101.46*	
		For Elevated Installation >40', Add	*111.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.87*	
26 05 33 13-1978	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	600.79	97.52
		For Work In Restricted Working Space, Add	*73.14*	
		For Elevated Installation >10' To 15', Add	*24.38*	
		For Elevated Installation >15' To 20', Add	*48.76*	
		For Elevated Installation >20' To 25', Add	*60.95*	
		For Elevated Installation >25' To 30', Add	*85.33*	
		For Elevated Installation >30' To 35', Add	*97.52*	
		For Elevated Installation >35' To 40', Add	*121.90*	
		For Elevated Installation >40', Add	*134.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.14*	

26 05 33 13-1979 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-1866)*

26 05 33 13-1980 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1979)*

26 05 33 13-1981	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	21.15	5.54
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1982	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	27.00	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1983	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	36.76	9.05
		For Work In Restricted Working Space, Add	*6.79*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.53*	
		For Elevated Installation >20' To 25', Add	*5.66*	
		For Elevated Installation >25' To 30', Add	*7.92*	
		For Elevated Installation >30' To 35', Add	*9.05*	
		For Elevated Installation >35' To 40', Add	*11.32*	
		For Elevated Installation >40', Add	*12.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1984	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	47.82	11.10
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1985	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	63.37	12.84
		For Work In Restricted Working Space, Add	*9.64*	
		For Elevated Installation >10' To 15', Add	*3.21*	
		For Elevated Installation >15' To 20', Add	*6.42*	
		For Elevated Installation >20' To 25', Add	*8.03*	
		For Elevated Installation >25' To 30', Add	*11.24*	
		For Elevated Installation >30' To 35', Add	*12.85*	
		For Elevated Installation >35' To 40', Add	*16.06*	
		For Elevated Installation >40', Add	*17.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.64*	
26 05 33 13-1986	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.60	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

26 05 33 13-1987 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1979)*

26 05 33 13-1988	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	21.35	5.54
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-1989	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	27.77	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1990	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	34.08	9.05
		For Work In Restricted Working Space, Add	*6.79*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.53*	
		For Elevated Installation >20' To 25', Add	*5.66*	
		For Elevated Installation >25' To 30', Add	*7.92*	
		For Elevated Installation >30' To 35', Add	*9.05*	
		For Elevated Installation >35' To 40', Add	*11.32*	
		For Elevated Installation >40', Add	*12.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1991	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	47.60	11.10
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1992	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	58.93	12.84
		For Work In Restricted Working Space, Add	*9.64*	
		For Elevated Installation >10' To 15', Add	*3.21*	
		For Elevated Installation >15' To 20', Add	*6.42*	
		For Elevated Installation >20' To 25', Add	*8.03*	
		For Elevated Installation >25' To 30', Add	*11.24*	
		For Elevated Installation >30' To 35', Add	*12.85*	
		For Elevated Installation >35' To 40', Add	*16.06*	
		For Elevated Installation >40', Add	*17.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.64*	
26 05 33 13-1993	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.22	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	

26 05 33 13-1994 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1979)*

26 05 33 13-1995	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	27.42	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-1996	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	35.84	9.05
		For Work In Restricted Working Space, Add	*6.79*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.53*	
		For Elevated Installation >20' To 25', Add	*5.66*	
		For Elevated Installation >25' To 30', Add	*7.92*	
		For Elevated Installation >30' To 35', Add	*9.05*	
		For Elevated Installation >35' To 40', Add	*11.32*	
		For Elevated Installation >40', Add	*12.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1997	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	43.17	11.10
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1998	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	60.24	12.84
		For Work In Restricted Working Space, Add	*10.07*	
		For Elevated Installation >10' To 15', Add	*3.36*	
		For Elevated Installation >15' To 20', Add	*6.72*	
		For Elevated Installation >20' To 25', Add	*8.40*	
		For Elevated Installation >25' To 30', Add	*11.75*	
		For Elevated Installation >30' To 35', Add	*13.43*	
		For Elevated Installation >35' To 40', Add	*16.79*	
		For Elevated Installation >40', Add	*18.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-1999	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	77.63	14.60
		For Work In Restricted Working Space, Add	*11.83*	
		For Elevated Installation >10' To 15', Add	*3.94*	
		For Elevated Installation >15' To 20', Add	*7.88*	
		For Elevated Installation >20' To 25', Add	*9.86*	
		For Elevated Installation >25' To 30', Add	*13.80*	
		For Elevated Installation >30' To 35', Add	*15.77*	
		For Elevated Installation >35' To 40', Add	*19.71*	
		For Elevated Installation >40', Add	*21.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.83*	
26 05 33 13-2000	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	105.29	16.35
		For Work In Restricted Working Space, Add	*13.58*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.05*	
		For Elevated Installation >20' To 25', Add	*11.31*	
		For Elevated Installation >25' To 30', Add	*15.84*	
		For Elevated Installation >30' To 35', Add	*18.10*	
		For Elevated Installation >35' To 40', Add	*22.63*	
		For Elevated Installation >40', Add	*24.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	

26 05 33 13-2001 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-1979)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2002	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.00	5.54
		For Work In Restricted Working Space, Add	*4.16*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.55*	
		For Elevated Installation >35' To 40', Add	*6.94*	
		For Elevated Installation >40', Add	*7.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.16*	
26 05 33 13-2003	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	29.47	7.30
		For Work In Restricted Working Space, Add	*5.48*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.65*	
		For Elevated Installation >20' To 25', Add	*4.56*	
		For Elevated Installation >25' To 30', Add	*6.39*	
		For Elevated Installation >30' To 35', Add	*7.30*	
		For Elevated Installation >35' To 40', Add	*9.13*	
		For Elevated Installation >40', Add	*10.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.48*	
26 05 33 13-2004	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.73	9.05
		For Work In Restricted Working Space, Add	*6.79*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.53*	
		For Elevated Installation >20' To 25', Add	*5.66*	
		For Elevated Installation >25' To 30', Add	*7.92*	
		For Elevated Installation >30' To 35', Add	*9.05*	
		For Elevated Installation >35' To 40', Add	*11.32*	
		For Elevated Installation >40', Add	*12.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-2005	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	48.98	11.10
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-2006	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	34.42	12.84
		For Work In Restricted Working Space, Add	*9.64*	
		For Elevated Installation >10' To 15', Add	*3.21*	
		For Elevated Installation >15' To 20', Add	*6.42*	
		For Elevated Installation >20' To 25', Add	*8.03*	
		For Elevated Installation >25' To 30', Add	*11.24*	
		For Elevated Installation >30' To 35', Add	*12.85*	
		For Elevated Installation >35' To 40', Add	*16.06*	
		For Elevated Installation >40', Add	*17.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.64*	
26 05 33 13-2007	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	91.64	14.60
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-2008		**Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-1866)*		
26 05 33 13-2009	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	98.00	15.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-2010	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	359.11	29.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	
26 05 33 13-2011	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	691.51	60.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.00*	
26 05 33 13-2012		**Replacement Covers And Gaskets For Conduit Body** *(26 05 33 13-1866)*		
26 05 33 13-2013		**Replacement Stamped Aluminum Conduit Body Cover** *(26 05 33 13-2012)*		
26 05 33 13-2014	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	7.75	2.85
26 05 33 13-2015	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	9.51	3.32
26 05 33 13-2016	EA	1" Replacement Stamped Aluminum Conduit Body Cover	12.18	4.27
26 05 33 13-2017	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	14.82	5.21
26 05 33 13-2018	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	18.26	6.17
26 05 33 13-2019	EA	2" Replacement Stamped Aluminum Conduit Body Cover	21.71	7.12
26 05 33 13-2020	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	29.05	8.06
26 05 33 13-2021	EA	3" Replacement Stamped Aluminum Conduit Body Cover	37.25	11.39
26 05 33 13-2022	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	40.43	12.81
26 05 33 13-2023	EA	4" Replacement Stamped Aluminum Conduit Body Cover	50.94	16.13
26 05 33 13-2024		**Replacement Cast Steel Conduit Body Cover** *(26 05 33 13-2012)*		
26 05 33 13-2025	EA	1/2" Replacement Cast Steel Conduit Body Cover	9.15	2.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2026	EA	3/4" Replacement Cast Steel Conduit Body Cover	10.72	3.32
26 05 33 13-2027	EA	1" Replacement Cast Steel Conduit Body Cover	15.18	4.27
26 05 33 13-2028	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	18.88	5.21
26 05 33 13-2029	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	22.99	6.17
26 05 33 13-2030	EA	2" Replacement Cast Steel Conduit Body Cover	27.12	7.12
26 05 33 13-2031	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	31.20	8.06
26 05 33 13-2032	EA	3" Replacement Cast Steel Conduit Body Cover	42.33	11.39
26 05 33 13-2033	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	48.43	12.81
26 05 33 13-2034	EA	4" Replacement Cast Steel Conduit Body Cover	61.06	16.13

26 05 33 13-2035 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2012)*

26 05 33 13-2036	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	7.12	2.85
26 05 33 13-2037	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	8.11	3.32
26 05 33 13-2038	EA	1" Replacement Velbuna Composition Conduit Body Gasket	10.62	4.27
26 05 33 13-2039	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	13.88	5.21
26 05 33 13-2040	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	15.77	6.17
26 05 33 13-2041	EA	2" Replacement Velbuna Composition Conduit Body Gasket	18.83	7.12
26 05 33 13-2042	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	25.11	8.06
26 05 33 13-2043	EA	3" Replacement Velbuna Composition Conduit Body Gasket	32.33	11.39
26 05 33 13-2044	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	35.77	12.81
26 05 33 13-2045	EA	4" Replacement Velbuna Composition Conduit Body Gasket	42.34	16.13

26 05 33 13-2046 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2012)*

26 05 33 13-2047	EA	1/2" Replacement Neoprene Conduit Body Gasket	8.09	2.85
26 05 33 13-2048	EA	3/4" Replacement Neoprene Conduit Body Gasket	9.03	3.32
26 05 33 13-2049	EA	1" Replacement Neoprene Conduit Body Gasket	11.83	4.27
26 05 33 13-2050	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	14.49	5.21
26 05 33 13-2051	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	16.38	6.17
26 05 33 13-2052	EA	2" Replacement Neoprene Conduit Body Gasket	18.89	7.12
26 05 33 13-2053	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	25.26	8.06
26 05 33 13-2054	EA	3" Replacement Neoprene Conduit Body Gasket	32.48	11.39
26 05 33 13-2055	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	36.80	12.81
26 05 33 13-2056	EA	4" Replacement Neoprene Conduit Body Gasket	43.37	16.13

26 05 33 16 Boxes For Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	26.69	12.00
		For Stud Bracket, Add	*0.66*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	27.91	12.00
		For Stud Bracket, Add	*1.19*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	32.10	12.00
		For Stud Bracket, Add	*1.29*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	21.98	8.00
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	17.73	8.00
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	9.28	4.00
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	9.48	4.00
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	9.62	4.00
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	10.07	4.00
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	10.20	4.00
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	11.66	4.00
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	9.83	4.00
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	9.97	4.00
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	10.14	4.00
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	11.63	4.00
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	11.93	4.00
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	13.82	4.00
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	10.55	4.00
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	11.75	4.00
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	9.81	4.00
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	9.92	4.00
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	9.78	4.00
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	10.10	4.00
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	10.37	4.00
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.70	4.00
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.32	4.00
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	13.70	4.00
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.32	4.00
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	11.10	4.00
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.70	4.00
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.70	4.00
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	8.86	4.00

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	31.21	12.00
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	28.44	12.00
		For Stud Bracket, Add	*0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	42.32	12.00
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	23.13	8.00
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	23.81	8.00
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	12.04	4.00
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	12.08	4.00
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	13.26	4.00
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	12.78	4.00
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	12.68	4.00
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.58	4.00
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.98	4.00
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.24	4.00
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.26	4.00
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	14.99	4.00
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	15.35	4.00
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	19.55	4.00
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	12.75	4.00
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	12.88	4.00
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	16.13	4.00
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	17.04	4.00
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	15.86	4.00
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	14.87	4.00
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	18.19	4.00
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	17.03	4.00
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	17.03	4.00
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	17.03	4.00
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	9.60	4.00
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	13.26	6.00
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	9.92	4.01
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	16.20	6.00
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	17.72	6.00
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	22.20	9.99
		For Stud Bracket, Add	*1.60*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	23.27	9.99
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	8.79	4.00
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	36.82	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	39.22	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	41.02	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	42.76	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	47.30	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	52.02	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	55.59	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	10.26	4.00
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	37.33	9.99
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	41.13	10.79
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	50.15	12.00
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	67.17	13.20
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	103.24	14.39
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	53.83	9.99
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	58.71	10.79
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	79.84	12.00
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	104.08	13.20
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	176.23	14.39
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	16.58	4.00
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	16.86	4.00
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	20.04	4.00
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	25.50	4.00
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	37.49	4.00
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	13.85	4.00
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	16.83	4.00
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	20.78	4.00
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	25.81	4.00
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	38.34	4.00
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	24.26	9.99
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	24.72	9.99
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	27.10	9.99
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	32.46	9.99
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	32.92	9.99
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	40.17	9.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	22.08	9.99
		For Stud Bracket, Add	*2.58*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	22.58	9.99
		For Stud Bracket, Add	*1.11*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	23.67	9.99
		For Stud Bracket, Add	*1.51*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	14.99	5.99
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	14.50	5.99
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	5.08	1.99
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.17	1.99
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.71	1.99
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	4.74	1.99
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.68	1.99
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.74	1.99
26 05 33 16-0122		**3"-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	33.79	13.99
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	38.34	14.79
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	44.55	16.00
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	51.14	17.59
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*		
		Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	72.35	24.00
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	77.16	27.99
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	90.49	33.99
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	89.70	31.99
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	115.73	37.99
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	89.29	31.99
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	107.55	37.99
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	91.92	31.99
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	107.58	37.99
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	89.29	31.99
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	104.34	37.99
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	105.72	39.98
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	124.87	47.98
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	110.76	39.98
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	144.11	47.98
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	114.06	39.98
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	136.20	47.98
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	105.29	39.98
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	138.42	47.98
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	135.29	47.98
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	163.18	57.98
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*		
		Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	76.07	24.00
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	87.47	27.99
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	102.39	33.99
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	96.49	31.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	111.04	37.99
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	133.34	45.99
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	120.30	37.99
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	155.08	47.98
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	88.04	25.99
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	97.13	29.99
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	112.44	35.99
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	105.82	33.99
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	119.73	39.98
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	99.20	25.99
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	107.63	29.99
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	122.61	33.99
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	137.47	39.98
26 05 33 16-0171		**Cast Aluminum Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	64.35	20.00
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	73.32	24.00
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	80.35	29.99
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	60.02	20.00
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	76.37	24.00
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	80.77	27.99
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	96.91	33.99
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	121.84	41.99
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	88.30	27.99
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	93.25	33.99
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	84.02	27.99
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	95.81	33.99
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	81.25	27.99
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	95.81	33.99
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	74.86	27.99
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	102.60	33.99
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	95.27	35.99
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	115.66	43.98
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	101.89	35.99
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	138.59	43.98
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	101.33	35.99
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	124.38	43.98
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	126.35	43.98
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	123.52	43.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	150.68	53.99
26 05 33 16-0198		**Deep, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	72.03	20.00
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	86.28	24.00
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	98.17	29.99
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	93.29	24.00
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	90.70	27.99
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	109.11	33.99
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	120.69	41.99
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	110.73	33.99
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	134.62	43.98
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	86.78	21.99
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	99.11	25.99
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	105.06	31.99
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	107.63	29.99
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	107.95	35.99
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	133.50	43.98
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	86.69	21.99
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	100.15	25.99
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	110.02	29.99
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	124.01	35.99
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	110.02	29.99
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	124.01	35.99
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	115.30	31.99
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	128.67	37.99
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	134.32	27.99
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	148.78	33.99
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	137.96	31.99
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	172.28	35.99
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	155.12	39.98
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	152.71	35.99
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	187.55	39.98
26 05 33 16-0234		**Non Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	40.82	16.80
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	46.65	19.60
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	53.14	23.80
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	52.24	22.39
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	61.38	26.59
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	74.45	32.19
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	52.43	22.39
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	60.87	26.59
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	72.70	32.19
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	66.21	27.99
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	75.39	33.59
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	88.79	40.58
26 05 33 16-0248		**Deep, Single Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	41.39	16.80
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	40.40	16.80
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	47.99	19.60
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	53.69	23.80
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	53.35	22.39
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	59.93	26.59
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	71.62	32.19
26 05 33 16-0256		**Shallow, Two Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	43.91	18.19
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	50.30	20.99
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	56.05	25.19
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	53.81	23.80
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	66.58	27.99
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	78.77	33.59
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	55.12	23.80
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	70.21	27.99
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	75.86	33.59
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	67.40	29.39
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	88.78	34.99
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	91.49	41.99
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	425.58	29.99
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	271.43	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	35.15	8.00
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	45.22	4.00
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	482.26	31.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	253.53	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	61.08	12.00
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	45.22	4.00
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	133.56	8.00
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	380.31	27.99
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	30.84	4.00
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	378.50	27.99
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	43.65	4.00
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	663.67	31.99
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	663.75	31.99
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	632.04	31.99
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	632.04	31.99
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	663.67	31.99
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	663.67	31.99
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	605.26	31.99
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	376.07	29.99
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	404.05	29.99
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	406.82	29.99
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	112.75	16.00
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	269.17	8.00
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	269.17	8.00
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	223.29	8.00
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	32.02	1.99

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26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	14.65	4.00
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.14	4.00
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	14.58	4.00
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	14.63	4.00
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	14.52	4.00
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	17.40	4.00
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.20	4.00
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	17.65	4.00
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	14.28	4.00
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	14.30	4.00
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	14.08	4.00
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	14.08	4.00
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	35.17	5.99
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	12.77	4.00
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	13.13	4.00
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	114.62	7.20
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	16.97	4.00
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	17.75	4.00
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	18.29	4.00
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	27.46	8.00
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	31.18	9.99
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	34.73	9.99
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	26.26	8.00
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	17.62	4.00
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	17.62	4.00
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	18.64	4.00
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	19.33	4.00

26 05 33 16-0328 Evolution 8AT Poke Thru Units *(26 05 33 16-0284)*

Note: Excludes concrete drilling.

26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	874.09	31.99
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	831.40	31.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	823.37	31.99
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	815.75	31.99
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	489.02	29.99
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	549.16	29.99
26 05 33 16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	136.22	16.00
26 05 33 16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	291.32	8.00
26 05 33 16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	291.32	8.00
26 05 33 16-0338	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	50.27	1.99
26 05 33 16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	15.19	4.00
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.28	4.00
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.39	4.00
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.06	4.00
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	22.16	4.00
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	22.13	4.00
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	14.69	4.00
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	14.89	4.00
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.69	4.00
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.69	4.00
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.79	4.00
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	17.94	4.00
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	20.89	4.00
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	27.46	8.00

26 05 33 23 Surface Raceways For Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	18.02	3.65
		For Combination Hinged Screw Cover, Add	*0.54*	
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	14.83	5.47
		For Combination Hinged Screw Cover, Add	*0.19*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	17.53	6.83
		For Combination Hinged Screw Cover, Add	*0.19*	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	36.94	12.77
		For Combination Hinged Screw Cover, Add	*0.57*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	59.63	12.77
		For Combination Hinged Screw Cover, Add	*1.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	88.34	18.18
		For Combination Hinged Screw Cover, Add	*2.60*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	99.18	20.07
		For Combination Hinged Screw Cover, Add	*2.95*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	22.06	4.60
		For Combination Hinged Screw Cover, Add	*0.65*	
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	39.66	4.60
		For Combination Hinged Screw Cover, Add	*1.53*	
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	12.08	4.01
		For Combination Hinged Screw Cover, Add	*0.20*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	19.38	7.66
		For Combination Hinged Screw Cover, Add	*0.20*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	43.61	15.62
		For Combination Hinged Screw Cover, Add	*0.62*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	68.56	15.62
		For Combination Hinged Screw Cover, Add	*1.86*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	97.13	20.29
		For Combination Hinged Screw Cover, Add	*2.83*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	112.20	23.72
		For Combination Hinged Screw Cover, Add	*3.24*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	32.99	5.47
		For Combination Hinged Screw Cover, Add	*1.10*	
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	63.86	5.47
		For Combination Hinged Screw Cover, Add	*2.64*	
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	15.28	4.38
		For Combination Hinged Screw Cover, Add	*0.33*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	24.77	9.12
		For Combination Hinged Screw Cover, Add	*0.33*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	61.63	18.18
		For Combination Hinged Screw Cover, Add	*1.27*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	87.97	18.18
		For Combination Hinged Screw Cover, Add	*2.58*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	138.24	22.70
		For Combination Hinged Screw Cover, Add	*4.64*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	149.83	26.28
		For Combination Hinged Screw Cover, Add	*4.86*	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	53.23	5.99
		For Combination Hinged Screw Cover, Add	*2.06*	
		For Concrete Or Masonry Surface, Add	*0.60*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	97.18	5.99
		For Combination Hinged Screw Cover, Add	*4.26*	
		For Concrete Or Masonry Surface, Add	*0.60*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	16.83	4.74
		For Combination Hinged Screw Cover, Add	*0.37*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	27.05	9.86
		For Combination Hinged Screw Cover, Add	*0.37*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	68.78	20.00
		For Combination Hinged Screw Cover, Add	*1.44*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	111.56	20.00
		For Combination Hinged Screw Cover, Add	*3.58*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	166.25	24.68
		For Combination Hinged Screw Cover, Add	*5.85*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	232.08	29.93
		For Combination Hinged Screw Cover, Add	*8.61*	

26 05 33 23-0038 10" x 10", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	77.28	6.94
		For Combination Hinged Screw Cover, Add	*3.17*	
		For Concrete Or Masonry Surface, Add	*0.70*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	136.76	6.94
		For Combination Hinged Screw Cover, Add	*6.14*	
		For Concrete Or Masonry Surface, Add	*0.70*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	23.55	5.47
		For Combination Hinged Screw Cover, Add	*0.63*	
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	34.50	10.95
		For Combination Hinged Screw Cover, Add	*0.63*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	91.73	21.75
		For Combination Hinged Screw Cover, Add	*2.41*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	176.61	21.75
		For Combination Hinged Screw Cover, Add	*6.65*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	267.08	27.44
		For Combination Hinged Screw Cover, Add	*10.61*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	380.99	31.02
		For Combination Hinged Screw Cover, Add	*15.95*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0047		12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*		
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	90.74	8.39
		For Combination Hinged Screw Cover, Add	*3.70*	
		For Concrete Or Masonry Surface, Add	*0.84*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	150.52	8.39
		For Combination Hinged Screw Cover, Add	*6.69*	
		For Concrete Or Masonry Surface, Add	*0.84*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	30.95	5.84
		For Combination Hinged Screw Cover, Add	*0.96*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	42.63	11.68
		For Combination Hinged Screw Cover, Add	*0.96*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	120.29	23.72
		For Combination Hinged Screw Cover, Add	*3.64*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	232.70	23.72
		For Combination Hinged Screw Cover, Add	*9.26*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	300.10	29.20
		For Combination Hinged Screw Cover, Add	*12.09*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	488.88	32.85
		For Combination Hinged Screw Cover, Add	*21.16*	
26 05 33 23-0056		Surface Metal Raceways *(26 05 33 23-0001)*		
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057		One Piece Surface Metal Raceways *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058		3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*		
		Note: Available in ivory.		
26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	3.38	1.09
		For Concrete Or Masonry Surface, Add	*0.11*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	3.21	1.46
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	3.24	1.46
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	3.38	1.46
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	5.25	1.75
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	9.03	1.82
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	6.55	2.19
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	6.39	2.19
26 05 33 23-0067		3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*		
		Note: Available in ivory and white.		
26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	4.25	1.46
		For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	3.30	1.46
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	3.42	1.46
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	3.44	1.46
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	7.66	2.92
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	12.50	2.92
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	8.33	2.92
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	8.02	2.92
26 05 33 23-0076		One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*		
		Note: Available in ivory.		
26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	24.60	2.19
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	3.39	1.46
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	3.39	1.46
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	10.40	2.19
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	8.69	2.19
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	9.75	2.92
26 05 33 23-0083	EA	Tee (Wiremold #5715)	10.87	3.65
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	19.83	2.92
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	15.08	2.92
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	8.04	1.82
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	18.86	2.92
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	18.77	2.92
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	8.55	1.82
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	16.99	2.92
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	16.37	2.92
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	16.51	2.92
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	16.51	2.92
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	18.77	2.92
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	18.54	2.92
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	19.84	2.92
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	21.96	4.74
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	34.31	9.12
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	16.26	4.74
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	26.54	4.74
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	30.62	4.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	47.21	4.74
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	24.13	4.01
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	27.07	4.01
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	44.13	4.01
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	17.04	4.74
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	14.82	4.74
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	21.41	4.74
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	42.97	4.74
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	15.94	4.74
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	22.74	4.74
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	41.73	4.74
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	62.61	4.74
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	104.15	4.74
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	106.00	4.74
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	15.72	4.74
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	15.25	4.74
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	20.74	4.74
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	42.15	4.74
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	16.59	4.74
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	21.89	4.74
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	32.16	4.74
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	11.12	1.82
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	10.57	1.82
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	6.85	1.82
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	13.29	2.19
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	6.92	1.82
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	16.82	2.19
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	15.00	2.19
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	8.06	2.19
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	13.88	2.19
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	7.03	1.82
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	6.27	1.46

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	6.21	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	3.77	1.46
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	4.44	1.82
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	4.98	2.19
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	19.73	6.94
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	20.46	6.94
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	22.15	6.94
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	22.01	6.94
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	20.33	4.74
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	21.01	4.74
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	41.24	9.12
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	21.68	4.74
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	26.84	4.74
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	26.30	4.74
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	12.74	2.19

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*

Note: Galvanized finish.

26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	10.01	3.29
		For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	3.75	1.46
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	4.21	1.46
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	15.41	2.56
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	23.09	3.65
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	22.54	4.38

26 05 33 23-0157 Two Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) *(26 05 33 23-0157)*

26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	5.92	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	2.77	1.46
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	7.30	1.82
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	3.67	1.09
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	3.38	1.09
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	9.06	1.82
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	17.42	5.47
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	30.34	7.30
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	4.52	1.82
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	14.97	4.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0169	EA	Tee (Wiremold #2015)	27.95	6.86
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	9.43	3.65
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	22.83	6.50
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	36.83	7.23
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	24.69	7.23
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	21.00	3.65
26 05 33 23-0175	EA	#2089E End Reducing Connector	8.58	1.82

26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	4.87	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	5.35	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	1.97	0.36
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	2.72	1.46
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	7.17	1.82
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	5.98	1.82
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	3.30	1.09
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	24.81	5.47
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	23.75	5.47
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	6.52	1.46
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	16.13	5.47
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	4.48	1.82
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	4.54	1.82
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	24.70	5.47
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	23.67	5.47
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	39.03	5.47
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	29.82	5.47
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	18.13	5.47
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	29.26	5.47
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	26.16	5.40
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	17.27	5.47
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	31.41	5.40
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	29.85	5.40
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	20.53	5.40
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	17.07	5.40
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	27.02	5.40
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	26.21	5.40
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	16.52	5.40
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	29.41	5.40
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	28.93	5.40
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	20.18	5.40
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	26.77	4.74
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	29.77	4.74
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	29.92	4.74
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	28.65	4.74
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	40.60	4.74
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	35.69	4.74
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	18.63	4.74
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	29.11	4.74
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	8.91	1.82
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	21.02	5.47
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	63.49	5.47
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	18.37	2.92

26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	9.85	3.29
		For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	2.43	0.36
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	3.80	1.46
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	9.71	1.46
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	9.94	1.82
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	7.22	1.82
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	4.06	1.46
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	10.69	2.92
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	10.79	2.19
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	24.72	6.94
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	8.96	2.92
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	27.55	6.94
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	41.70	9.05
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	29.17	9.12
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	57.58	11.31
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	26.88	6.94
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	33.52	6.94
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE)	23.48	6.94
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	40.87	6.94
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE)	13.29	1.82
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	14.57	1.82
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	13.25	1.82
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	13.08	2.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	34.93	9.49
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	46.22	6.94
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	13.27	2.19
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	12.80	1.82
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	50.18	4.38
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	121.79	4.38
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	43.76	4.38
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	47.31	4.38
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	47.31	4.38
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	15.13	2.19

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	12.16	3.29
		For Concrete Or Masonry Surface, Add	*0.35*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	4.40	0.36
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	2.09	0.36
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	4.72	1.82
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	12.17	2.19
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	5.59	2.19
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	5.69	2.19
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	25.01	4.74
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	13.07	2.92
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	50.17	11.24
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	46.97	9.12
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	55.88	9.12
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	50.82	11.31
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	68.64	11.31
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	76.46	11.31
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	79.60	11.31
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	95.59	11.31
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	95.90	11.31
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	40.78	11.31
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	75.07	11.31
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	45.49	11.31
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	38.29	11.31
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	62.20	11.31
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	72.62	11.31
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	62.61	4.74
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	66.46	4.74
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	66.46	4.74
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	89.25	4.74
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	17.81	4.74
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	57.50	2.19
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	68.06	4.74
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	17.93	4.74
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	21.08	4.74
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	20.46	3.65
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	97.10	11.31
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	87.22	11.31
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	87.22	11.31
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	67.09	21.53
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	41.77	11.31

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	18.05	4.01
		For Concrete Or Masonry Surface, Add	*0.40*	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	5.25	1.09
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	5.58	1.09
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	5.51	1.82
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	14.84	3.65
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	6.92	1.82
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	19.25	4.74
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	18.21	4.74
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	19.15	4.74
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	21.08	4.74
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	30.63	6.94
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	32.15	10.95
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	62.78	10.95
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	64.00	10.51
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	92.26	11.31
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	64.77	12.41
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	115.17	12.41
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	111.40	10.95
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	120.75	10.95
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	68.42	25.40

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0316		1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*		
26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	7.77	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	3.99	0.36
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	3.72	1.46
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	8.02	1.82
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	4.04	1.09
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	5.19	1.09
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	7.37	1.82
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	20.52	5.47
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	6.63	1.82
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	24.14	4.74
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	32.64	6.86
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	21.99	3.65
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	21.95	3.65
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	35.60	7.23
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	84.73	6.50
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	36.87	6.50
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	77.75	7.23
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	38.23	6.50
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	68.55	7.23
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	28.46	7.23
26 05 33 23-0337		2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*		
26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	8.26	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	3.79	0.36
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	4.88	1.46
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	9.12	1.82
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	6.36	1.09
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	5.59	1.46
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	7.01	1.82
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	15.02	5.47
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	27.45	5.47
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	29.93	5.40
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	35.17	5.40
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	27.35	5.40
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	29.45	5.40
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	24.48	5.47
26 05 33 23-0352		2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*		
26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	14.17	3.29
		For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	4.18	0.36
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	3.45	3.29
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	6.73	1.46
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	12.23	1.46
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	10.19	1.82
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	6.85	1.46
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	14.25	2.92
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	23.13	6.94
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	70.43	9.05
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	80.78	11.31
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	91.37	11.31
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	66.01	6.94
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	66.08	6.94
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	14.64	2.19
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	14.55	2.19
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	14.39	2.19
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	14.41	1.82
26 05 33 23-0371		5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	18.61	3.29
		For Concrete Or Masonry Surface, Add	*0.35*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	7.82	0.36
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	4.55	0.36
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	6.17	1.82
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	5.14	1.82
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	5.11	1.82
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	11.82	2.19
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	10.63	2.19
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	13.12	2.19
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	13.96	2.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	15.03	2.92
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	15.27	2.92
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	14.78	2.92
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	78.51	9.12
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	60.88	11.31
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	91.73	11.31
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	100.87	11.31
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	81.10	11.31
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	33.02	11.31
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	83.42	11.31
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	81.82	11.31
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	17.59	2.19
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	20.94	2.19
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	24.93	2.19
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	23.35	2.19
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	21.53	2.19
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	19.84	4.74

26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)

(26 05 33 23-0315)

26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	16.49	3.29
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	7.77	2.19
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	13.84	2.92
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	14.91	2.92
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	77.71	9.12
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	79.76	11.31
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	77.70	11.31
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	91.90	11.31
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	78.75	11.31

26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)

(26 05 33 23-0315)

26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	24.84	3.29
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	10.69	2.19
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	14.00	2.92
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	15.61	2.92
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	91.97	9.12
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	125.97	11.31
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	84.75	11.31
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	99.94	11.31
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	89.03	11.31

26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0315)*

26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	5.36	0.36
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	4.80	1.82
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	11.97	2.19
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	10.18	2.19
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	27.69	9.12
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	33.00	11.31
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	30.90	9.12
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	13.01	2.19
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	13.89	2.19
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	14.47	2.19
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	15.14	2.19
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	14.01	2.19
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	14.48	2.19
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	14.86	2.19
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	19.11	2.19
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	17.95	2.19
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	20.72	2.19
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	14.45	2.19
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	20.01	2.19
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	18.30	2.19
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	14.83	2.19
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	18.46	2.19

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			MINOR	TOTAL DIRECT	DEMOLITION
	CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 23-0442			Surface Non-Metallic Raceways *(26 05 33 23-0001)* Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0443			One Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)* Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0444			7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) *(26 05 33 23-0443)*		
26 05 33 23-0445	LF		7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	4.48	1.46
			For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0446	EA		Wire Clip (Wiremold #400WC)	3.25	1.46
26 05 33 23-0447	EA		Cover Clip (Wiremold #406)	3.46	1.46
26 05 33 23-0448	EA		Blank End Clip (Wiremold #410B)	6.61	2.92
26 05 33 23-0449	EA		Flat 90 Degree Elbow (Wiremold #411)	7.91	2.92
26 05 33 23-0450	EA		Tee (Wiremold #415)	9.97	3.65
26 05 33 23-0451	EA		Internal Elbow (Wiremold #417)	7.75	2.92
26 05 33 23-0452	EA		External Elbow (Wiremold #418)	7.75	2.92
26 05 33 23-0453			1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) *(26 05 33 23-0443)*		
26 05 33 23-0454	LF		1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	5.30	1.46
			For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0455	EA		Wire Clip (Wiremold #800WC)	3.32	1.46
26 05 33 23-0456	EA		Cover Clip (Wiremold #806)	3.40	1.46
26 05 33 23-0457	EA		Entrance End Fitting (Wiremold #810A2)	11.13	2.92
26 05 33 23-0458	EA		Blank End Fitting (Wiremold #810B)	6.70	2.92
26 05 33 23-0459	EA		Flat 90 Degree Elbow (Wiremold #811)	7.98	2.92
26 05 33 23-0460	EA		Tee (Wiremold #815)	10.04	3.65
26 05 33 23-0461	EA		Internal Elbow (Wiremold #817)	7.80	2.92
26 05 33 23-0462	EA		External Elbow (Wiremold #818)	7.80	2.92
26 05 33 23-0463	EA		End Reducer, #800 To #400 (Wiremold #889A)	9.00	2.92
26 05 33 23-0464			2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) *(26 05 33 23-0443)*		
26 05 33 23-0465	LF		2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	6.24	1.46
			For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0466	LF		2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	6.69	1.46
			For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0467	EA		Wire Clip (Wiremold #2300WC)	3.52	1.46
26 05 33 23-0468	EA		Cover Clip (Wiremold #2306)	3.75	1.46
26 05 33 23-0469	EA		Entrance End Fitting (Wiremold #2310A)	12.24	2.92
26 05 33 23-0470	EA		Blank End Fitting (Wiremold #2310B)	7.14	2.92
26 05 33 23-0471	EA		Divided Entrance End Fitting (Wiremold #2310DFO)	13.99	2.92
26 05 33 23-0472	EA		Flat 90 Degree Elbow (Wiremold #2311)	8.17	2.92
26 05 33 23-0473	EA		Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	8.90	2.92
26 05 33 23-0474	EA		Tee (Wiremold #2315)	10.14	3.65
26 05 33 23-0475	EA		Internal Elbow (Wiremold #2317)	8.17	2.92
26 05 33 23-0476	EA		Divided Internal Elbow (Wiremold #2317DFO)	8.92	2.92
26 05 33 23-0477	EA		External Elbow (Wiremold #2318)	8.19	2.92
26 05 33 23-0478	EA		Divided External Elbow (Wiremold #2318DFO)	9.05	2.92
26 05 33 23-0479	EA		End Reducer, #2300 To #400 (Wiremold #2389)	9.06	2.92
26 05 33 23-0480	EA		End Reducer, #2300 To #800 (Wiremold #2389A)	9.53	2.92
26 05 33 23-0481			One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA		Blank Cover, 4-1/2" Diameter (Wiremold #2336)	10.49	2.56
26 05 33 23-0483	EA		Extension Box, 5-1/2" Diameter (Wiremold #2337A)	17.94	2.92
26 05 33 23-0484	EA		-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	18.05	2.92
26 05 33 23-0485	EA		Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	16.13	2.92
26 05 33 23-0486	EA		Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	18.96	2.92
26 05 33 23-0487	EA		Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	17.72	2.92
26 05 33 23-0488	EA		Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	19.40	2.92
26 05 33 23-0489	EA		1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	15.02	4.74
26 05 33 23-0490	EA		2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	17.52	4.74
26 05 33 23-0491	EA		1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	15.75	4.74
26 05 33 23-0492	EA		2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	19.51	4.74
26 05 33 23-0493	EA		3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	23.88	4.74
26 05 33 23-0494	EA		1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	22.49	4.74
26 05 33 23-0495	EA		1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	20.11	4.74
26 05 33 23-0496	EA		Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	14.65	4.74
26 05 33 23-0497			3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF		3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	4.17	1.46
			For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0499	EA		3/4" Wire Clip (Wiremold #2700WC)	1.73	0.73
26 05 33 23-0500	EA		Cover Clip (Wiremold #2706)	2.79	0.73
26 05 33 23-0501	EA		Blank End (Wiremold #2710B)	4.24	1.46
26 05 33 23-0502	EA		Flat 90 Degree Elbow (Wiremold #2711)	5.00	1.82
26 05 33 23-0503	EA		Tee (Wiremold #2715)	7.93	3.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	5.73	2.19
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	5.72	2.19
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	6.77	2.56
26 05 33 23-0507		**1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)** *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	5.40	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	2.57	1.09
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	3.61	1.09
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	5.07	1.82
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	6.60	2.56
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	7.11	2.56
26 05 33 23-0514	EA	Tee (Wiremold #2815)	9.52	4.01
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	7.31	2.92
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	7.33	2.92
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	10.21	4.01
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	7.93	2.92
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	7.84	2.92
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	8.25	3.29
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	7.45	2.92
26 05 33 23-0522		**1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)** *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	6.59	2.19
		For Concrete Or Masonry Surface, Add	*0.22*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	3.39	1.46
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	4.45	1.46
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	5.91	2.19
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	7.38	2.92
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	8.19	2.92
26 05 33 23-0529	EA	Tee (Wiremold #2915)	10.30	4.38
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	11.13	4.38
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	8.11	3.29
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	8.95	3.29
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	8.10	3.29
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	9.19	3.29
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	8.24	3.29
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	9.16	3.65
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	8.88	3.65
26 05 33 23-0538		**Two Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	10.15	3.29
		For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	9.60	3.29
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	18.89	3.29
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	15.22	3.29
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.39	0.36
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	6.05	0.36
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	3.71	0.36
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	9.19	3.65
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	5.22	1.82
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	7.03	2.19
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	9.96	3.65
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	9.25	3.65
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	10.71	3.65
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	19.21	7.30
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	19.96	7.30
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	16.57	6.94
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	32.76	11.31
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	22.39	9.12
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	20.45	7.30
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	13.88	5.47
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	22.34	9.12
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	20.65	7.30
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	9.06	3.65
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	11.22	3.29
		For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	4.14	0.36
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	2.62	0.36
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	4.15	1.82
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	7.27	2.19
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	6.02	2.19
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	5.31	2.19
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	41.81	11.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	20.02	6.94
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	40.01	11.31
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	36.86	9.12
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	42.26	11.31
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	44.42	11.31
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	34.33	11.31
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	34.87	11.31
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	35.37	11.31
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	17.20	3.65
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	23.09	3.65
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	12.85	3.65
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	36.39	11.31

26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) *(26 05 33 23-0538)*

26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	14.31	3.29
		For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	5.48	0.36
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	4.93	1.82
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	8.27	2.19
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	5.64	2.19
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	7.66	2.19
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	7.69	2.19
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	7.73	2.19
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	7.73	2.19
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	7.65	2.19
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	7.67	2.19
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	7.60	2.19
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	7.62	2.19
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	7.69	2.19
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	7.51	2.19
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	20.82	3.65
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	28.42	3.65
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	21.93	6.94
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	46.12	11.31
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	42.48	9.12
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	33.51	9.12
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	48.65	11.31
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	38.23	11.31
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	39.27	11.31
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	41.46	11.31
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	37.19	11.31
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	51.40	11.31

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	68.60	14.07
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	86.36	16.48

26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	114.30	17.83
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	130.90	19.76

26 05 39 00-0009 Junction Boxes *(26 05 39 00-0001)*

26 05 39 00-0010 One Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	174.22	27.99
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	197.24	29.99
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box. Note: Isolate each duct and form a continuous raceway through the box in both directions.	317.25	27.99
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	215.89	29.99
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	342.66	39.43
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	480.78	42.87

26 05 39 00-0017 Two Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level. Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	732.47	28.32
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	842.75	29.99

26 05 39 00-0020 Elbow Fittings *(26 05 39 00-0001)*

26 05 39 00-0021 90 Degree Horizontal Elbow *(26 05 39 00-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	85.09	10.31
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	87.65	10.31
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	47.78	10.31
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	48.80	10.31
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)*		
		Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	47.78	12.00
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	48.80	12.00
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	30.91	16.00
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	48.13	16.00
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	68.53	16.00
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	69.81	16.88
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	65.94	2.40
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	70.91	33.59
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	79.08	33.59
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	87.32	33.59
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	79.08	37.59
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	95.74	37.59
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	87.32	39.98
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	87.32	39.98
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	95.74	39.98
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	63.85	29.59
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	75.11	29.59
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	87.20	29.59
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	22.45	2.40
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	22.87	2.40
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	25.33	4.00
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	26.91	4.00
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	26.15	4.00
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	26.99	4.00
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	164.26	33.59
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	312.08	33.59
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	2.14	0.80
26 05 39 00-0066		**Underfloor Dust Pans** *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	70.85	4.38

26 05 43 Underground Ducts And Raceways For Electrical Systems *(26 05)*

26 05 43 00-0001 Duct Bank *(26 05 43)*

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0002		Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(26 05 43 00-0001)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	22.56	
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	45.14	
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	46.49	
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	93.25	
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	68.44	
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	137.60	
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	206.85	
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	128.34	
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	255.96	
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	393.94	
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	182.41	
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	366.15	
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	544.81	
26 05 43 00-0016		Polyvinyl Chloride (PVC), Type EB Duct Bank System *(26 05 43 00-0001)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	5.36	
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.74	
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.57	
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	7.12	
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.20	
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	28.82	
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.58	
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.17	
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.40	
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	57.57	
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	12.22	
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.42	
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	47.37	
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	67.39	
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.44	
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.19	
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	66.53	
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	107.10	
26 05 43 00-0035		Polyvinyl Chloride (PVC), Type DB Duct Bank System *(26 05 43 00-0001)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	5.96	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.98	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	24.89	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	7.41	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.80	
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	29.49	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.85	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.72	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.49	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	59.20	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.63	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.24	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	49.01	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	69.86	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.01	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.37	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	68.89	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	110.64	
26 05 43 00-0054		Male Or Female Adapters *(26 05 43 00-0001)*		
26 05 43 00-0055	EA	2" Adapter	27.92	
26 05 43 00-0056	EA	3" Adapter	40.74	
26 05 43 00-0057	EA	4" Adapter	52.81	
26 05 43 00-0058	EA	5" Adapter	82.36	
26 05 43 00-0059	EA	6" Adapter	101.52	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	703.79	207.87
		For Class 1 Pole, Add	*100.80*	
		For Class 2 Pole, Add	*57.60*	
		For Class 4 Pole, Deduct	*-28.80*	
		For Class 5 Pole, Deduct	*-86.40*	
		For Class 6 Pole, Deduct	*-115.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	852.29	230.63
		For Class 1 Pole, Add	*136.85*	
		For Class 2 Pole, Add	*78.20*	
		For Class 4 Pole, Deduct	*-39.10*	
		For Class 5 Pole, Deduct	*-117.30*	
		For Class 6 Pole, Deduct	*-156.40*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,101.65	305.01
		For Class 1 Pole, Add	*172.09*	
		For Class 2 Pole, Add	*98.34*	
		For Class 4 Pole, Deduct	*-49.17*	
		For Class 5 Pole, Deduct	*-147.51*	
		For Class 6 Pole, Deduct	*-196.68*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,268.00	335.49
		For Class 1 Pole, Add	*208.97*	
		For Class 2 Pole, Add	*119.41*	
		For Class 4 Pole, Deduct	*-59.71*	
		For Class 5 Pole, Deduct	*-179.12*	
		For Class 6 Pole, Deduct	*-238.82*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	1,454.49	373.66
		For Class 1 Pole, Add	*247.49*	
		For Class 2 Pole, Add	*141.42*	
		For Class 4 Pole, Deduct	*-70.71*	
		For Class 5 Pole, Deduct	*-212.13*	
		For Class 6 Pole, Deduct	*-282.84*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	1,658.17	419.35
		For Class 1 Pole, Add	*286.82*	
		For Class 2 Pole, Add	*163.90*	
		For Class 4 Pole, Deduct	*-81.95*	
		For Class 5 Pole, Deduct	*-245.84*	
		For Class 6 Pole, Deduct	*-327.79*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	1,859.10	461.25
		For Class 1 Pole, Add	*327.79*	
		For Class 2 Pole, Add	*187.31*	
		For Class 4 Pole, Deduct	*-93.66*	
		For Class 5 Pole, Deduct	*-280.97*	
		For Class 6 Pole, Deduct	*-374.62*	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,082.16	507.21
		For Class 1 Pole, Add	*373.68*	
		For Class 2 Pole, Add	*213.53*	
		For Class 4 Pole, Deduct	*-106.77*	
		For Class 5 Pole, Deduct	*-320.30*	
		For Class 6 Pole, Deduct	*-427.07*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	3,565.77	552.82
		For Class 1 Pole, Add	*861.03*	
		For Class 2 Pole, Add	*492.02*	
		For Class 4 Pole, Deduct	*-246.01*	
		For Class 5 Pole, Deduct	*-738.03*	
		For Class 6 Pole, Deduct	*-984.04*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	3,926.46	588.07
		For Class 1 Pole, Add	*962.60*	
		For Class 2 Pole, Add	*550.06*	
		For Class 4 Pole, Deduct	*-275.03*	
		For Class 5 Pole, Deduct	*-825.09*	
		For Class 6 Pole, Deduct	*-1,100.12*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	4,326.42	628.10
		For Class 1 Pole, Add	*1,074.56*	
		For Class 2 Pole, Add	*614.03*	
		For Class 4 Pole, Deduct	*-307.02*	
		For Class 5 Pole, Deduct	*-921.05*	
		For Class 6 Pole, Deduct	*-1,228.07*	

26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*

26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	17.71	

26 05 46 00-0016 Crossarms *(26 05 46)*

Note: Includes hardware and braces.

26 05 46 00-0017 Wood Single Arm Crossarms *(26 05 46 00-0016)*

26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	148.30	61.99
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	179.62	61.99
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	188.77	79.71

26 05 46 00-0021 Wood Double Arm Crossarms *(26 05 46 00-0016)*

26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	383.17	172.70
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	407.66	172.70
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	424.73	172.70

26 05 46 00-0025 Fiberglass Crossarms *(26 05 46 00-0016)*

Note: Includes hardware.

26 05 46 00-0026 Single Phase, 15 Degree Angle *(26 05 46 00-0025)*

26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	170.18	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	215.14	37.19
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	223.99	39.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0030		Two Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	268.25	47.83
26 05 46 00-0032		Fiberglass Crossarm Accessories *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	409.67	61.11
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	486.20	74.40
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	71.24	10.63
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	356.24	53.14
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	284.59	88.56
26 05 46 00-0038		Insulator Support System *(26 05 46 00-0016)*		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting *(26 05 46 00-0038)* Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	85.52	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	69.06	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	193.19	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	135.23	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting *(26 05 46 00-0038)* Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	59.89	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	51.98	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	176.11	
26 05 46 00-0048		Guying *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	612.11	247.98
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	623.13	247.98
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	645.81	247.98
26 05 46 00-0053	EA	Guy Guard, Plastic	24.92	
26 05 46 00-0054		Head Guy, 50' Spans *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	882.67	380.83
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	882.67	380.83
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	882.67	380.83
26 05 46 00-0058		Guy Strain Insulators Additional Insulators *(26 05 46 00-0048)* Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	375.96	185.99
26 05 46 00-0060		Insulators *(26 05 46)*		
26 05 46 00-0061		Pin Insulator With Pin *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	123.25	53.14
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	129.28	53.14
26 05 46 00-0064		Suspension Insulator *(26 05 46 00-0060)* Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	160.31	70.85
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	176.71	70.85
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	255.43	88.56
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	415.06	141.70
26 05 46 00-0069		Spool Insulator With Clevis *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	53.39	22.15
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	173.67	79.71
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	224.53	79.71
26 05 46 00-0073		Secondary Rack *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	105.58	44.28
26 05 46 00-0075	EA	2 Spool Secondary Rack	110.89	56.51
26 05 46 00-0076	EA	3 Spool Secondary Rack	165.71	75.28
26 05 46 00-0077	EA	4 Spool Secondary Rack	185.26	75.28
26 05 46 00-0078		Outdoor Load Break Switches *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		7.2 KV Outdoor Load Break Switches *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,899.10	301.12
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,778.39	301.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,598.46	509.25
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,781.59	509.25
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,802.86	301.12
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,228.81	301.12
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,598.46	509.25
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,781.59	509.25
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,284.98	349.84
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,089.21	349.84
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,075.24	602.24
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,264.37	602.24
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	2,299.61	376.40
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	2,571.52	398.54
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	2,790.03	442.83
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	3,087.31	487.11
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	4,186.70	531.39
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	3,856.28	677.96
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	4,379.27	743.57
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	5,156.35	831.05
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	5,815.03	918.53
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	4,517.18	1,115.35
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	8,206.95	1,312.18
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	9,705.30	1,487.14
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	11,700.39	1,837.05
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	13,119.28	2,012.01
26 05 46 00-0111		**Aluminum Tapered Poles** *(26 05 46)*		
26 05 46 00-0112		**Aluminum Tapered Round Seamless Shaft Poles** *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,234.86	332.12
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,125.77	354.26
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,595.27	398.54
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,266.67	442.83
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,469.64	487.11
26 05 46 00-0118		**Steel Service Poles Distribution** *(26 05 46)* Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		**Round Tapered Pole** *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	3,120.41	531.39
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	3,624.19	575.68
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	3,861.70	619.96
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	4,546.81	708.52
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	5,619.75	797.09
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	6,672.95	1,027.88
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	7,429.80	1,166.09
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	8,213.28	1,312.18
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	9,218.09	1,487.14
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	9,849.96	1,574.62
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	10,691.46	1,749.58
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	11,764.91	1,968.27
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	12,990.13	2,230.71
26 05 46 00-0133		**12 Sided Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,326.07	531.39
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,877.64	575.68
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,508.61	619.96
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,151.93	708.52
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,500.63	797.09
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,577.70	1,027.88
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,252.58	1,166.09
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,188.07	1,312.18
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,186.64	1,487.14
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,030.47	1,574.62
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,061.24	1,749.58
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,116.83	1,968.27
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,383.76	2,230.71
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,738.11	2,493.14

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0148		**Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	19.22	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	144.21	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	145.05	
26 05 46 00-0152		**Arms With Baseplates And Endplates** *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	497.86	88.56
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	541.35	88.56
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	674.09	132.84
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	712.13	132.84
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	843.52	177.13
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	886.98	177.13
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	1,176.71	221.42
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	1,225.51	221.42
26 05 46 00-0161		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0118)*		
26 05 46 00-0162	EA	15,000 LB Standard Vangs Load Bearing At Any Angle	213.00	88.56
26 05 46 00-0163	EA	30,000 LB Standard Vangs Load Bearing At Any Angle	239.64	88.56
26 05 46 00-0164	EA	45,000 LB Standard Vangs Load Bearing At Any Angle	276.07	88.56
26 05 46 00-0165		**Armless Construction Brackets** *(26 05 46 00-0118)*		
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	217.34	88.56
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	234.16	88.56
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	261.49	88.56
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	367.92	132.84
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	383.88	132.84
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	204.24	88.56
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	239.59	88.56
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	350.80	132.84
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	434.22	132.84
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	557.57	177.13
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	601.85	177.13
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	209.37	88.56
26 05 46 00-0181	EA	Pole Top Bracket - 5"	217.95	88.56
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	208.21	88.56
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	236.09	88.56
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	218.92	88.56
26 05 46 00-0187	EA	Static Wire Support Bracket	221.91	88.56
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	205.74	88.56
26 05 46 00-0190	EA	Equipment Mounting T Bracket	224.46	88.56
26 05 46 00-0191	EA	15 KV Cutout	310.15	
26 05 46 00-0192	EA	9/10 KV Arrestor	283.82	88.56
26 05 46 00-0193		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	240.42	88.56
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	230.86	88.56
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	562.46	88.56
26 05 46 00-0197		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)* Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,603.20	221.42
26 05 46 00-0199		**Octagonal Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,490.00	531.39
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,059.46	575.68
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,711.30	619.96
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,372.50	752.81
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	9,804.66	797.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	10,905.58	1,027.88
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,634.11	1,093.49
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,594.94	1,312.18
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,617.35	1,399.66
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,486.52	1,574.62
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,581.37	1,662.10
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,663.79	1,968.27
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	19,957.55	2,099.48
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,341.71	2,361.92

26 05 46 00-0214 Removal And Relocation Of Steel Service Poles *(26 05 46 00-0118)*

26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	31.00	

26 05 46 00-0216 Special Steel Bases For Poles *(26 05 46 00-0118)*

26 05 46 00-0217	EA	Spin-In Steel Base For Poles	176.87	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	195.50	44.28
26 05 46 00-0219	EA	Series 4, 40' Pole And less	232.55	50.92
26 05 46 00-0220	EA	Series 5, 50' Pole And less	265.18	55.35

26 05 46 00-0221 Primary Fuse Cutouts *(26 05 46)*

Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 05 46 00-0222 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 05 46 00-0221)*

Note: Includes the fuse and cut-out switch.

26 05 46 00-0223 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 05 46 00-0222)*

26 05 46 00-0224	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	473.54	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0225	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	562.11	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.85*	
26 05 46 00-0226	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	650.38	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.33*	
26 05 46 00-0227	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	661.80	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.42*	
26 05 46 00-0228	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	661.80	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.42*	

26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 05 46 00-0222)*

26 05 46 00-0230	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	473.54	177.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	

26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 05 46 00-0222)*

26 05 46 00-0232	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	488.58	177.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	

26 05 46 00-0233 Fuseholders *(26 05 46 00-0222)*

Note: Including current limiting fuse.

26 05 46 00-0234	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	410.14	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0235	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	498.71	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.85*	
26 05 46 00-0236	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	586.98	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.33*	
26 05 46 00-0237	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	415.35	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0238	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	503.92	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.85*	
26 05 46 00-0239	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	410.14	177.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	

26 05 46 00-0240 Accessories *(26 05 46 00-0222)*

26 05 46 00-0241	EA	Hot Line Clamp	59.80	19.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.28*	
26 05 46 00-0242	EA	Stirrup	64.58	19.93

26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts *(26 05 46 00-0221)*

Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.

26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 05 46 00-0243)*

26 05 46 00-0245	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	590.67	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0246	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	679.24	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.85*	
26 05 46 00-0247	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	767.51	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.33*	
26 05 46 00-0248	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	789.85	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.42*	
26 05 46 00-0249	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	789.85	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0250		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0243)*		
26 05 46 00-0251	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	590.67	177.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0252		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0243)*		
26 05 46 00-0253	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	590.67	177.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0254		**Fuseholders** *(26 05 46 00-0243)*		
		Note: Includes current limiting fuses.		
26 05 46 00-0255	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	415.51	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0256	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	504.08	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.85*	
26 05 46 00-0257	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	592.35	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.33*	
26 05 46 00-0258	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	415.51	221.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.28*	
26 05 46 00-0259		**Pole Mounted Capacitors** *(26 05 46 00-0243)*		
26 05 46 00-0260	EA	Capacitors - Pole Mounted 6 KVAR	1,024.70	178.55
26 05 46 00-0261		**Pole Structure Assemblies** *(26 05 46 00-0221)*		
26 05 46 00-0262		**5 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	357.85	168.28
26 05 46 00-0264	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	598.50	283.41
26 05 46 00-0265	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	654.52	221.42
26 05 46 00-0266	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	369.58	115.13
26 05 46 00-0267	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	473.20	159.42
26 05 46 00-0268	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	838.93	318.83
26 05 46 00-0269	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	654.78	239.13
26 05 46 00-0270	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,210.03	478.26
26 05 46 00-0271	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,373.09	540.25
26 05 46 00-0272	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	743.08	265.70
26 05 46 00-0273	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	645.78	283.41
26 05 46 00-0274	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,225.13	575.68
26 05 46 00-0275	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	909.00	345.40
26 05 46 00-0276	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	575.85	247.98
26 05 46 00-0277	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,094.84	504.83
26 05 46 00-0278	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	835.99	256.84
26 05 46 00-0279		**15 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	372.89	168.28
26 05 46 00-0281	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	619.99	283.41
26 05 46 00-0282	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	727.59	221.42
26 05 46 00-0283	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	395.37	115.13
26 05 46 00-0284	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	509.73	150.57
26 05 46 00-0285	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	912.00	318.83
26 05 46 00-0286	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	708.51	239.13
26 05 46 00-0287	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,319.64	478.26
26 05 46 00-0288	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,521.38	540.25
26 05 46 00-0289	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	816.15	265.70
26 05 46 00-0290	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	673.72	283.41
26 05 46 00-0291	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,253.07	575.68
26 05 46 00-0292	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	964.87	345.40
26 05 46 00-0293	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	603.79	239.13
26 05 46 00-0294	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,122.78	504.83
26 05 46 00-0295	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	891.86	309.98
26 05 46 00-0296		**25 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,071.90	265.70
26 05 46 00-0298	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	648.61	132.84
26 05 46 00-0299	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	942.15	203.70
26 05 46 00-0300	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,278.72	416.25
26 05 46 00-0301	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,195.37	309.98
26 05 46 00-0302	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,961.37	611.10
26 05 46 00-0303	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,897.68	690.81
26 05 46 00-0304	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,313.11	402.97
26 05 46 00-0305	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,150.53	402.97
26 05 46 00-0306		**50 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,440.21	363.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0308	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	779.85	185.99
26 05 46 00-0309	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,005.23	292.27
26 05 46 00-0310	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,898.69	593.39
26 05 46 00-0311	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,453.03	442.83
26 05 46 00-0312	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,800.76	885.65
26 05 46 00-0313	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,296.30	983.07
26 05 46 00-0314	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,674.25	478.26
26 05 46 00-0315	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,706.68	553.53
26 05 46 00-0316	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,641.55	522.54

26 05 46 00-0317 Overhead To Underground Conversion Structures *(26 05 46 00-0221)*

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 05 46 00-0318 5 KV Structures *(26 05 46 00-0317)*

Note: Excludes pole.

26 05 46 00-0319	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,566.54	1,771.31
26 05 46 00-0320	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,566.54	1,771.31
26 05 46 00-0321	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,566.54	1,771.31
26 05 46 00-0322	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,566.54	1,771.31

26 05 46 00-0323 15 KV Structures *(26 05 46 00-0317)*

Note: Excludes pole.

26 05 46 00-0324	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,667.66	1,771.31
26 05 46 00-0325	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,667.66	1,771.31
26 05 46 00-0326	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,667.66	1,771.31
26 05 46 00-0327	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,667.66	1,771.31

26 05 46 00-0328 25 KV Structures *(26 05 46 00-0317)*

Note: Excludes pole.

26 05 46 00-0329	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,777.98	1,771.31
26 05 46 00-0330	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,777.98	1,771.31
26 05 46 00-0331	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,777.98	1,771.31
26 05 46 00-0332	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,777.98	1,771.31

26 05 46 00-0333 Transformer Stations *(26 05 46 00-0221)*

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.

26 05 46 00-0334 5 KV Station *(26 05 46 00-0333)*

26 05 46 00-0335	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,903.17	2,360.48
26 05 46 00-0336	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,502.29	2,656.43
26 05 46 00-0337	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,101.40	2,952.17
26 05 46 00-0338	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	6,101.40	2,952.17
26 05 46 00-0339	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	4,903.17	2,360.48

26 05 46 00-0340 15 KV Stations *(26 05 46 00-0333)*

26 05 46 00-0341	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,004.30	2,360.48
26 05 46 00-0342	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,603.42	2,656.43
26 05 46 00-0343	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,202.52	2,952.17
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	6,202.52	2,952.17
26 05 46 00-0345	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	5,004.30	2,360.48

26 05 46 00-0346 25 KV Stations *(26 05 46 00-0333)*

26 05 46 00-0347	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,114.61	2,360.48
26 05 46 00-0348	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,713.73	2,656.43
26 05 46 00-0349	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,312.83	2,952.17
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	6,312.83	2,952.17
26 05 46 00-0351	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	5,114.61	2,360.48

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	8.78
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	9.18
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	9.98
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.14
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.30
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	10.54
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.25
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	12.56
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.80
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	13.05
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.54
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	14.08
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	14.55
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	15.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	16.43	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	17.30	
26 05 53 00-0018		**Labeling Electrical Wires** *(26 05 53)*		
		Note: Self-adhesive vinly coated white cloth		
26 05 53 00-0019	EA	Labeling Wire	2.52	
26 05 53 00-0020		**Equipment Labeling** *(26 05 53)*		
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	15.75	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	12.59	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	18.89	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	15.75	
26 05 83		**Wiring Connections** *(26 05)*		
26 05 83 00-0001		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	11.31	3.60
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	12.46	4.00
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	13.58	4.40
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	15.84	4.80
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.03	5.20
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	18.95	5.60
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.33	5.99
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	22.18	6.39
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	24.51	7.20
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	25.70	7.60
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	28.81	8.00
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	31.50	8.40
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	35.28	9.20
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	41.07	10.39
26 05 83 00-0016		**One Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	14.08	10.39
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	14.20	10.39
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	16.08	11.20
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	20.21	12.40
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	28.22	16.00
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	32.84	16.00
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	37.80	16.00
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	46.37	24.00
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	54.17	24.00
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	63.34	24.00
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	76.28	31.99
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	90.43	47.98
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	103.49	47.98
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	111.16	47.98
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	121.25	55.98
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	132.63	55.98
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	144.06	63.98
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volt	170.30	71.98
26 05 83 00-0035		**Two Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	28.88	13.59
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	31.10	14.47
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	32.69	14.47
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	37.63	16.64
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	46.19	20.80
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	53.99	24.72
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	63.14	28.95
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	76.05	35.11
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	90.16	41.67
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	103.18	47.58
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	110.84	51.27
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	120.86	55.50
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	132.19	60.62
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	144.72	65.74
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	179.95	79.98
26 05 83 00-0051		**Tape Wrapped Split Bolt Connectors** *(26 05 83)*		
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	42.64	31.99
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	46.88	34.39
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	53.51	35.99
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	62.36	39.98
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	73.87	43.98
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	83.65	47.98
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	104.85	51.98
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	112.53	55.98
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	118.71	59.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	136.63	65.98
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	154.54	95.97
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	169.70	79.98
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	184.85	107.97
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	207.23	111.97
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	236.92	119.96

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	73.45	31.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.79*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	81.38	31.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.04*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	112.40	47.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.66*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	127.11	47.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.76*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	152.53	59.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	213.96	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	735.22	295.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.72*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	209.57	40.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.27*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	233.45	40.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.53*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	28.87	14.47
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	31.10	14.47
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	32.69	14.47
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	37.63	16.64
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	46.19	20.80
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	53.99	24.72
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	63.14	28.95
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	76.05	35.11
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	90.16	41.67
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	103.17	47.58
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	110.84	51.27
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	120.86	55.50
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	132.19	60.62
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	132.58	60.62
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	28.87	14.47
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	31.10	14.47
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	32.69	14.47
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	37.63	16.64
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	46.19	20.80
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	53.99	24.72
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	63.14	28.95
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	76.05	35.11
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	90.16	41.67
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	103.17	47.58
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	110.84	51.27
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	120.86	55.50
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	132.19	60.62
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	132.58	60.62

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	22.41	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	26.91	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.25*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	31.09	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	40.58	17.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	54.65	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.40*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	64.98	27.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	75.86	31.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	86.23	35.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.53*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	98.49	39.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	110.55	43.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	122.57	47.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	134.50	51.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.16*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	146.64	55.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.59*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	166.28	63.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	188.19	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	39.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	38.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.11	3.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.19	3.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.27	3.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.19*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	57.38	20.00
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	56.79	20.00
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	65.50	24.00
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	78.78	29.99
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	79.95	29.99
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	80.18	29.99
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.03	29.99
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	104.50	39.98
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	108.82	39.98
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	138.50	49.99

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	56.79	20.00
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	65.50	24.00
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	78.78	29.99
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	79.95	29.99
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	80.18	29.99
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.03	29.99
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	104.50	39.98
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	108.82	39.98
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	138.50	49.99
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	144.34	49.99
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	187.34	59.98
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	196.22	59.98
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	270.88	79.98
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	340.05	99.97
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	397.11	119.96
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	477.48	139.95
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	550.40	159.95
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	680.71	199.93
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	800.89	237.92
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	955.71	277.51
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,326.90	416.19

26 05 83 00-0164 AC Three Phase, 460 Volt *(26 05 83 00-0130)*

26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	56.79	20.00
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	65.50	24.00
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	78.78	29.99
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	79.95	29.99
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	80.18	29.99
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.03	29.99
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	104.50	39.98
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	108.82	39.98
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	138.50	49.99
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	144.34	49.99
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	187.35	59.98
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	196.21	59.98
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	270.88	79.98

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	340.29	100.13
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	397.11	119.96
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	477.48	139.95
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	550.40	159.95
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	680.71	199.93
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	801.12	238.00
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	956.01	277.67
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,327.59	416.51
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	57.39	20.00
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	604.58	

26 09 Instrumentation and Control for Electrical Systems *(26)*

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001		Lighting Contactors *(26 09 23)* Note: Up to 600 volt.		
26 09 23 00-0002		Electrically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0003		NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0004		2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	313.99	63.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	387.23	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	722.25	111.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.18*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,122.17	151.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.17*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,324.16	199.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.96*	
26 09 23 00-0010		3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	354.56	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	424.70	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	782.86	127.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.78*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,212.43	167.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.77*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,495.50	219.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.96*	
26 09 23 00-0016		4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	416.93	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	499.47	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	945.69	143.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.37*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,448.34	183.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.36*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	3,181.00	239.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.96*	
26 09 23 00-0022		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0023		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	511.75	63.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 09 23 00-0025	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	649.43	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 09 23 00-0026	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,245.10	111.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.18*	
26 09 23 00-0027	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,864.79	151.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.17*	
26 09 23 00-0028	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,591.69	199.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.96*	
26 09 23 00-0029		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0030	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	531.65	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0031	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	686.89	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0032	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,307.25	127.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.78*	
26 09 23 00-0033	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,954.55	167.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.77*	
26 09 23 00-0034	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,762.51	219.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.96*	
26 09 23 00-0035		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0036	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	575.02	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0037	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	761.67	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0038	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,674.01	143.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.37*	
26 09 23 00-0039	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,394.38	183.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.36*	
26 09 23 00-0040	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	5,010.22	239.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.96*	
26 09 23 00-0041		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0042		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0041)*		
26 09 23 00-0043		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0044	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	458.12	63.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 09 23 00-0045	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	521.14	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 09 23 00-0046	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	982.91	111.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.18*	
26 09 23 00-0047	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,369.03	151.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.17*	
26 09 23 00-0048	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,125.57	199.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.96*	
26 09 23 00-0049		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0050	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	490.31	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 09 23 00-0051	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	559.63	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0052	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,045.06	127.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.78*	
26 09 23 00-0053	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,459.80	167.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.77*	
26 09 23 00-0054	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,514.11	219.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.96*	
26 09 23 00-0055		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0056	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	529.77	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0057	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	597.09	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0058	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,221.69	143.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.37*	
26 09 23 00-0059	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,710.53	183.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.36*	
26 09 23 00-0060	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	4,237.95	239.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.96*	
26 09 23 00-0061		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0041)*		
26 09 23 00-0062		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0063	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	681.02	63.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 09 23 00-0064	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	783.33	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 09 23 00-0065	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,507.30	111.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.18*	
26 09 23 00-0066	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,111.65	151.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.17*	
26 09 23 00-0067	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,392.07	199.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.96*	
26 09 23 00-0068		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0069	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	720.47	71.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0070	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	821.82	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0071	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,569.44	127.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.78*	
26 09 23 00-0072	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,202.94	167.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.77*	
26 09 23 00-0073	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,781.64	219.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.96*	
26 09 23 00-0074		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0075	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	762.72	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0076	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	859.29	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0077	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,950.00	143.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.37*	
26 09 23 00-0078	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,656.58	183.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.36*	
26 09 23 00-0079	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	6,029.86	239.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.96*	
26 09 23 00-0080		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0081		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0082		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0083		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0082)*		
26 09 23 00-0084	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	877.43	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0085	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,376.28	140.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.45*	
26 09 23 00-0086	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,214.04	184.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.85*	
26 09 23 00-0087	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,023.46	241.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.16*	
26 09 23 00-0088		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0089		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0088)*		
26 09 23 00-0090	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,575.85	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0091	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,452.65	140.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.45*	
26 09 23 00-0092	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,092.33	184.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.85*	
26 09 23 00-0093	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	6,426.13	241.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.16*	
26 09 23 00-0094		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0095		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0096		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0095)*		
26 09 23 00-0097	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	957.16	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0098	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,652.27	140.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.45*	
26 09 23 00-0099	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,475.47	184.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.85*	
26 09 23 00-0100	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,766.34	241.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.16*	
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0101)*		
26 09 23 00-0103	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,656.35	87.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 09 23 00-0104	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,730.18	140.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.45*	
26 09 23 00-0105	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,354.52	184.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.85*	
26 09 23 00-0106	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,169.01	241.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.16*	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0108	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	111.16	20.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 09 23 00-0109	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	122.68	20.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,023.43	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	1,316.70	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	1,615.19	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.99*	
26 09 23 00-0114		Dimming Module Contol (Leviton) *(26 09 23)*		
26 09 23 00-0115	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	132.37	10.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 09 23 00-0116		Light Control Panels *(26 09 23)*		
26 09 23 00-0117		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0116)*		
26 09 23 00-0118		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,431.21	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.29*	
26 09 23 00-0120	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,337.45	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0121	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,508.96	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0122	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	2,276.48	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0123	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	2,477.84	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0124	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	1,596.15	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.29*	
26 09 23 00-0125	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	1,712.77	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0126	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	1,913.92	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0127	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	2,356.95	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0128	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	2,558.30	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0129		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0117)*		
26 09 23 00-0130	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	135.67	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 09 23 00-0131	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	104.22	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0132	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	52.48	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0133		Lighting Control Panels (Synergy) *(26 09 23 00-0116)*		
26 09 23 00-0134		Lighting Control Panels (Synergy) *(26 09 23 00-0133)*		
26 09 23 00-0135	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	1,622.52	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0136		Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0133)*		
26 09 23 00-0137	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	395.68	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	

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26 09 23 00-0138	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	153.32	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0139	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	88.65	12.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 09 23 00-0140		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0116)*		
26 09 23 00-0141		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0140)*		
26 09 23 00-0142	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	1,325.71	120.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.10*	
26 09 23 00-0143	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	1,808.83	128.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.91*	
26 09 23 00-0144	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	2,361.02	136.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 09 23 00-0145		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0116)*		
26 09 23 00-0146	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	894.50	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.29*	
26 09 23 00-0147	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,016.35	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.29*	
26 09 23 00-0148	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,138.20	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.29*	
26 09 23 00-0149		**Power Filters** *(26 09 23 00-0116)*		
26 09 23 00-0150	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	35,817.36	666.44
26 09 23 00-0151	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	21,270.18	289.75
26 09 23 00-0152		**Signal Filters** *(26 09 23 00-0116)*		
26 09 23 00-0153	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	16,155.00	605.90
26 09 23 00-0154	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	11,085.84	370.29
26 09 23 00-0155	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	6,177.39	214.97
26 09 23 00-0156	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	8,476.35	214.97
26 09 23 00-0157		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0158	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	9,245.82	80.11
26 09 23 00-0159	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	4,236.08	80.11
26 09 23 00-0160	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	2,212.89	80.11
26 09 23 00-0161	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	9,300.10	80.11
26 09 23 00-0162	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	75.14	10.01
26 09 23 00-0163	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	115.23	10.01
26 09 23 00-0164	EA	Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	146.57	20.03
26 09 23 00-0165	EA	Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	176.04	20.03
26 09 23 00-0166	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	95.16	20.03
26 09 23 00-0167	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	135.25	20.03
26 09 23 00-0168	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	338.48	40.05
26 09 23 00-0169	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	256.13	40.05
26 09 23 00-0170	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	463.14	40.05
26 09 23 00-0171	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	163.07	40.05
26 09 23 00-0172	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	518.29	40.05
26 09 23 00-0173	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	5,384.47	160.23
26 09 23 00-0174	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	3,970.86	40.05
26 09 23 00-0175	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	150.35	10.01
26 09 23 00-0176	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	182.92	10.01
26 09 23 00-0177	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	175.06	10.01
26 09 23 00-0178	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	182.92	10.01
26 09 23 00-0179	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	175.06	10.01
26 09 23 00-0180	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	132.75	10.01

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26 09 23 00-0181	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	182.92	10.01
26 09 23 00-0182	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	175.06	10.01
26 09 23 00-0183	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	129.58	10.01
26 09 23 00-0184	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	56.30	10.01
26 09 23 00-0185	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	48.29	20.03
26 09 23 00-0186	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	48.64	20.03
26 09 23 00-0187	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	51.41	20.03
26 09 23 00-0188	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	54.15	20.03
26 09 23 00-0189	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	57.42	20.03
26 09 23 00-0190	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	60.37	20.03
26 09 23 00-0191	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	63.99	20.03
26 09 23 00-0192	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	80.37	20.03
26 09 23 00-0193	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	494.27	20.03
26 09 23 00-0194	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	123.15	20.03
26 09 23 00-0195	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	636.88	20.03
26 09 23 00-0196	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	378.53	40.05
26 09 23 00-0197	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	378.53	40.05
26 09 23 00-0198	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	378.53	40.05
26 09 23 00-0199	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	201.08	40.05
26 09 23 00-0200	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	195.13	40.05
26 09 23 00-0201	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	199.10	40.05
26 09 23 00-0202	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	218.93	40.05
26 09 23 00-0203	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	199.10	40.05
26 09 23 00-0204	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	159.44	40.05
26 09 23 00-0205	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	168.51	40.05
26 09 23 00-0206	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	168.51	40.05
26 09 23 00-0207	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	92.96	40.05
26 09 23 00-0208	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	204.01	40.05
26 09 23 00-0209	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	284.85	40.05
26 09 23 00-0210	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	250.66	40.05
26 09 23 00-0211	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	266.52	40.05
26 09 23 00-0212	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	274.46	40.05
26 09 23 00-0213	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	248.67	40.05
26 09 23 00-0214	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	209.02	40.05
26 09 23 00-0215	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	259.19	40.05
26 09 23 00-0216	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	257.11	40.05
26 09 23 00-0217	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	284.17	40.05
26 09 23 00-0218	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	275.85	40.05
26 09 23 00-0219	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	296.18	40.05
26 09 23 00-0220	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	275.93	40.05
26 09 23 00-0221	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	275.93	40.05
26 09 23 00-0222	EA	10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	184.54	40.05
26 09 23 00-0223	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	197.01	40.05
26 09 23 00-0224	EA	20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	338.21	40.05
26 09 23 00-0225	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	361.09	40.05
26 09 23 00-0226	EA	10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	268.76	40.05
26 09 23 00-0227	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	279.82	40.05
26 09 23 00-0228	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	794.84	80.11
26 09 23 00-0229	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	2,499.39	320.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0230	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	3,614.50	320.45
26 09 23 00-0231	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	4,729.59	320.45
26 09 23 00-0232	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	397.41	40.05
26 09 23 00-0233	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	454.08	40.05
26 09 23 00-0234	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	1,213.34	40.05
26 09 23 00-0235	EA	Wireless Control Module (Encelium EN-WCM-ZB)	168.48	20.03
26 09 23 00-0236	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	198.70	20.03
26 09 23 00-0237	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	199.46	20.03
26 09 23 00-0238	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	206.58	20.03
26 09 23 00-0239	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0240	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0241	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0242	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0243	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0244	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	153.37	10.01
26 09 23 00-0245	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.42	40.05
26 09 23 00-0246	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	208.54	40.05
26 09 23 00-0247	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	208.54	40.05
26 09 23 00-0248	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	238.76	40.05
26 09 23 00-0249	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	238.76	40.05
26 09 23 00-0250	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0251	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0252	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0253	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0254	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0255	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	153.37	10.01
26 09 23 00-0256	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.42	40.05
26 09 23 00-0257	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	148.46	10.01
26 09 23 00-0258	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	148.46	10.01
26 09 23 00-0259	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	148.46	10.01
26 09 23 00-0260	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	153.37	10.01
26 09 23 00-0261	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.42	40.05
26 09 23 00-0262	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	208.54	40.05
26 09 23 00-0263	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	208.54	40.05
26 09 23 00-0264	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	238.76	40.05
26 09 23 00-0265	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	238.76	40.05
26 09 23 00-0266	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0267	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0268	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0269	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0270	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	148.46	10.01
26 09 23 00-0271	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	153.37	10.01
26 09 23 00-0272	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	329.42	40.05
26 09 23 00-0273	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	97.48	40.05
26 09 23 00-0274	EA	Emergency Lighting Control Unit (WattStopper ELCU-200)	188.64	36.06
26 09 23 00-0275	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	428.89	40.05
26 09 23 00-0276		**Lighting Control Sensors** *(26 09 23)*		
26 09 23 00-0277	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	227.98	18.02
26 09 23 00-0278	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	227.98	18.02
26 09 23 00-0279	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	200.12	18.02
26 09 23 00-0280	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	60.79	12.02
26 09 23 00-0281	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	5.17	
26 09 23 00-0282	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	39.34	
26 09 23 00-0283	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	7.20	
26 09 23 00-0284		**Radio Controlled Devices (Lutron)** *(26 09 23)*		
26 09 23 00-0285		**Tabletop Transmitters For Radio Controlled Devices** *(26 09 23 00-0284)*		
26 09 23 00-0286		**Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0287	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	297.58	12.02
26 09 23 00-0288	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	386.40	12.02
26 09 23 00-0289	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	486.32	12.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
26 09 23 00-0290		**Dimmable Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0291	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	297.58	12.02
26 09 23 00-0292	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	353.09	12.02
26 09 23 00-0293	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	486.32	12.02
26 09 23 00-0294	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	297.58	12.02
26 09 23 00-0295	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	386.40	12.02
26 09 23 00-0296	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	486.32	12.02
26 09 23 00-0297		**Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0298	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	386.40	12.02
26 09 23 00-0299	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	486.32	12.02
26 09 23 00-0300	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	486.32	12.02
26 09 23 00-0301		**Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0302	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	297.58	12.02
26 09 23 00-0303	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	386.40	12.02
26 09 23 00-0304	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	353.09	12.02
26 09 23 00-0305	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	430.80	12.02
26 09 23 00-0306	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	386.40	12.02
26 09 23 00-0307	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	464.11	12.02
26 09 23 00-0308	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	386.40	12.02
26 09 23 00-0309		**Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0310	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	297.58	12.02
26 09 23 00-0311	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	386.40	12.02
26 09 23 00-0312	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	386.40	12.02
26 09 23 00-0313	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	486.32	12.02
26 09 23 00-0314	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	386.40	12.02
26 09 23 00-0315	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	486.32	12.02
26 09 23 00-0316		**Output Switch Closure Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0317	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	297.58	12.02
26 09 23 00-0318	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	386.40	12.02
26 09 23 00-0319	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	486.32	12.02
26 09 23 00-0320		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0285)*		
26 09 23 00-0321	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	64.44	12.02
26 09 23 00-0322		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0284)*		
26 09 23 00-0323	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	275.38	12.02
26 09 23 00-0324	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	297.58	12.02
26 09 23 00-0325	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	297.58	12.02
26 09 23 00-0326	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	297.58	12.02
26 09 23 00-0327	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	297.58	12.02
26 09 23 00-0328	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	297.58	12.02
26 09 23 00-0329		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0284)*		
26 09 23 00-0330	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	275.38	12.02
26 09 23 00-0331	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	275.38	12.02
26 09 23 00-0332	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	275.38	12.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0333	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	557.37	12.02
26 09 23 00-0334	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	797.17	12.02
26 09 23 00-0335	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	797.17	12.02
26 09 23 00-0336		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0284)*		
26 09 23 00-0337	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	353.09	12.02
26 09 23 00-0338	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	397.50	12.02
26 09 23 00-0339	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	464.11	12.02
26 09 23 00-0340		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0284)*		
26 09 23 00-0341	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	519.62	12.02
26 09 23 00-0342	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	713.91	12.02
26 09 23 00-0343		**Occupancy Sensors (Watt Stopper)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0344		**Occupancy Sensors** *(26 09 23 00-0343)* Note: Exclude boxes.		
26 09 23 00-0345		**Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0344)*		
26 09 23 00-0346		**Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0345)*		
26 09 23 00-0347	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	100.75	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0348	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	119.51	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0349		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0345)*		
26 09 23 00-0350	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	82.61	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0351	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	76.92	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0352	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	87.54	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0353	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	101.88	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0354	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	100.70	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0355		**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0345)*		
26 09 23 00-0356	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	148.09	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0357	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	159.96	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0358		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0345)*		
26 09 23 00-0359	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.14	2.00
26 09 23 00-0360	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.09	2.00
26 09 23 00-0361	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.09	2.00
26 09 23 00-0362		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0344)*		
26 09 23 00-0363		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0362)*		
26 09 23 00-0364		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0363)*		
26 09 23 00-0365	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	129.99	18.02
26 09 23 00-0366	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	150.39	18.02
26 09 23 00-0367	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	170.96	18.02
26 09 23 00-0368	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	169.10	18.02
26 09 23 00-0369		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0363)*		
26 09 23 00-0370	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	142.07	18.02
26 09 23 00-0371	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	162.77	18.02
26 09 23 00-0372	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	182.37	18.02
26 09 23 00-0373	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	185.69	18.02
26 09 23 00-0374	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	154.44	18.02
26 09 23 00-0375	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	175.65	18.02
26 09 23 00-0376	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	196.79	18.02
26 09 23 00-0377	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	202.87	18.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0378		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0363)*		
26 09 23 00-0379	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	148.05	18.02
26 09 23 00-0380	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	172.78	18.02
26 09 23 00-0381	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	193.48	18.02
26 09 23 00-0382	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	138.93	18.02
26 09 23 00-0383	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	170.10	18.02
26 09 23 00-0384	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	180.20	18.02
26 09 23 00-0385	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	149.33	18.02
26 09 23 00-0386	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	167.28	18.02
26 09 23 00-0387	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	189.44	18.02
26 09 23 00-0388		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0362)*		
26 09 23 00-0389	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	106.17	18.02
26 09 23 00-0390	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	108.57	18.02
26 09 23 00-0391	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	114.28	18.02
26 09 23 00-0392	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	129.60	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0393	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	131.46	18.02
26 09 23 00-0394	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	139.47	18.02
26 09 23 00-0395	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	152.30	18.02
26 09 23 00-0396		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0362)*		
26 09 23 00-0397	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	182.19	18.02
26 09 23 00-0398	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	209.33	18.02
26 09 23 00-0399	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	176.43	18.02
26 09 23 00-0400		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0344)*		
26 09 23 00-0401		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0402	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	225.59	18.02
26 09 23 00-0403	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	225.59	18.02
26 09 23 00-0404		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0405	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	209.33	18.02
26 09 23 00-0406		**Occupancy Sensor Power Packs** *(26 09 23 00-0343)*		
26 09 23 00-0407		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0406)*		
26 09 23 00-0408	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	69.99	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0409	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	63.10	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0410		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0406)*		
26 09 23 00-0411	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	57.42	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0412		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0406)*		
26 09 23 00-0413	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	78.21	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0414		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0406)*		
26 09 23 00-0415	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	70.31	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0416	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	70.37	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0417		**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0406)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0418	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	90.29	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0419	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	91.65	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0420		**Occupancy Sensor Power Supplies** *(26 09 23 00-0406)*		
26 09 23 00-0421	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-100)	85.20	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0422	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	191.29	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0423		**Intelligent, Occupancy Sensor Power Packs** *(26 09 23 00-0406)*		
26 09 23 00-0424	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	255.36	16.02
26 09 23 00-0425		**DIN Rail Mounted, Occupancy Sensor Power Packs** *(26 09 23 00-0406)*		
26 09 23 00-0426	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	77.42	16.02
26 09 23 00-0427		**Occupancy Sensor Accessories** *(26 09 23 00-0343)*		
26 09 23 00-0428		**Protective Cages For Occupancy Sensors** *(26 09 23 00-0427)*		
26 09 23 00-0429	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	45.86	6.00
26 09 23 00-0430		**Mounting Brackets For Occupancy Sensors** *(26 09 23 00-0427)*		
26 09 23 00-0431	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	33.55	10.01
26 09 23 00-0432		**Occupancy/Lighting Logger** *(26 09 23 00-0427)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0433	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	345.07	34.05
26 09 23 00-0434		**Remove And Reinstall Occupancy Sensors** *(26 09 23 00-0427)*		
26 09 23 00-0435	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	54.08	
26 09 23 00-0436	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	24.04	
26 09 23 00-0437		**Digital Time Light Switches** *(26 09 23 00-0343)*		
26 09 23 00-0438	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	74.23	8.01
26 09 23 00-0439		**Occupancy Sensors (Sensor Switch)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0440		**Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0439)* Note: Exclude boxes		
26 09 23 00-0441		**Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0440)*		
26 09 23 00-0442		**Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0441)*		
26 09 23 00-0443	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	127.04	8.01
26 09 23 00-0444	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	90.03	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0445	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	85.96	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0446	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	85.96	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0447	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	108.54	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0448	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	108.54	8.01
26 09 23 00-0449	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	131.67	8.01
26 09 23 00-0450	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	108.54	8.01
26 09 23 00-0451		**Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0441)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0452	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	164.05	8.01
26 09 23 00-0453	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	127.04	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0454	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	124.27	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0455	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	124.27	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	

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26 09 23 00-0456	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	145.54	8.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 09 23 00-0457	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	145.54	8.01
26 09 23 00-0458	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	156.65	8.01
26 09 23 00-0459		Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0441)*		
26 09 23 00-0460	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	11.41	2.00
26 09 23 00-0461	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	11.41	2.00
26 09 23 00-0462	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	22.51	2.00
26 09 23 00-0463	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	22.51	2.00
26 09 23 00-0464		360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0440)*		
26 09 23 00-0465		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0464)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0466	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	147.08	18.02
26 09 23 00-0467	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	147.08	18.02
26 09 23 00-0468	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	147.08	18.02
26 09 23 00-0469	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	156.33	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0470	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	156.33	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0471	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	126.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0472	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	193.34	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0473	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	193.34	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0474	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	163.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0475	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	147.08	18.02
26 09 23 00-0476	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	147.08	18.02
26 09 23 00-0477	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	147.08	18.02
26 09 23 00-0478	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	156.33	18.02
26 09 23 00-0479	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	156.33	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0480	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	126.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0481	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	193.34	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0482	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	193.34	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0483	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	163.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0484		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0464)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0485	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	184.09	18.02
26 09 23 00-0486	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	184.09	18.02
26 09 23 00-0487	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	184.09	18.02
26 09 23 00-0488	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	174.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0489	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	174.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0490	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	145.23	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0491	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	211.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0492	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	211.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0493	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	182.24	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0494	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	184.09	18.02
26 09 23 00-0495	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	184.09	18.02
26 09 23 00-0496	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	184.09	18.02
26 09 23 00-0497	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	174.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0498	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	174.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0499	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	145.23	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0500	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	211.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0501	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	211.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0502	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	182.24	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 09 23 00-0503 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0440)*

26 09 23 00-0504 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)*

26 09 23 00-0505	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	147.08	18.02
26 09 23 00-0506	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	165.58	18.02
26 09 23 00-0507	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	202.59	18.02
26 09 23 00-0508	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	193.34	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0509	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	230.35	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 09 23 00-0510 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0511	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	184.09	18.02
26 09 23 00-0512	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	211.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0513	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	248.85	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 09 23 00-0514 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0440)*

26 09 23 00-0515 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0514)*

26 09 23 00-0516	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	147.08	18.02
26 09 23 00-0517	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	147.08	18.02
26 09 23 00-0518	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	147.08	18.02
26 09 23 00-0519	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	126.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0520	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	126.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0521	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	126.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0522	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	163.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0523	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	163.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0524	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	163.73	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0525	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	139.68	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0526	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	139.68	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0527	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	139.68	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0528	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	139.68	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0529	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	139.68	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0530	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	139.68	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	165.58	18.02
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	165.58	18.02
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	165.58	18.02
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	200.74	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	200.74	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	200.74	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	176.69	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	176.69	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0539	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	148.93	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0540	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	148.93	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0541	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	148.93	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0542	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	148.93	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0543	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	165.58	18.02
26 09 23 00-0544	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	165.58	18.02
26 09 23 00-0545	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	200.74	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0546	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	200.74	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0547	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	193.34	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0548	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	174.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0549	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	174.84	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 09 23 00-0550 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0439)*

26 09 23 00-0551	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	83.86	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0552	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	120.87	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0553	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	65.36	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0554	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	59.81	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0555	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	78.31	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0556	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	124.57	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0557	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	124.57	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0558	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	124.57	16.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.62*	
26 09 23 00-0559			Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0439)*		
26 09 23 00-0560			Remove And Reinstall Occupancy Sensors *(26 09 23 00-0559)*		
	26 09 23 00-0561	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	24.04	
	26 09 23 00-0562	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	54.08	
26 09 23 00-0563			Daylighting Control (Sensor Switch) *(26 09 23 00-0439)*		
	26 09 23 00-0564	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	128.58	18.02
	26 09 23 00-0565	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	128.58	18.02
	26 09 23 00-0566	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	128.58	18.02
	26 09 23 00-0567	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	128.58	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0568	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	128.58	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0569	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	128.58	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0570	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	128.58	18.02
	26 09 23 00-0571	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	128.58	18.02
	26 09 23 00-0572	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	128.58	18.02
	26 09 23 00-0573	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	128.58	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0574	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	128.58	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0575	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	128.58	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0576	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	184.09	18.02
	26 09 23 00-0577	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	184.09	18.02
	26 09 23 00-0578	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	184.09	18.02
	26 09 23 00-0579	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	184.09	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0580	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	184.09	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
	26 09 23 00-0581	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	184.09	18.02
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 09 23 00-0582			Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0583			Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0582)* Note: Excludes boxes.		
26 09 23 00-0584			Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0583)*		
26 09 23 00-0585			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0584)* Note: Includes passive infrared and microphonics detection		
	26 09 23 00-0586	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	196.72	8.01
26 09 23 00-0587			360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0583)*		
26 09 23 00-0588			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0587)* Note: One photocell or dimming option per occupancy sensor		
	26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	234.62	18.02
	26 09 23 00-0590	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	234.62	18.02
	26 09 23 00-0591	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	234.62	18.02
26 09 23 00-0592			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0587)* Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
	26 09 23 00-0593	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	274.34	18.02
	26 09 23 00-0594	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	274.34	18.02
	26 09 23 00-0595	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	284.25	18.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0596		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0583)*		
26 09 23 00-0597		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0596)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0598	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	274.34	18.02
26 09 23 00-0599		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0583)*		
26 09 23 00-0600		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0599)*		
26 09 23 00-0601	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	234.62	18.02
26 09 23 00-0602		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0582)*		
26 09 23 00-0603	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	81.69	16.02
26 09 23 00-0604	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	101.56	16.02
26 09 23 00-0605	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	135.30	16.02
26 09 23 00-0606	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	135.30	16.02
26 09 23 00-0607		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0582)*		
26 09 23 00-0608	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	284.25	18.02
26 09 23 00-0609	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	383.56	18.02
26 09 23 00-0610		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0582)*		
26 09 23 00-0611	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	194.91	18.02
26 09 23 00-0612		Controls (Sensor Switch nLight®) *(26 09 23 00-0582)*		
26 09 23 00-0613	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	129.39	18.02
26 09 23 00-0614	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	185.00	18.02
26 09 23 00-0615	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	423.26	18.02
26 09 23 00-0616	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	423.26	18.02
26 09 23 00-0617	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	1,574.94	18.02
26 09 23 00-0618		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0619		Wireless Occupancy Sensors *(26 09 23 00-0618)*		
26 09 23 00-0620	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	97.22	18.02
26 09 23 00-0621	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	101.31	18.02
26 09 23 00-0622	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	98.19	18.02
26 09 23 00-0623	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	103.63	18.02
26 09 23 00-0624	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	99.41	18.02
26 09 23 00-0625	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	103.63	18.02
26 09 23 00-0626	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	97.22	18.02
26 09 23 00-0627	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	99.41	18.02
26 09 23 00-0628	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	98.19	18.02
26 09 23 00-0629	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	149.37	18.02
26 09 23 00-0630	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	159.12	18.02
26 09 23 00-0631	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	181.05	18.02
26 09 23 00-0632	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	190.80	18.02
26 09 23 00-0633	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	195.67	18.02
26 09 23 00-0634	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	205.42	18.02
26 09 23 00-0635	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	118.66	18.02
26 09 23 00-0636	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	125.00	18.02
26 09 23 00-0637	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	145.72	18.02
26 09 23 00-0638	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	161.56	18.02
26 09 23 00-0639	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	173.74	18.02
26 09 23 00-0640	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	150.59	18.02
26 09 23 00-0641	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	138.72	18.02
26 09 23 00-0642	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	116.71	18.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0643	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	142.67	18.02
26 09 23 00-0644	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	172.38	18.02
26 09 23 00-0645	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	182.70	18.02
26 09 23 00-0646	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	182.70	18.02
26 09 23 00-0647	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	182.70	18.02
26 09 23 00-0648	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	192.16	18.02
26 09 23 00-0649	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	310.95	26.03
26 09 23 00-0650		**Nodes And Modules** *(26 09 23 00-0618)*		
26 09 23 00-0651	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	155.46	18.02
26 09 23 00-0652	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	155.46	18.02
26 09 23 00-0653	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	195.67	18.02
26 09 23 00-0654	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	195.67	18.02
26 09 23 00-0655	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	249.62	20.03
26 09 23 00-0656	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	249.62	20.03
26 09 23 00-0657	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	302.02	20.03
26 09 23 00-0658	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	309.33	20.03
26 09 23 00-0659	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	381.22	20.03
26 09 23 00-0660	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	404.38	20.03
26 09 23 00-0661	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	427.53	20.03
26 09 23 00-0662	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,151.62	32.05
26 09 23 00-0663	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,132.22	36.06
26 09 23 00-0664	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,658.10	40.05
26 09 23 00-0665		**Other Accessories** *(26 09 23 00-0618)*		
26 09 23 00-0666	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	26.22	
26 09 23 00-0667	EA	Pico® Wireless Control (Lutron® PJ)	31.51	
26 09 23 00-0668	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	93.29	
26 09 23 00-0669	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	177.37	
26 09 23 00-0670	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	188.64	18.02
26 09 23 00-0671	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	238.03	18.02
26 09 23 00-0672	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	238.03	18.02
26 09 23 00-0673	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	388.54	20.03
26 09 23 00-0674	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	531.10	20.03
26 09 23 00-0675	EA	Control Interface (Lutron® QSE-CI-NWK-E)	638.00	18.02
26 09 23 00-0676	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	633.14	18.02
26 09 23 00-0677	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	846.38	18.02
26 09 23 00-0678	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,485.20	559.83
26 09 23 00-0679	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	1,972.61	559.83
26 09 23 00-0680		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0681	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	93.32	18.02
26 09 23 00-0682	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	82.11	18.02
26 09 23 00-0683	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	102.58	18.02
26 09 23 00-0684	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	82.11	18.02
26 09 23 00-0685	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	132.29	8.00
26 09 23 00-0686		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0687		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0686)*		
26 09 23 00-0688		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0687)* Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0689	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	200.98	
26 09 23 00-0690	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	280.41	
26 09 23 00-0691		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0687)*		
26 09 23 00-0692	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	36.19	
26 09 23 00-0693	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	8,031.64	44.52
26 09 23 00-0694		**Emergency Lighting Controls** *(26 09 23)*		
26 09 23 00-0695		**Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0694)* Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0696	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	170.80	20.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0697	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	170.80	20.03
26 09 23 00-0698		**Emergency Shunt Relays (Lighting Control & Design GR 2001™)** *(26 09 23 00-0694)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0699	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	235.46	28.04
26 09 23 00-0700	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	320.26	32.05
26 09 23 00-0701	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	430.84	36.06
26 09 23 00-0702		**Photocells** *(26 09 23)*		
26 09 23 00-0703	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	60.11	
26 09 23 00-0704	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	140.69	
26 09 23 00-0705		**Outdoor Lighting Motion Sensors** *(26 09 23)*		
26 09 23 00-0706	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	78.61	20.03
26 09 23 00-0707	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	85.60	20.03
26 09 23 00-0708	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	345.19	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 09 23 00-0709		**Street Light Controls** *(26 09 23)*		
26 09 23 00-0710		**Photo Controls** *(26 09 23 00-0709)*		
26 09 23 00-0711	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	74.81	
26 09 23 00-0712	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	88.10	
26 09 23 00-0713		**Connector Node** *(26 09 23 00-0709)*		
26 09 23 00-0714	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	312.23	2.39

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		**"Switchyard" Substation Primary Incoming Section** *(26 11 13)*		
26 11 13 00-0002		**Outdoor Oil Circuit Breakers "Switchyard"** *(26 11 13 00-0001)* Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	45,190.23	1,392.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*850.06*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	55,428.88	1,761.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,062.58*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	62,841.29	1,761.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,062.58*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	72,290.49	1,761.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,133.42*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	82,006.73	2,171.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,307.79*	
26 11 13 00-0008		**Accessories For Outdoor Oil Circuit Breakers** *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,215.51	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.44*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	374.08	105.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.65*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	565.81	105.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.84*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	447.20	105.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.65*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	1,672.81	357.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.96*	
26 11 13 00-0014		**"Switchyard", Substation Transformer Section** *(26 11 13)* Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015		**14.4 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	25,905.62	1,392.87
		For 50 Hz Operation, Add	*2,768.65*	
		For Forced Air Cooling, Add	*2,768.65*	
		For External Control Panel, Add	*692.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*230.72*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,153.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,884.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,460.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	29,589.34	1,745.18
		For 50 Hz Operation, Add	*3,125.69*	
		For Forced Air Cooling, Add	*3,125.69*	
		For External Control Panel, Add	*781.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*260.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,302.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,255.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,907.11*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	45,568.46	2,458.01
		For 50 Hz Operation, Add	*4,863.73*	
		For Forced Air Cooling, Add	*4,863.73*	
		For External Control Panel, Add	*1,215.93*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*405.31*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,026.55*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,066.38*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,079.66*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	66,181.43	2,974.28
		For 50 Hz Operation, Add	*7,171.96*	
		For Forced Air Cooling, Add	*7,171.96*	
		For External Control Panel, Add	*1,792.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*597.66*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,988.32*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,470.79*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,964.95*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,524.66	3,849.06
		For 50 Hz Operation, Add	*8,820.69*	
		For Forced Air Cooling, Add	*8,820.69*	
		For External Control Panel, Add	*2,205.17*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*735.06*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,675.29*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,188.22*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,025.87*	

26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	28,921.80	1,884.47
		For 50 Hz Operation, Add	*3,045.59*	
		For External Control Panel, Add	*761.40*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*253.80*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,268.99*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,172.49*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,806.98*	
		For Forced Air Cooling, Add	*2,030.39*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	32,996.36	1,884.47
		For 50 Hz Operation, Add	*3,446.32*	
		For External Control Panel, Add	*861.58*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*287.19*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,435.97*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,589.92*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,307.90*	
		For Forced Air Cooling, Add	*2,297.55*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	53,067.84	2,785.74
		For 50 Hz Operation, Add	*5,688.09*	
		For External Control Panel, Add	*1,422.02*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*474.01*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,370.04*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,925.10*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,110.12*	
		For Forced Air Cooling, Add	*3,792.06*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	71,220.10	3,849.06
		For 50 Hz Operation, Add	*7,584.15*	
		For External Control Panel, Add	*1,896.04*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*632.01*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,160.06*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,900.15*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,480.18*	
		For Forced Air Cooling, Add	*5,056.10*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	88,394.38	3,849.06
		For 50 Hz Operation, Add	*9,645.06*	
		For External Control Panel, Add	*2,411.27*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*803.76*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,018.78*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,046.94*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,056.33*	
		For Forced Air Cooling, Add	*6,430.04*	

26 11 13 00-0027 34.5 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	36,335.81	2,253.17
		For 50 Hz Operation, Add	*3,847.05*	
		For External Control Panel, Add	*961.76*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*320.59*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,602.94*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,007.35*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,808.82*	
		For Forced Air Cooling, Add	*2,564.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	43,889.53	3,523.14
		For 50 Hz Operation, Add	*4,648.52*	
		For External Control Panel, Add	*1,162.13*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*387.38*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,936.88*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,842.21*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,810.65*	
		For Forced Air Cooling, Add	*3,099.01*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	60,667.70	3,523.14
		For 50 Hz Operation, Add	*6,430.06*	
		For External Control Panel, Add	*1,607.52*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*535.84*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,679.19*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,697.98*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,037.58*	
		For Forced Air Cooling, Add	*4,286.71*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	78,089.77	3,761.58
		For 50 Hz Operation, Add	*8,408.51*	
		For External Control Panel, Add	*2,102.13*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*700.71*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,503.54*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,758.86*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,510.63*	
		For Forced Air Cooling, Add	*5,605.67*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	135,292.77	4,811.33
		For 50 Hz Operation, Add	*15,003.43*	
		For External Control Panel, Add	*3,750.86*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,250.29*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,251.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,628.58*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,754.29*	
		For Forced Air Cooling, Add	*10,002.29*	

26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	55,866.89	2,621.88
		For 50 Hz Operation, Add	*6,085.80*	
		For External Control Panel, Add	*1,521.45*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*507.15*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,535.75*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,339.38*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,607.25*	
		For Forced Air Cooling, Add	*4,057.20*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	63,163.46	2,621.88
		For 50 Hz Operation, Add	*6,899.57*	
		For External Control Panel, Add	*1,724.89*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*574.96*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,874.82*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,187.05*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,624.46*	
		For Forced Air Cooling, Add	*4,599.71*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	87,576.36	3,523.14
		For 50 Hz Operation, Add	*9,659.10*	
		For External Control Panel, Add	*2,414.78*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*804.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,024.63*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,061.57*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,073.88*	
		For Forced Air Cooling, Add	*6,439.40*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	106,985.36	4,811.33
		For 50 Hz Operation, Add	*11,606.54*	
		For External Control Panel, Add	*2,901.64*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*967.21*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,836.06*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,090.15*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,508.18*	
		For Forced Air Cooling, Add	*7,737.70*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	152,509.59	4,811.33
		For 50 Hz Operation, Add	*17,069.45*	
		For External Control Panel, Add	*4,267.36*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,422.45*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,112.27*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,780.68*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*21,336.81*	
		For Forced Air Cooling, Add	*11,379.63*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	80,601.28	2,785.74
		For 50 Hz Operation, Add	*8,992.11*	
		For External Control Panel, Add	*2,248.03*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*749.34*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,746.71*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,366.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,240.13*	
		For Forced Air Cooling, Add	*5,994.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	92,513.78	3,523.14
		For 50 Hz Operation, Add	*10,251.59*	
		For External Control Panel, Add	*2,562.90*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*854.30*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,271.50*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,678.74*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,814.49*	
		For Forced Air Cooling, Add	*6,834.40*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	127,416.29	3,523.14
		For 50 Hz Operation, Add	*14,439.89*	
		For External Control Panel, Add	*3,609.97*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,203.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,016.62*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,041.56*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,049.87*	
		For Forced Air Cooling, Add	*9,626.60*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	134,793.25	4,811.33
		For 50 Hz Operation, Add	*14,943.49*	
		For External Control Panel, Add	*3,735.87*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,245.29*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,226.45*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,566.14*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,679.36*	
		For Forced Air Cooling, Add	*9,962.33*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	176,831.73	4,811.33
		For 50 Hz Operation, Add	*19,988.11*	
		For External Control Panel, Add	*4,997.03*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,665.68*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,328.38*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*20,820.95*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*24,985.14*	
		For Forced Air Cooling, Add	*13,325.41*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	48,486.10	675.49
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	53,252.58	675.49
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	60,610.87	839.07
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	56,617.12	1,008.93
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	63,817.90	1,008.93
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	72,801.11	1,172.16
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	75,015.53	1,339.19
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	83,980.91	1,339.19
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	87,996.79	1,503.92

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	31,768.84	991.93
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	36,750.43	991.93

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	45,029.83	991.93
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	48,271.88	991.93

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	6,502.77	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	632.96	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	11,980.21	614.50
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*752.58*	
		For Control Power Transformer On Fans And Auxiliary, Add	*322.54*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*107.51*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	17,533.15	737.40
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,124.08*	
		For Control Power Transformer On Fans And Auxiliary, Add	*481.75*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*160.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	19,838.93	819.33
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,274.02*	
		For Control Power Transformer On Fans And Auxiliary, Add	*546.01*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*182.00*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	23,495.30	1,024.16
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,501.29*	
		For Control Power Transformer On Fans And Auxiliary, Add	*643.41*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*214.47*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	26,242.28	1,269.97
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,659.16*	
		For Control Power Transformer On Fans And Auxiliary, Add	*711.07*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*237.02*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	28,134.19	1,556.73
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,751.45*	
		For Control Power Transformer On Fans And Auxiliary, Add	*750.62*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*250.21*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	32,951.46	1,884.47
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,042.78*	
		For Control Power Transformer On Fans And Auxiliary, Add	*875.48*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*291.83*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	35,124.51	2,048.34
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,171.95*	
		For Control Power Transformer On Fans And Auxiliary, Add	*930.83*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*310.28*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	39,236.73	2,253.17
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,431.13*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,041.91*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*347.30*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	45,339.89	2,498.98
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,823.94*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,210.26*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*403.42*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	49,779.74	2,724.29
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,103.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,329.93*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*443.31*	

26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	11,443.85	614.50
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*715.04*	
		For Control Power Transformer On Fans And Auxiliary, Add	*306.45*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*102.15*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	17,113.44	614.50
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,111.91*	
		For Control Power Transformer On Fans And Auxiliary, Add	*476.53*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*158.84*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	19,827.06	819.33
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,273.19*	
		For Control Power Transformer On Fans And Auxiliary, Add	*545.65*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*181.88*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	23,515.73	1,024.16
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,502.72*	
		For Control Power Transformer On Fans And Auxiliary, Add	*644.02*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*214.67*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	28,326.46	1,269.97
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,805.06*	
		For Control Power Transformer On Fans And Auxiliary, Add	*773.60*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*257.87*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	30,729.37	1,556.73
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,933.11*	
		For Control Power Transformer On Fans And Auxiliary, Add	*828.48*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*276.16*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	34,149.82	1,884.47
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,126.66*	
		For Control Power Transformer On Fans And Auxiliary, Add	*911.43*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*303.81*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	37,188.78	2,048.34
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,316.45*	
		For Control Power Transformer On Fans And Auxiliary, Add	*992.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*330.92*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	41,906.15	2,253.17
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,617.99*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,121.99*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*374.00*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	3,258.65
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	6,469.52
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	4,259.93
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	23,640.48
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	22,118.02

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,571.82	954.68
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,213.03	1,100.76

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,717.74	655.47
		For Gas Filled Transformers, Add	*11,644.08*	
		For Single Phase Transformers, Deduct	*-485.17*	
		For Dry Type Unit, Add	*4,400.59*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,799.67	696.44
		For Gas Filled Transformers, Add	*11,644.08*	
		For Single Phase Transformers, Deduct	*-485.17*	
		For Dry Type Unit, Add	*4,408.78*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,298.25	819.33
		For Gas Filled Transformers, Add	*11,795.75*	
		For Single Phase Transformers, Deduct	*-491.49*	
		For Dry Type Unit, Add	*4,488.97*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	23,506.30	901.27
		For Gas Filled Transformers, Add	*13,022.26*	
		For Single Phase Transformers, Deduct	*-542.59*	
		For Dry Type Unit, Add	*4,955.08*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,119.06	1,065.14
		For Gas Filled Transformers, Add	*14,393.27*	
		For Single Phase Transformers, Deduct	*-599.72*	
		For Dry Type Unit, Add	*5,490.56*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	30,258.49	1,229.01
		For Gas Filled Transformers, Add	*16,680.29*	
		For Single Phase Transformers, Deduct	*-695.01*	
		For Dry Type Unit, Add	*6,361.91*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	35,152.94	1,474.80
		For Gas Filled Transformers, Add	*19,322.00*	
		For Single Phase Transformers, Deduct	*-805.08*	
		For Dry Type Unit, Add	*7,379.69*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	41,503.75	1,638.67
		For Gas Filled Transformers, Add	*22,935.85*	
		For Single Phase Transformers, Deduct	*-955.66*	
		For Dry Type Unit, Add	*8,737.54*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	53,600.31	1,720.60
		For Gas Filled Transformers, Add	*30,095.46*	
		For Single Phase Transformers, Deduct	*-1,253.98*	
		For Dry Type Unit, Add	*11,379.12*	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,029.04	655.47
		For Gas Filled Transformers, Add	*11,230.86*	
		For Single Phase Transformers, Deduct	*-467.95*	
		For Dry Type Unit, Add	*4,249.08*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,799.67	696.44
		For Gas Filled Transformers, Add	*11,644.08*	
		For Single Phase Transformers, Deduct	*-485.17*	
		For Dry Type Unit, Add	*4,408.78*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,298.25	819.33
		For Gas Filled Transformers, Add	*11,795.75*	
		For Single Phase Transformers, Deduct	*-491.49*	
		For Dry Type Unit, Add	*4,488.97*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	23,506.30	901.27
		For Gas Filled Transformers, Add	*13,022.26*	
		For Single Phase Transformers, Deduct	*-542.59*	
		For Dry Type Unit, Add	*4,955.08*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,119.06	1,065.14
		For Gas Filled Transformers, Add	*14,393.27*	
		For Single Phase Transformers, Deduct	*-599.72*	
		For Dry Type Unit, Add	*5,490.56*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	30,258.49	1,229.01
		For Gas Filled Transformers, Add	*16,680.29*	
		For Single Phase Transformers, Deduct	*-695.01*	
		For Dry Type Unit, Add	*6,361.91*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	35,152.94	1,474.80
		For Gas Filled Transformers, Add	*19,322.00*	
		For Single Phase Transformers, Deduct	*-805.08*	
		For Dry Type Unit, Add	*7,379.69*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	41,503.75	1,638.67
		For Gas Filled Transformers, Add	*22,935.85*	
		For Single Phase Transformers, Deduct	*-955.66*	
		For Dry Type Unit, Add	*8,737.54*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	53,600.31	1,720.60
		For Gas Filled Transformers, Add	*30,095.46*	
		For Single Phase Transformers, Deduct	*-1,253.98*	
		For Dry Type Unit, Add	*11,379.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	58,792.03	1,802.54
		For Gas Filled Transformers, Add	*33,112.18*	
		For Single Phase Transformers, Deduct	*-1,379.67*	
		For Dry Type Unit, Add	*12,501.64*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	65,558.19	1,884.47
		For Gas Filled Transformers, Add	*37,073.55*	
		For Single Phase Transformers, Deduct	*-1,544.73*	
		For Dry Type Unit, Add	*13,970.53*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,467.25	1,966.41
		For Gas Filled Transformers, Add	*42,920.66*	
		For Single Phase Transformers, Deduct	*-1,788.36*	
		For Dry Type Unit, Add	*16,130.86*	
26 11 16 11-0073		**Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	22,306.75	737.40
		For Gas Filled Transformers, Add	*12,499.17*	
		For Single Phase Transformers, Deduct	*-520.80*	
		For Dry Type Unit, Add	*4,730.51*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	23,073.39	778.37
		For Gas Filled Transformers, Add	*12,910.00*	
		For Single Phase Transformers, Deduct	*-537.92*	
		For Dry Type Unit, Add	*4,889.34*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,722.46	901.27
		For Gas Filled Transformers, Add	*13,751.95*	
		For Single Phase Transformers, Deduct	*-573.00*	
		For Dry Type Unit, Add	*5,222.64*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,120.41	983.20
		For Gas Filled Transformers, Add	*14,492.40*	
		For Single Phase Transformers, Deduct	*-603.85*	
		For Dry Type Unit, Add	*5,510.52*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	29,800.04	1,147.07
		For Gas Filled Transformers, Add	*16,503.54*	
		For Single Phase Transformers, Deduct	*-687.65*	
		For Dry Type Unit, Add	*6,280.71*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	33,047.76	1,310.94
		For Gas Filled Transformers, Add	*18,255.53*	
		For Single Phase Transformers, Deduct	*-760.65*	
		For Dry Type Unit, Add	*6,955.88*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	38,605.02	1,556.73
		For Gas Filled Transformers, Add	*21,294.93*	
		For Single Phase Transformers, Deduct	*-887.29*	
		For Dry Type Unit, Add	*8,119.49*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	46,685.52	1,720.60
		For Gas Filled Transformers, Add	*25,946.59*	
		For Single Phase Transformers, Deduct	*-1,081.11*	
		For Dry Type Unit, Add	*9,857.87*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	56,268.15	1,802.54
		For Gas Filled Transformers, Add	*31,597.85*	
		For Single Phase Transformers, Deduct	*-1,316.58*	
		For Dry Type Unit, Add	*11,946.38*	
26 11 16 11-0083		**Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	22,306.75	737.40
		For Gas Filled Transformers, Add	*12,499.17*	
		For Single Phase Transformers, Deduct	*-520.80*	
		For Dry Type Unit, Add	*4,730.51*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,073.39	778.37
		For Gas Filled Transformers, Add	*12,910.00*	
		For Single Phase Transformers, Deduct	*-537.92*	
		For Dry Type Unit, Add	*4,889.34*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,722.46	901.27
		For Gas Filled Transformers, Add	*13,751.95*	
		For Single Phase Transformers, Deduct	*-573.00*	
		For Dry Type Unit, Add	*5,222.64*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	26,120.41	983.20
		For Gas Filled Transformers, Add	*14,492.40*	
		For Single Phase Transformers, Deduct	*-603.85*	
		For Dry Type Unit, Add	*5,510.52*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	29,800.04	1,147.07
		For Gas Filled Transformers, Add	*16,503.54*	
		For Single Phase Transformers, Deduct	*-687.65*	
		For Dry Type Unit, Add	*6,280.71*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	29,066.87	1,310.94
		For Gas Filled Transformers, Add	*15,866.99*	
		For Single Phase Transformers, Deduct	*-661.12*	
		For Dry Type Unit, Add	*6,080.09*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,426.74	1,556.73
		For Gas Filled Transformers, Add	*16,387.96*	
		For Single Phase Transformers, Deduct	*-682.83*	
		For Dry Type Unit, Add	*6,320.27*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	37,315.56	1,720.60
		For Gas Filled Transformers, Add	*20,324.61*	
		For Single Phase Transformers, Deduct	*-846.86*	
		For Dry Type Unit, Add	*7,796.48*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	44,123.44	1,802.54
		For Gas Filled Transformers, Add	*24,311.02*	
		For Single Phase Transformers, Deduct	*-1,012.96*	
		For Dry Type Unit, Add	*9,274.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	49,254.19	1,884.47
		For Gas Filled Transformers, Add	*27,291.15*	
		For Single Phase Transformers, Deduct	*-1,137.13*	
		For Dry Type Unit, Add	*10,383.65*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	57,693.14	1,966.41
		For Gas Filled Transformers, Add	*32,256.20*	
		For Single Phase Transformers, Deduct	*-1,344.01*	
		For Dry Type Unit, Add	*12,220.55*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	70,555.28	2,048.34
		For Gas Filled Transformers, Add	*39,875.16*	
		For Single Phase Transformers, Deduct	*-1,661.47*	
		For Dry Type Unit, Add	*15,030.56*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	835.52
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	1,537.59

26 12 16 Dry-Type, Medium-Voltage Transformers *(26 12)*

26 12 16 00-0001 Removal and Relocation of Transformers *(26 12 16)*

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	340.02
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	1,511.22

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers *(26 12 19)*

Note: Designed for residential and multi-family buildings. UL listed.

26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)*

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)*

Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,113.85	409.67
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,451.57	491.60
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,097.17	573.54
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,937.54	614.50
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,546.98	655.47
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,262.49	860.30

26 12 19 00-0010 Factory Modifications Material Cost Only *(26 12 19 00-0002)*

26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	549.41
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	577.28
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	635.01

26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer *(26 12 19 00-0001)*

Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.

26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta *(26 12 19 00-0014)*

Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,721.29	409.67
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,243.61	409.67
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,616.78	561.24
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,674.56	561.24
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,354.98	737.40
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,670.33	737.40
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	11,977.21	1,024.16

26 12 19 00-0023 Factory Modifications Material Cost Only *(26 12 19 00-0014)*

26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	732.55
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	185.61
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	577.28
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	939.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	250.82	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	216.98	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,991.28	409.67
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,333.84	409.67
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,581.46	561.24
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,459.22	561.24
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,802.43	737.40
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,459.94	737.48
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,717.78	1,024.16
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,707.99	283.41
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,412.58	398.54
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,177.85	637.67
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,951.55	637.67
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,239.36	1,045.08
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,165.09	1,045.08
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,636.11	301.12
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,882.75	301.12
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,376.32	425.11
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,392.08	425.11
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,063.57	575.68
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,767.97	885.65
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,095.60	885.65
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,943.17	1,107.07
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,636.11	301.12
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,882.82	301.12
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,376.32	425.11
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,392.08	425.11
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,063.57	575.68
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,696.35	779.38
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,767.97	779.38
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,095.60	983.07
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,943.17	1,107.07
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,861.69	301.12
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,128.59	301.12
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,667.79	425.11
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,764.41	425.11
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,490.45	575.68
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,246.41	779.38
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,556.28	779.38
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,202.05	983.07
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,443.10	1,107.07
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,636.11	301.12
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,882.75	301.12
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,376.32	578.42
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,392.08	779.38
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,063.57	575.68
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,573.54	779.38
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,766.50	779.38
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,636.11	301.12
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,882.75	301.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,376.32	425.11
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,392.08	425.11
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,063.57	575.68
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,573.54	779.38
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,766.50	779.38

26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*

26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,285.39	309.98
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,486.57	345.40
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,994.05	380.83
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,852.03	531.39
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,316.43	619.96
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,847.00	726.23
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,993.37	832.52
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,723.17	1,062.79
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,557.47	1,195.63

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,394.81	921.08
		For Weatherproofing, Add	*2,157.70*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,917.35	921.08
		For Weatherproofing, Add	*2,272.66*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,895.00	1,173.49
		For Weatherproofing, Add	*3,121.52*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,337.18	1,173.49
		For Weatherproofing, Add	*4,299.05*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,207.00	1,417.05
		For Weatherproofing, Add	*6,226.84*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,624.35	1,417.05
		For Weatherproofing, Add	*5,648.62*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,566.16	1,062.79
		For Weatherproofing, Add	*3,282.04*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,102.70	1,328.48
		For Weatherproofing, Add	*4,016.42*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,907.81	1,594.17
		For Weatherproofing, Add	*5,702.19*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,993.77	1,062.79
		For Weatherproofing, Add	*3,144.41*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,677.68	1,062.79
		For Weatherproofing, Add	*4,369.39*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	30,264.67	1,417.05
		For Weatherproofing, Add	*6,449.49*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,859.35	1,417.05
		For Weatherproofing, Add	*3,952.25*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,455.57	1,771.31
		For Weatherproofing, Add	*5,818.02*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	38,488.57	1,771.31
		For Weatherproofing, Add	*8,218.51*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,417.02	1,771.31
		For Weatherproofing, Add	*5,582.13*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,699.64	1,771.31
		For Weatherproofing, Add	*7,818.79*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,626.00	1,771.31
		For Weatherproofing, Add	*10,198.46*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,641.12	580.10
		For Weatherproofing, Add	*939.69*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,057.74	580.10
		For Weatherproofing, Add	*1,251.34*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,550.17	770.52
		For Weatherproofing, Add	*1,333.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,116.87	952.08
		For Weatherproofing, Add	*1,652.39*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,984.00	952.08
		For Weatherproofing, Add	*2,283.16*	

26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,882.25	885.65
		For Weatherproofing, Add	*1,201.43*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,699.03	885.65
		For Weatherproofing, Add	*1,575.02*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,782.28	885.65
		For Weatherproofing, Add	*2,447.59*	

26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,056.98	752.81
		For Weatherproofing, Add	*1,227.64*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,466.96	752.81
		For Weatherproofing, Add	*1,317.83*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,285.69	929.93
		For Weatherproofing, Add	*1,912.06*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,238.88	1,115.93
		For Weatherproofing, Add	*1,656.00*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,170.91	1,115.93
		For Weatherproofing, Add	*2,081.05*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,691.91	1,301.91
		For Weatherproofing, Add	*2,389.34*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,916.41	1,487.90
		For Weatherproofing, Add	*2,192.87*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,240.30	1,487.90
		For Weatherproofing, Add	*2,484.13*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,102.09	1,665.03
		For Weatherproofing, Add	*3,087.63*	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections *(26 13 16 00-0001)*

26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	2,921.37	561.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*336.75*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	3,662.18	622.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*373.70*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,788.37	749.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*449.57*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	2,944.35	1,126.82
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	3,718.16	72.99
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	4,969.52	72.99
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,108.23	72.99
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,155.99	72.99
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,812.88	72.99
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	10,638.40	72.99
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,679.12	72.99
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,899.08	72.99
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,889.47	72.99
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	1,846.17	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0058	EA	AC Ammeter With Switch	716.67	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	716.67	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,063.84	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0061	EA	Indicating Varmeter	1,256.45	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	785.63	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	2,242.02	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	3,514.85	72.99
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	483.05	72.99
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	2,342.55	72.99

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	37,865.52	1,107.07
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	41,807.65	1,399.33
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	47,462.65	1,399.33
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	43,412.64	1,107.07
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	48,852.14	1,107.07
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	55,678.97	1,301.91
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	57,433.82	1,487.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	62,900.95	1,487.90
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	68,724.72	1,673.89

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*
Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	12,063.16	717.41
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	19,022.61	1,084.67
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	25,752.89	1,332.35
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	42,867.52	1,545.86
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	55,123.93	1,759.38

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,338.45	217.78
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,168.68	217.78
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,070.81	320.27
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,551.18	320.27
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,302.06	469.74

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*
Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	2,719.11	243.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.18*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	3,398.92	243.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.39*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	4,443.31	375.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.87*	

26 13 29 00-0018 Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	1,463.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	1,147.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	3,553.67	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	3,553.67	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	4,688.24	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	6,061.67	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	2,652.72	83.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	8,587.08	1,234.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*740.51*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,630.87	72.99
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	1,908.88	72.99
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	1,018.47	36.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.90*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	7,604.29	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	970.69	36.50

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*
Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	23,517.28	614.50
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	26,423.65	614.50

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001 Service Drop Cable And Weatherheads *(26 21 13)*

26 21 13 00-0002 600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*

26 21 13 00-0003 Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	5.45	2.11
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	6.51	2.50
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.51	2.81
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.75	3.54
26 21 13 00-0008		**Aluminum Triplex ACSR Neutral** *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	6.55	2.50
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.46	2.81
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.44	3.54
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.67	4.32
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.33	5.71
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.29	7.09
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	24.46	8.44
26 21 13 00-0016		**Aluminum Quadruplex ACSR Neutral** *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.47	2.81
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.43	3.54
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.14	4.54
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.58	5.71
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.30	6.33
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.71	7.09
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.32	8.44
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	27.56	9.32
26 21 13 00-0025		**Weatherproof Conduit Hubs** *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	37.07	14.07
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	42.29	16.00
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	49.11	17.91
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	68.50	24.00
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	75.32	25.91
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	97.29	30.07
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	127.74	33.91
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	164.91	39.98
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	292.17	79.98
26 21 13 00-0035		**Service Entrance Cap, Threaded Weatherhead, Galvanized** *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	42.82	14.07
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	49.18	16.00
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	56.53	17.91
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	76.01	24.00
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	86.62	25.91
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	115.97	30.07
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	204.18	33.91
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	231.68	39.98
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	373.18	79.98
26 21 13 00-0045		**Service Entrance Cap, Clamp-On Weatherhead, Aluminum** *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	41.15	14.07
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	46.38	16.00
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	52.74	17.83
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	70.02	24.00
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	78.53	25.91
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	92.85	30.07
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	160.82	33.91
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	209.87	39.98
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	293.47	59.98
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	347.23	79.98
26 21 13 00-0056		**Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)** *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	39.29	14.07
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	45.00	16.00
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	51.25	17.83
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	68.20	24.00
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	74.41	25.91
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	92.19	30.07
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	163.12	33.91
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	181.70	39.98
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	317.00	59.98
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	440.74	79.98
26 21 16		**Low-Voltage Underground Electrical Service Entrance** *(26 21)*		
26 21 16 00-0001		**Aluminum Triplex For Underground Service, Direct Burial** *(26 21 16)*		
		Note: Excludes excavation and backfill.		
26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	2,348.36	787.26
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	2,589.28	833.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	2,914.96	885.65
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,215.27	885.65
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,518.90	944.72
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,133.44	1,090.06
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,184.89	1,417.05

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	607.08	204.90
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	792.11	245.88
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	941.78	256.52
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,092.69	266.37
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,451.44	286.86
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,692.19	307.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*53.88*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*80.81*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,844.96	327.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*59.47*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*89.20*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,846.28	368.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*55.43*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*83.15*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,168.62	409.78
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*67.45*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*101.18*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,812.12	491.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*91.43*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*137.15*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,512.47	573.70
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*118.25*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*177.38*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	5,398.15	737.62
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*196.15*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*294.22*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	9,245.21	901.54
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*372.11*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*558.16*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	14,055.75	1,024.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*600.34*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*900.51*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	700.29	245.88
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	794.65	256.12
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	928.22	266.37
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,064.67	286.86

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,692.19	307.34
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,844.96	327.83

26 22 13 00-0025 1 Phase Mounting Brackets *(26 22 13 00-0001)*

26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	400.09	145.98

26 22 13 00-0027 1 Phase Weathershields *(26 22 13 00-0001)*

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	38.82	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	49.48	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	59.00	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	70.38	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	95.23	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	113.86	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	139.73	

26 22 13 00-0035 Packaged Power Supply *(26 22 13 00-0001)*

Note: 2-5 Percent FCBN taps.

26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	1,082.87	256.12
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	1,199.97	266.37
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	1,298.49	286.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	1,555.37	307.34
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	2,058.78	327.83
26 22 13 00-0041		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade *(26 22 13 00-0001)*		
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	798.35	184.41
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,077.40	204.90
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,262.87	245.88
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,381.69	256.12
26 22 13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,536.74	266.37
26 22 13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,929.64	286.86
26 22 13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,444.68	307.34
26 22 13 00-0049		1 Phase, 208/600 Volt, Dry General Purpose Transformer *(26 22 13 00-0001)*		
26 22 13 00-0050	EA	15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,943.94	307.34
26 22 13 00-0051	EA	25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,062.13	327.83
26 22 13 00-0052	EA	30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,188.52	348.31
26 22 13 00-0053	EA	37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,122.88	368.80
26 22 13 00-0054	EA	45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,289.98	389.29
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,618.86	409.78
26 22 13 00-0056		3 Phase General Purpose "Dry Type" Transformer *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057		Packaged Power Supply *(26 22 13 00-0056)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	4,497.30	881.05
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*136.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*205.14*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	5,274.54	942.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*169.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*254.21*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	6,207.84	1,024.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*207.95*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*311.92*	
26 22 13 00-0061		Drive Isolation Transformers *(26 22 13 00-0056)* Note: Only use in step-up applications.		
26 22 13 00-0062		230 Volt Drive Isolation Transformers *(26 22 13 00-0061)*		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,076.51	327.83
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,570.27	348.31
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,701.81	368.80
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,330.79	389.29
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,505.72	430.27
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,952.31	471.25
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,582.43	512.23
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,476.90	573.70
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,987.56	594.19
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,007.75	614.68
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,960.06	635.17
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,235.77	778.60
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,492.53	819.58
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,246.75	860.56
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,357.67	1,024.46
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,874.85	1,208.87
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,190.50	1,331.81
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	29,339.57	1,475.24
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,064.26	1,639.14
26 22 13 00-0082		208V Drive Isolation Transformers *(26 22 13 00-0061)*		
26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,199.73	327.83
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,716.54	348.31
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,852.68	368.80
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,511.60	389.29
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,691.26	430.27
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,115.44	450.76
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,855.41	532.72
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,748.17	573.70
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,282.74	594.19
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,352.77	614.68
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,402.36	635.17
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,728.41	778.60
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,044.97	819.58
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,884.31	860.56
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,136.88	1,024.46
26 22 13 00-0098		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,253.55	338.07
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,902.01	368.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*108.22*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*162.33*	

26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,279.06	450.76
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*118.88*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*178.31*	
		For K4 Factor Rating, Add	*1,664.26*	
		For K13 Factor Rating, Add	*2,377.52*	
		For K20 Factor Rating, Add	*3,090.78*	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,922.23	491.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*146.94*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*220.41*	
		For K4 Factor Rating, Add	*2,057.13*	
		For K13 Factor Rating, Add	*2,938.75*	
		For K20 Factor Rating, Add	*3,820.38*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,113.67	532.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*152.41*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*228.62*	
		For K4 Factor Rating, Add	*2,133.76*	
		For K13 Factor Rating, Add	*3,048.23*	
		For K20 Factor Rating, Add	*3,962.70*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,313.66	573.70
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*208.31*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*312.47*	
		For K4 Factor Rating, Add	*2,916.38*	
		For K13 Factor Rating, Add	*4,166.26*	
		For K20 Factor Rating, Add	*5,416.14*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,274.17	614.68
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*202.24*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*303.36*	
		For K4 Factor Rating, Add	*2,831.37*	
		For K13 Factor Rating, Add	*4,044.81*	
		For K20 Factor Rating, Add	*5,258.25*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,545.87	737.62
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*253.53*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*380.30*	
		For K4 Factor Rating, Add	*3,549.44*	
		For K13 Factor Rating, Add	*5,070.63*	
		For K20 Factor Rating, Add	*6,591.82*	
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	8,401.61	819.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*338.12*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*507.19*	
		For K4 Factor Rating, Add	*4,733.73*	
		For K13 Factor Rating, Add	*6,762.47*	
		For K20 Factor Rating, Add	*8,791.21*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,392.56	1,024.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*467.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*700.77*	
		For K4 Factor Rating, Add	*6,540.53*	
		For K13 Factor Rating, Add	*9,343.62*	
		For K20 Factor Rating, Add	*12,146.71*	
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	13,901.82	1,270.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*568.06*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*852.09*	
		For K4 Factor Rating, Add	*7,952.80*	
		For K13 Factor Rating, Add	*11,361.14*	
		For K20 Factor Rating, Add	*14,769.48*	
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	19,750.94	1,557.19
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*831.83*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,247.74*	
		For K4 Factor Rating, Add	*11,645.59*	
		For K13 Factor Rating, Add	*16,636.56*	
		For K20 Factor Rating, Add	*21,627.53*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	44,350.41	1,884.47
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,029.02*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,043.53*	
		For K4 Factor Rating, Add	*28,406.26*	
		For K13 Factor Rating, Add	*40,580.37*	
		For K20 Factor Rating, Add	*52,754.48*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	58,125.36	2,048.94
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,701.37*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,052.06*	
		For K4 Factor Rating, Add	*37,819.24*	
		For K13 Factor Rating, Add	*54,027.49*	
		For K20 Factor Rating, Add	*70,235.74*	

26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,864.59	317.59
		For K4 Factor Rating, Add	*860.59*	
		For K13 Factor Rating, Add	*1,229.42*	
		For K20 Factor Rating, Add	*1,598.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,253.55	338.07
		For K4 Factor Rating, Add	*1,104.18*	
		For K13 Factor Rating, Add	*1,577.40*	
		For K20 Factor Rating, Add	*2,050.62*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,902.01	368.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*108.22*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*162.33*	
		For K4 Factor Rating, Add	*1,515.07*	
		For K13 Factor Rating, Add	*2,164.39*	
		For K20 Factor Rating, Add	*2,813.71*	
26 22 13 00-0118		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0056)*		
26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,427.25	450.76
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*226.29*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*339.43*	
		For K4 Factor Rating, Add	*3,168.00*	
		For K13 Factor Rating, Add	*4,525.71*	
		For K20 Factor Rating, Add	*5,883.42*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,101.66	532.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*251.81*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*377.72*	
		For K4 Factor Rating, Add	*3,525.35*	
		For K13 Factor Rating, Add	*5,036.22*	
		For K20 Factor Rating, Add	*6,547.09*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	8,888.85	614.68
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*382.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*574.46*	
		For K4 Factor Rating, Add	*5,361.64*	
		For K13 Factor Rating, Add	*7,659.49*	
		For K20 Factor Rating, Add	*9,957.34*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,136.60	737.62
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*483.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*724.60*	
		For K4 Factor Rating, Add	*6,762.95*	
		For K13 Factor Rating, Add	*9,661.36*	
		For K20 Factor Rating, Add	*12,559.77*	
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	13,367.37	819.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*586.41*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*879.62*	
		For K4 Factor Rating, Add	*8,209.76*	
		For K13 Factor Rating, Add	*11,728.23*	
		For K20 Factor Rating, Add	*15,246.70*	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,117.44	1,024.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*753.43*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,130.14*	
		For K4 Factor Rating, Add	*10,547.95*	
		For K13 Factor Rating, Add	*15,068.50*	
		For K20 Factor Rating, Add	*19,589.05*	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	20,829.00	1,270.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*914.42*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,371.62*	
		For K4 Factor Rating, Add	*12,801.82*	
		For K13 Factor Rating, Add	*18,288.32*	
		For K20 Factor Rating, Add	*23,774.82*	
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	33,151.96	1,557.19
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,501.88*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,252.82*	
		For K4 Factor Rating, Add	*21,026.31*	
		For K13 Factor Rating, Add	*30,037.58*	
		For K20 Factor Rating, Add	*39,048.85*	
26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,728.02	368.80
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,054.43	450.76
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,866.48	532.72
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,452.93	614.68
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,075.41	737.62
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,420.91	819.58
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,654.76	1,024.46
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	24,631.97	1,270.34
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,127.62	368.80
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,685.40	450.76
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,826.31	532.72
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,695.73	614.68
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,995.06	737.62
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,778.41	819.58
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	18,375.54	1,024.46
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	29,050.61	1,270.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)* Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	2,836.98	368.71
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,460.39	450.64
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,174.77	532.57
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,635.21	614.50
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,564.41	737.40
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,439.32	819.33
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,533.52	1,024.16
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,694.87	1,269.97
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,468.69	368.71
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,225.57	450.64
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,107.87	532.57
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,957.28	614.50
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,928.99	737.40
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,779.51	819.33
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,679.28	1,024.16
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,241.35	1,269.97
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,097.85	368.71
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,992.89	450.64
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,040.98	532.57
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,277.23	614.50
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,650.65	737.40
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,119.70	819.33
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,825.05	1,024.16
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	26,787.84	1,269.97
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)* Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	3,887.41	368.71
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,737.83	450.64
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,728.52	532.57
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,837.24	614.50
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,676.16	737.40
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,420.41	819.33
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,883.44	1,024.16
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,429.63	1,269.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0185		**115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,516.57	368.71
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,505.14	450.64
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,661.63	532.57
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,159.32	614.50
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,025.98	737.40
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,726.70	819.33
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,636.10	1,024.16
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	33,823.30	1,269.97
26 22 13 00-0194		**80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,147.85	368.71
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,272.45	450.64
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,594.73	532.57
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,479.26	614.50
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,716.88	737.40
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,631.28	819.33
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,386.63	1,024.16
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,527.17	1,269.97
26 22 13 00-0203		**3 Phase Weathershields** *(26 22 13 00-0056)* Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	525.80	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	892.91	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	892.91	
26 22 13 00-0207		**Three Phase Mounting Brackets** *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	572.65	145.98
26 22 13 00-0209		**Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 22 13)*		
26 22 13 00-0210		**Distribution 3 Phase Oil Filled Transformer** *(26 22 13 00-0209)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		**Factory Modifications** *(26 22 13 00-0210)* Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	963.46	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	156.67	
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	626.68	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,805.49	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	221.18	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	175.10	
26 22 13 00-0218		**Accessories For Transformer Liquid Containment Area** *(26 22 13 00-0210)* Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA	4,441.06	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,064.14*	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	4,441.06	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,064.14*	
26 22 13 00-0221	EA	Containment Area For 150 KVA	4,441.06	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,064.14*	
26 22 13 00-0222	EA	Containment Area For 225 KVA	4,441.06	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,064.14*	
26 22 13 00-0223	EA	Containment Area For 300 KVA	4,435.34	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,062.42*	
26 22 13 00-0224	EA	Containment Area For 500 KVA	4,435.34	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,062.42*	
26 22 13 00-0225	EA	Containment Area For 750 KVA	4,461.14	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,062.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0226	EA	Containment Area For 1,000 KVA	4,835.30	1,596.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,062.42*	
26 22 13 00-0227		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 22 13 00-0210)*		
		Note: Rated to 5 KVA.		
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,489.09	983.20
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,042.04	983.20
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,410.68	983.20
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,516.58	983.20
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	9,361.12	1,474.80
26 22 13 00-0233	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	9,729.76	1,474.80
26 22 13 00-0234	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	14,153.36	1,474.80
26 22 13 00-0235	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,139.06	1,966.41
26 22 13 00-0236	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	22,931.30	1,966.41
26 22 13 00-0237		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 22 13 00-0210)*		
		Note: Rated to 5 KVA.		
26 22 13 00-0238	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,673.41	983.20
26 22 13 00-0239	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,410.68	983.20
26 22 13 00-0240	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,594.99	983.20
26 22 13 00-0241	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,779.31	983.20
26 22 13 00-0242	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	9,361.12	1,474.80
26 22 13 00-0243	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	10,098.39	1,474.80
26 22 13 00-0244	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	14,153.36	1,474.80
26 22 13 00-0245	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,323.37	1,966.41
26 22 13 00-0246	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	22,931.30	1,966.41
26 22 13 00-0247		**Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 22 13 00-0209)*		
26 22 13 00-0248	EA	1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	41,803.24	3,651.37
26 22 13 00-0249	EA	2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	51,243.18	4,199.09
26 22 13 00-0250	EA	2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	58,029.53	4,420.07
26 22 13 00-0251	EA	3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	61,798.93	4,940.11
26 22 13 00-0252	EA	3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	68,984.26	5,089.80
26 22 13 00-0253		**Foam Core Poly Transformer Pads** *(26 22 13)*		
26 22 13 00-0254	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	160.85	27.10

26 24 Switchboards And Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,318.74	699.54
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,697.70	739.93
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,231.31	839.34
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,715.58	899.80
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	11,127.86	959.38
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,446.34	1,020.09
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,125.26	699.54
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,397.43	739.93
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,662.75	840.06
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,663.08	899.80
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,127.86	960.34
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,446.34	1,020.09
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,076.60	1,066.46
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	17,132.43	1,142.52
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,312.08	1,231.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,146.52	619.81
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,391.82	659.87
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,736.72	759.60
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,967.54	791.52
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,178.24	820.06
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,497.74	879.25
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,785.52	939.55

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	310.53	24.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	453.04	38.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.03*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,240.93	69.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.99*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,227.25	91.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.70*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	3,922.51	223.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.34*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	6,378.04	223.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.34*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	10,314.36	399.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.45*	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0034 Incoming Service Section Main Device Only *(26 24 13 00-0033)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,721.88	907.72
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,309.23	907.72
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	8,142.30	1,179.64
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	9,276.94	1,179.64

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0040 Incoming Service Section Main Device Only *(26 24 13 00-0039)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	2,993.25	619.81
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,354.82	659.87
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,322.82	759.60
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,787.55	819.42
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	3,758.86	619.81
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,836.97	659.87
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,912.94	759.60
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	10,124.40	819.42
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	11,916.69	919.71
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,018.59	539.75
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,280.34	579.89
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,677.75	679.63
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,897.01	711.54
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,110.94	739.93
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,384.19	791.52
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,653.30	839.34
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,536.95	1,039.67
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,095.21	1,139.64
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,076.48	1,229.61

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	161.16	21.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.72*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	254.91	35.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	818.18	49.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.51*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,408.48	63.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.91*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	3,754.79	153.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.36*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	5,384.17	153.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.36*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	8,849.33	293.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.36*	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0069 Incoming Service Section Main Device Only *(26 24 13 00-0068)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,319.72	699.54
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,696.61	739.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,229.89	839.34
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,713.95	899.80
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	11,124.17	959.38
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,446.33	1,020.09
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,126.24	699.54
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,396.34	739.93
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,662.75	840.06
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,661.45	899.80
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,126.00	960.34
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,446.33	1,020.09
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,275.07	619.81
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,567.94	659.87
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,001.43	759.60
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,248.41	791.52
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,488.77	820.06
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,795.20	879.25
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,105.61	939.55
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,908.39	1,067.67
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,459.60	1,142.44
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,535.00	1,227.62

26 24 13 00-0092 Branch Breaker Units *(26 24 13 00-0068)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	310.53	24.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	453.04	38.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.03*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,240.93	69.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.99*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,227.25	91.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.70*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	3,922.51	223.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.34*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,378.04	223.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.34*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	10,314.36	399.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.45*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,264.71	959.38
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,705.11	1,020.09
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,921.60	1,138.60
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,584.90	1,219.14
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,633.99	959.38
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,774.12	1,020.09
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,820.24	1,139.88
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,300.10	1,219.14
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,805.35	1,300.00
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,167.71	1,380.77
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,275.07	619.81
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,567.94	659.87
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,001.43	759.60
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,248.41	791.52
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,488.77	820.06
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,795.20	879.25
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,105.61	939.55

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	662.25	24.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	755.69	38.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.03*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,370.17	69.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.99*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,227.25	91.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.70*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,332.68	223.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.34*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,458.65	223.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.34*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	8,729.14	399.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.45*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	654.25	62.78
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	651.80	62.78
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	651.80	62.78
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,034.74	82.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,034.74	82.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0134		**240 Volt, 2 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	756.02	61.58
		For Electrical Interlock Kit, Add	*273.97*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,123.41	61.58
		For Electrical Interlock Kit, Add	*273.97*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	2,881.79	165.94
26 24 13 00-0138		**240 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	845.63	70.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	843.18	70.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	843.18	70.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,279.00	94.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,279.00	94.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0144		**240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	919.40	69.58
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,518.30	69.58
		For Electrical Interlock Kit, Add	*273.97*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	3,886.83	185.78
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	5,571.00	238.00
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	10,459.17	322.46
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,216.49	70.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,214.02	70.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,216.49	70.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,838.57	94.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,879.99	94.77
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,061.08	123.96
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,318.83	69.58
		For Electrical Interlock Kit, Add	*285.99*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,025.39	69.58
		For Electrical Interlock Kit, Add	*273.97*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	4,915.44	185.78
		For Electrical Interlock Kit, Add	*273.97*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,960.34	238.00
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	10,459.17	322.46
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,044.61	735.77
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,477.96	735.77
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,758.69	935.71
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,017.05	935.71
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,279.74	851.74
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,702.87	851.74
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,017.05	1,055.67
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,249.16	1,055.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,643.65	1,039.67
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,075.52	1,039.67
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,407.84	1,279.60
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,747.87	1,279.60
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,375.18	1,139.64
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,876.94	1,139.64
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,267.68	1,407.56
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,563.89	1,407.56
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,523.44	1,143.64
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,060.03	1,287.60
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,165.15	1,287.60
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,322.09	1,359.57
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,059.42	1,287.60
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,162.97	1,287.60
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,319.91	1,359.57
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,161.95	1,359.57
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,319.91	1,359.57
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,376.58	1,359.57
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	476.28	95.97
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	536.11	95.97
26 24 13 00-0201	EA	Cable Supports In Pull Box	201.32	24.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.33*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	451.39	111.97
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	803.92	143.95
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	803.92	143.95
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	593.79	111.97
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	864.36	163.95
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	980.63	163.95
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,020.34	211.93
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,068.73	211.93
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	3,735.13	666.44
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,094.74	724.41
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,123.85	925.63
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,605.49	1,009.76
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,979.49	1,074.94
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	4,581.06	584.62
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	2,461.58	555.35
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	2,736.28	602.22
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	4,876.14	666.44
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	5,239.73	668.19
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	5,754.50	746.01
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	131.54	39.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	161.61	40.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.85*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	826.88	48.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.16*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,388.65	103.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.55*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	535.65	144.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,599.78	83.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.16*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	1,935.20	347.09
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,768.91	469.37
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,076.80	571.26
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,827.78	799.75
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,737.58	999.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,289.12	999.69
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,464.18	1,332.94
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,521.74	1,332.94
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,832.11	1,586.78
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	10,778.12	1,586.78

26 24 13 00-0240 Main Devices *(26 24 13)*

26 24 13 00-0241 Power Circuit Breakers *(26 24 13 00-0240)*

26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	7,044.71	839.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*502.78*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	12,942.42	1,399.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*838.90*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	29,697.08	2,351.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,398.17*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	47,759.64	3,806.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,324.85*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,648.31	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	342.02	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	448.71	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	323.19	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	8,319.52	879.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*530.34*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	15,567.97	1,479.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*883.38*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	33,474.84	2,439.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,470.13*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	51,489.57	3,998.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,458.25*	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	5,538.68	767.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*461.39*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	10,217.97	1,287.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*768.99*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	14,986.20	2,159.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,281.65*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	25,949.87	3,478.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,134.56*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	42,144.94	5,678.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,549.19*	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	6,650.54	735.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*440.07*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	12,510.30	1,231.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*733.27*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	17,613.70	2,047.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,224.11*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	29,047.62	3,334.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,040.18*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	45,180.90	5,718.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,408.03*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	2,138.70	671.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.98*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,290.46	671.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*420.92*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,656.00	799.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*461.39*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,400.74	799.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*499.84*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	6,749.12	959.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*547.77*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	11,221.18	959.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*605.87*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	338.88	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	78.45	

26 24 13 00-0277 Switchboard Branch Breaker 480 Volt *(26 24 13 00-0240)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	497.05	57.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.77*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	580.46	76.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.14*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	1,751.02	115.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.50*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,319.86	145.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.18*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,794.93	194.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.92*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,365.51	249.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.95*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	5,427.66	380.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.50*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	5,427.66	380.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.50*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	7,613.28	533.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.90*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,408.24	799.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*479.85*	

26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,222.65	347.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.27*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,288.64	380.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.07*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,670.92	571.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*342.75*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	11,531.15	799.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*479.85*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	11,701.00	884.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*530.81*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	15,161.84	1,586.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*952.08*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	378.52	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	383.51	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	915.08	43.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,325.72	55.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,867.40	69.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.07*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,444.14	80.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.99*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,725.31	91.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	

26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	261.12	21.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	335.69	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	910.59	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,439.61	39.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.39*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,523.13	51.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.79*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	3,444.37	75.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.39*	

26 24 13 00-0311 Meter Devices And Instrumentation *(26 24 13)*

Note: Factory installed accessories.

26 24 13 00-0312 Instrument Transformers And Metering Compartments *(26 24 13 00-0311)*

26 24 13 00-0313	EA	Uo To 800 Amperes, Primary Current Transformer, With Compartment	409.48
26 24 13 00-0314	EA	1,000 To 1,500 Amperes, Primary Current Transformer, With Compartment	591.48
26 24 13 00-0315	EA	2,000 To 6,000 Amperes, Primary Current Transformer, With Compartment	696.59
26 24 13 00-0316	EA	Potential Transformer With 200 VA Max	502.05
26 24 13 00-0317	EA	5 To 800 Amperes, Three Current Transformers	1,594.69
26 24 13 00-0318	EA	1,000 To 1,500 Amperes, Three Current Transformers	2,865.82
26 24 13 00-0319	EA	2,000 To 4,000 Amperes, Three Current Transformers	3,729.21

26 24 13 00-0320 Instruments *(26 24 13 00-0311)*

26 24 13 00-0321	EA	AC Voltmeter	558.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0322	EA	AC Ammeter	558.53	
26 24 13 00-0323	EA	AC Wattmeter	1,492.03	
26 24 13 00-0324	EA	Variometer	1,685.00	
26 24 13 00-0325	EA	Power Factor Meter	1,346.12	
26 24 13 00-0326	EA	Frequency Meter	1,485.75	
26 24 13 00-0327	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,890.53	
26 24 13 00-0328	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,162.91	
26 24 13 00-0329	EA	Weatherproof, Modify Meter	2,897.89	
26 24 13 00-0330	EA	Control Switch Resistor Type 130 V	63.86	
26 24 13 00-0331	EA	Metering Instrument: Voltage, Amperes And Watt Hour	3,815.26	

26 24 16 Panelboards *(26 24)*

26 24 16 00-0001 Branch Circuit Panelboard *(26 24 16)*

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,011.22	227.93
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,141.60	227.93
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,289.86	315.90
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,442.22	315.90
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,583.68	395.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	1,728.91	395.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	1,869.80	455.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0011	EA	125 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,046.03	551.83
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0012	EA	200 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,788.59	774.96
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,234.74	583.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,344.50	583.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	2,456.22	667.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,638.46	667.79
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,752.70	751.76
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	2,918.44	751.76
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,015.02	831.74
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,187.95	831.74
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,341.32	919.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0022	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,452.34	919.71
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0023	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	3,601.28	919.71
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0024 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0025	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,229.23	219.93
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0026	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,361.34	219.93
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,654.39	375.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,879.85	375.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,024.36	459.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0030	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,174.31	459.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0031	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,308.86	551.83
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,802.31	551.83
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,920.30	675.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,047.36	675.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,185.31	759.76
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,299.59	759.76
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,420.60	831.74
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,549.34	831.74
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,687.11	983.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,835.43	983.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0041	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,996.22	983.69
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0042	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,098.95	1,039.67
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0043 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,228.76	259.92
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,371.80	259.92
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,535.65	347.89
		For NEMA 3R Panelboard, Add	*880.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,709.83	347.89
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,864.66	427.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,029.38	427.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,185.69	507.84
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,342.98	507.84
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,493.96	595.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	2,667.94	595.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0054	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,841.13	687.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0055	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,015.07	687.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0056	EA	200 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,390.84	876.92
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,349.87	831.74
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,459.64	831.74
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,664.89	923.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0060	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,844.67	923.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0061	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,977.53	1,007.69
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0062	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,150.47	1,007.69
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,115.95	894.12
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,237.35	939.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,450.68	989.70
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0066	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,642.23	1,047.67
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0067	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,781.78	1,079.66
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0068	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,996.86	1,145.64
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0069		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,499.53	251.92
		For NEMA 3R Panelboard, Add	*880.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0071	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,644.18	251.92
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0072	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,819.94	331.90
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0073	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,077.91	331.90
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,411.65	499.84
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,563.97	499.84
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,726.66	583.81
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,859.25	583.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,043.15	675.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0079	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,163.24	675.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0080	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,371.08	759.76
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0081	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,552.85	759.76
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,199.08	879.72
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,378.23	927.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,450.58	927.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0085	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,649.63	1,047.67
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0086	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,794.43	1,047.67
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0087	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	4,881.09	1,047.67
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,985.74	963.70
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,179.73	1,019.68
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,254.08	1,047.67
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0091	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,467.74	1,111.65
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0092	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,611.30	1,143.64
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0093	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,740.25	1,183.63
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0094 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,410.77	255.92
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,603.50	255.92
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,789.36	351.89
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,982.06	351.89
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,163.56	439.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,353.40	439.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	2,550.34	531.83
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,733.06	531.83
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	2,931.29	631.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0104	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,123.60	631.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0105	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,302.54	719.78
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0106	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,492.36	719.78
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,887.12	875.73
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,076.77	875.73
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,276.96	959.70
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0110	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	4,430.24	959.70
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0111	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,650.00	1,059.67
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0112	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,814.46	1,059.67
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0113 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0114	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,809.02	271.91
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0115	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,997.96	295.91
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0116	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,188.68	367.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	2,622.60	447.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,802.10	495.85
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,967.55	535.83
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,147.78	583.81
		For NEMA 3R Panelboard, Add	*880.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,321.99	631.81
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,483.13	671.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0123	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,654.52	711.78
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0124	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,838.28	759.76
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0125	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,037.18	819.74
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,162.38	911.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,353.97	967.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,496.20	991.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0129	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,709.00	1,055.67
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0130	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	5,863.34	1,095.66
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0131	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,022.62	1,130.05
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0132 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,736.52	279.91
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,956.19	279.91
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0135	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,170.98	371.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0136	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,387.27	371.88
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0137	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,606.56	459.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,821.97	459.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,040.40	551.83
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,258.04	551.83
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,492.89	647.80
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0142	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,694.79	647.80
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0143	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,906.31	651.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0144	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,129.44	651.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0145	EA	200 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,715.03	952.10
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,694.49	903.72
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,923.23	903.72
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0148	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,107.45	951.71
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0149	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,354.15	1,015.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0150	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,548.56	1,015.69
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0151	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,818.72	1,111.65
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0152 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0153	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,264.45	343.89
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0154	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,488.55	343.89
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0155	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,705.41	455.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,217.26	455.86
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,422.57	575.82
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,627.61	575.82
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,826.62	659.79
		For NEMA 3R Panelboard, Add	*880.34*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,012.57	659.79
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0161	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,208.76	751.76
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0162	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,417.31	751.76
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0163	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,600.40	831.74
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0164	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,791.23	831.74
		For NEMA 3R Panelboard, Add	*968.14*	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,374.16	983.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,601.17	983.69
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0167	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,775.89	1,075.66
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0168	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,026.36	1,075.66
		For NEMA 3R Panelboard, Add	*1,143.60*	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0169	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,214.57	1,175.64
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0170	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,408.26	1,175.64
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0171	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,862.39	1,309.19
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0172	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	10,802.94	1,571.50
		For NEMA 3R Panelboard, Add	*1,190.26*	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0173 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0174 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0173)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0175 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*

26 24 16 00-0176	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	576.01	
26 24 16 00-0177	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	659.58	
26 24 16 00-0178	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	884.17	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0179	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,017.71	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0180	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,148.98	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0181	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,278.72	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0182	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,385.77	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0183	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,514.51	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0184	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,596.52	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0185	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,701.52	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0186	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,850.72	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0187 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*

26 24 16 00-0188	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	852.88	
26 24 16 00-0189	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	961.06	
26 24 16 00-0190	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,529.18	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0191	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,691.57	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0192	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,841.50	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0193	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,281.35	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0194	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,450.37	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0195	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,606.68	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0196		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*		
26 24 16 00-0197	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,201.60	
26 24 16 00-0198	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,278.02	
26 24 16 00-0199	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,487.72	
26 24 16 00-0200	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,618.28	
26 24 16 00-0201	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,738.23	
26 24 16 00-0202	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,983.55	
26 24 16 00-0203	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,082.86	
26 24 16 00-0204	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,204.45	
26 24 16 00-0205	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,341.27	
26 24 16 00-0206	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,442.27	
26 24 16 00-0207	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,580.48	
26 24 16 00-0208		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0174)*		
26 24 16 00-0209	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,471.32	
26 24 16 00-0210	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,571.75	
26 24 16 00-0211	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,248.31	
26 24 16 00-0212	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,396.41	
26 24 16 00-0213	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,535.61	
26 24 16 00-0214	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,960.57	
26 24 16 00-0215	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,122.43	
26 24 16 00-0216	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,276.95	
26 24 16 00-0217		240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0173)*		
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0218		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0217)*		
26 24 16 00-0219	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	646.63	
26 24 16 00-0220	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	758.01	
26 24 16 00-0221	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	848.45	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0222	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	950.48	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0223	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,092.30	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0224	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,207.13	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0225	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,390.33	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0226	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,495.17	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0227	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,609.35	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0228	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,721.24	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0229	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,905.72	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0230	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,271.72	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0231		**Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0217)*		
26 24 16 00-0232	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,002.76	
26 24 16 00-0233	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,129.16	
26 24 16 00-0234	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,273.30	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0235	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,909.90	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0236	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,065.03	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0237	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,201.92	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0238	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,077.74	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0239	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,231.99	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0240	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,361.24	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0241		**Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0217)*		
26 24 16 00-0242	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,272.22	
26 24 16 00-0243	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,376.45	
26 24 16 00-0244	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,459.14	
26 24 16 00-0245	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,554.03	
26 24 16 00-0246	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,692.86	
26 24 16 00-0247	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,796.38	
26 24 16 00-0248	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,095.16	
26 24 16 00-0249	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,192.26	
26 24 16 00-0250	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,299.29	
26 24 16 00-0251	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,465.99	
26 24 16 00-0252	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,636.77	
26 24 16 00-0253	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,002.76	
26 24 16 00-0254		**Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0217)*		
26 24 16 00-0255	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,621.20	
26 24 16 00-0256	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,739.85	
26 24 16 00-0257	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,879.82	
26 24 16 00-0258	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,629.03	
26 24 16 00-0259	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,769.86	
26 24 16 00-0260	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,896.02	
26 24 16 00-0261	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,381.58	
26 24 16 00-0262	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,542.03	
26 24 16 00-0263	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,681.77	
26 24 16 00-0264		**480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0173)* Note: As manufactured by Square D or equal.		
26 24 16 00-0265		**Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0264)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0266	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	945.74	
26 24 16 00-0267	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,032.12	
26 24 16 00-0268	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,415.18	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0269	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,573.14	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0270	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,709.24	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0271	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,686.17	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0272	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,771.03	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0273	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,920.47	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0274	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,973.43	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0275	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,114.63	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0276	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,304.86	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0277 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0278	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,970.64	
26 24 16 00-0279	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,033.14	
26 24 16 00-0280	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,205.04	
26 24 16 00-0281	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,316.98	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0282	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,526.91	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0283	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,287.78	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0284	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,424.48	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0285	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,597.74	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0286	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,683.38	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0287	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,851.27	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0288	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,007.34	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0289 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0290	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,549.88	
26 24 16 00-0291	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,636.26	
26 24 16 00-0292	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,005.02	
26 24 16 00-0293	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,266.65	
26 24 16 00-0294	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,390.84	
26 24 16 00-0295	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,367.77	
26 24 16 00-0296	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,434.75	
26 24 16 00-0297	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,558.57	
26 24 16 00-0298	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,671.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0299	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,797.64	
26 24 16 00-0300	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,956.29	

26 24 16 00-0301 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0264)*

26 24 16 00-0302	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,703.47	
26 24 16 00-0303	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,765.98	
26 24 16 00-0304	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,800.25	
26 24 16 00-0305	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,906.82	
26 24 16 00-0306	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,220.42	
26 24 16 00-0307	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,969.37	
26 24 16 00-0308	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,088.20	
26 24 16 00-0309	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,235.84	
26 24 16 00-0310	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,321.48	
26 24 16 00-0311	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,472.92	
26 24 16 00-0312	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,626.37	

26 24 16 00-0313 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0173)*

Note: As manufactured by Square D or equal.

26 24 16 00-0314 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0315	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	986.25	
26 24 16 00-0316	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,073.23	
26 24 16 00-0317	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,238.70	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0318	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,474.79	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0319	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,634.02	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0320	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,768.97	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0321	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,765.09	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0322	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,868.74	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0323	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,017.10	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0324	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,070.38	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0325	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,211.96	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0326	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,402.79	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0327 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0328	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,179.17	
26 24 16 00-0329	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,242.27	
26 24 16 00-0330	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,427.32	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0331	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,491.66	
26 24 16 00-0332	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,604.14	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0333	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,813.44	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0334	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,624.12	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0335	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,762.47	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0336	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,933.91	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	
26 24 16 00-0337	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,086.40	
		For Door-In-Door (Hinged) Trim Front, Add	*70.74*	
26 24 16 00-0338	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,256.05	
		For Door-In-Door (Hinged) Trim Front, Add	*120.82*	
26 24 16 00-0339	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,411.88	
		For Door-In-Door (Hinged) Trim Front, Add	*154.42*	

26 24 16 00-0340 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0341	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,590.39	
26 24 16 00-0342	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,677.37	
26 24 16 00-0343	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,833.90	
26 24 16 00-0344	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,064.63	
26 24 16 00-0345	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,327.53	
26 24 16 00-0346	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,450.57	
26 24 16 00-0347	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,448.47	
26 24 16 00-0348	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,532.46	
26 24 16 00-0349	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,655.20	
26 24 16 00-0350	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,768.06	
26 24 16 00-0351	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,894.75	
26 24 16 00-0352	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,053.40	

26 24 16 00-0353 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0313)*

26 24 16 00-0354	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,769.01	
26 24 16 00-0355	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,832.11	
26 24 16 00-0356	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,120.83	
26 24 16 00-0357	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,086.87	
26 24 16 00-0358	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,193.98	
26 24 16 00-0359	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,506.95	
26 24 16 00-0360	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,305.71	
26 24 16 00-0361	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,426.19	
26 24 16 00-0362	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,572.01	
26 24 16 00-0363	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,724.50	
26 24 16 00-0364	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,877.47	
26 24 16 00-0365	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,030.32	

26 24 16 00-0366 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0367 Residential Type Unassembled Load Center *(26 24 16 00-0366)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0368 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0367)*

26 24 16 00-0369	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	117.66	39.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0370	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	375.89	159.95
26 24 16 00-0371	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	577.82	228.33
26 24 16 00-0372	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,241.00	479.93
26 24 16 00-0373	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,360.79	519.84
26 24 16 00-0374		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0367)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0375	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	172.33	43.98
26 24 16 00-0376	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	330.73	47.98
26 24 16 00-0377		**Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0367)*		
26 24 16 00-0378	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	175.78	43.98
26 24 16 00-0379	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	196.84	47.98
26 24 16 00-0380	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	646.87	228.33
26 24 16 00-0381	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,465.86	519.84
26 24 16 00-0382		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0367)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0383	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	224.86	43.98
26 24 16 00-0384	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,433.28	479.93
26 24 16 00-0385		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt** *(26 24 16 00-0367)*		
26 24 16 00-0386	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,568.22	479.93
26 24 16 00-0387	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,703.02	519.84
26 24 16 00-0388	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	6,724.84	799.75
26 24 16 00-0389		**Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0367)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0390	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,440.00	479.93
26 24 16 00-0391	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,664.11	519.84
26 24 16 00-0392	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	7,458.38	799.75
26 24 16 00-0393		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0367)*		
26 24 16 00-0394	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,665.78	479.93
26 24 16 00-0395	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,869.63	519.84
26 24 16 00-0396		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0367)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0397	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,601.81	479.93
26 24 16 00-0398	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,681.67	519.84
26 24 16 00-0399		**Panel Mounted Accessories And Fuseholders** *(26 24 16 00-0001)*		
26 24 16 00-0400		**Midget Finger-Safe Fuse Holders** *(26 24 16 00-0399)* Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0401	EA	1 Pole Midget Finger-Safe Fuse Holder	48.84	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 24 16 00-0402	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	56.82	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 24 16 00-0403	EA	2 Pole Midget Finger-Safe Fuse Holder	78.33	21.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 24 16 00-0404	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	99.16	21.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 24 16 00-0405	EA	3 Pole Midget Finger-Safe Fuse Holder	114.28	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0406	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	141.95	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 24 16 00-0407	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	165.10	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 24 16 00-0408	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	134.41	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 24 16 00-0409	EA	4 Pole Midget Finger-Safe Fuse Holder	143.86	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 24 16 00-0410	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	174.25	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 24 16 00-0411	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	56.85	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 24 16 00-0412	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	61.08	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 24 16 00-0413	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	57.63	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	

26 24 16 00-0414 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

26 24 16 00-0415	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,005.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*299.91*	
26 24 16 00-0416	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	53.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 24 16 00-0417	EA	Panelboard Filler Plate, Fits 1" Opening	4.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.75*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	1,526.77	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	1,807.06	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	2,685.29	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,862.23	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	9,783.41	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,455.61	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	1,526.77	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	1,807.06	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	2,685.29	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	4,862.23	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	9,783.41	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	16,455.61	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,208.50	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	2,940.87	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	4,211.96	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,363.83	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	14,484.74	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,957.01	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	2,208.50	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	2,940.87	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	4,211.96	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	7,363.83	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	14,484.74	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	24,957.01	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	2,690.39	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	3,695.82	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	5,434.95	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.83*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,701.93	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,063.36	175.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	2,690.39	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	3,695.82	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	5,434.95	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.83*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	9,701.93	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	16,063.36	175.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,099.66	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	4,609.09	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	6,306.26	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	11,839.85	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	20,506.20	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,099.66	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	4,609.09	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	6,306.26	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	11,839.85	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	20,506.20	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	4,580.20	76.64
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	7,008.29	83.94
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,806.63	94.89
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,258.81	109.48
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	31,231.23	145.98
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	4,580.20	76.64
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	7,008.29	83.94
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	11,806.63	94.89
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	18,258.81	109.48
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	31,231.23	145.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	3,136.69	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	4,049.90	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	7,109.33	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	12,107.45	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	16,630.80	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	3,136.69	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	4,049.90	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	7,109.33	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	12,107.45	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	16,630.80	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	12,908.66	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	13,696.28	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	15,125.12	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	22,893.11	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	31,218.99	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	42,364.64	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	12,908.66	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	13,696.28	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	15,125.12	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	22,893.11	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	31,218.99	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	42,364.64	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	
26 24 19 00-0092		**Combination Starters With Current Limiting Circuit Breakers** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	2,039.51	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	2,319.80	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	3,582.23	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,593.99	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,796.82	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,224.41	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0100		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	2,039.51	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	2,319.80	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	3,582.23	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	6,593.99	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	11,796.82	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	19,224.41	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0107		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	2,716.91	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,443.50	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,088.68	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	9,072.49	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	16,457.71	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0113		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	2,716.91	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,443.50	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,088.68	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	9,072.49	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	16,457.71	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,190.13	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	4,188.34	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	6,297.22	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.83*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	11,390.37	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	18,020.45	175.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	3,190.13	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	4,188.34	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	6,297.22	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.83*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	11,390.37	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	18,020.45	175.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,672.39	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	5,173.21	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	7,251.79	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	13,602.94	142.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.40*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,541.10	167.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.73*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	3,672.39	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	5,173.21	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	7,251.79	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	13,602.94	142.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.40*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	22,541.10	167.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.73*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	5,065.50	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	8,152.20	83.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.36*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,772.38	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	20,860.07	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,317.79	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	5,065.50	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	8,152.20	83.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.36*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	13,772.38	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	20,860.07	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	34,317.79	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	3,636.43	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	4,539.54	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	7,965.83	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	14,097.76	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	20,793.39	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	3,636.43	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	4,539.54	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	7,965.83	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	14,097.76	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	20,793.39	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	

26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	13,323.19	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	14,106.47	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	15,520.87	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	23,220.97	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	31,473.20	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	44,107.97	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	

26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	13,323.22	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.94*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	14,106.47	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	15,520.87	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	23,220.97	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	31,473.20	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	44,107.97	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,359.23	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,872.06	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,150.37	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,551.18	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,006.35	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	16,058.41	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,359.23	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,872.06	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,150.37	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,551.18	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,006.35	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	16,058.41	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	2,189.72	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,258.63	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,208.56	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,484.64	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	13,049.06	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	22,176.65	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0203		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	2,189.72	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,258.63	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,208.56	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,484.64	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	13,049.06	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	22,176.65	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0210		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	2,569.06	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,528.27	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,543.28	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.83*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,889.69	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,747.05	175.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	2,569.06	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,528.27	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,543.28	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.83*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,889.69	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,747.05	175.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	2,923.45	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,453.10	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,407.36	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	12,905.77	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	2,923.45	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,453.10	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,407.36	80.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	12,905.77	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	4,422.77	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,801.23	83.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.36*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,990.99	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	17,343.09	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,131.16	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0238		480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	4,422.77	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,801.23	83.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.36*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,990.99	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	17,343.09	109.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.69*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,131.16	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0244		230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	3,155.46	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	4,174.12	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,635.59	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	13,209.49	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0249		480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	3,155.46	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	4,174.12	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,635.59	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	13,209.49	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0254		230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	12,907.22	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	13,696.28	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	15,125.12	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,893.11	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	31,218.99	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	42,364.64	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	
26 24 19 00-0261		480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	12,907.22	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.93*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	13,696.28	116.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.07*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	15,125.12	135.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.02*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,893.11	149.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.78*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	31,218.99	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	42,364.64	233.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0268		**Starter Accessories** *(26 24 19)* Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	108.10	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	225.32	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	322.09	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	80.88	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	114.10	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	192.10	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	47.66	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	40.44	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	102.76	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	127.05	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	248.50	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	127.05	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	145.74	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	175.63	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	207.40	
26 24 19 00-0285	EA	Blank Devices Panel	39.24	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	61.66	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	535.72	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable	485.27	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	728.69	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	61.66	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	87.82	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	61.66	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	87.82	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	87.82	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	127.05	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	315.77	
26 24 19 00-0297	EA	Heater Module	45.73	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	284.11	
26 24 19 00-0299	EA	JAM - Jam Protection Module	325.68	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	618.10	
26 24 19 00-0301	EA	ULM - Underload Module	296.58	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	65.14	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	121.96	
26 24 19 00-0304	EA	Type SIS Control Wire	51.28	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	65.14	
26 24 19 00-0306	EA	Ring Terminals Power	65.14	
26 24 19 00-0307	EA	14 Gauge Control Wire	51.28	
26 24 19 00-0308	EA	Wiremakers	65.14	
26 24 19 00-0309	EA	Wiring Diagram On Door	38.80	
26 24 19 00-0310	EA	Special Color Or Type Control Wire	47.12	
26 24 19 00-0311	EA	Current Transformer 12.5 VA	370.03	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,182.16	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,330.45	
26 24 19 00-0314		**Control Relays And Special Components** *(26 24 19 00-0268)*		
26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays	466.20	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays	547.98	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays	637.06	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays	706.61	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	627.52	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays	1,635.21	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays	2,058.13	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	577.13	
26 24 19 00-0323	EA	Phase Voltage, Control Relays	981.73	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays	1,374.12	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays	134.36	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	2,644.26	
26 24 19 00-0327	EA	UV-Relay, Control Relays	2,239.58	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	2,239.58	
26 24 19 00-0329	EA	Teleductor, Control Relays	1,012.27	
26 24 19 00-0330	EA	Current Transducer, Control Relays	2,722.29	
26 24 19 00-0331	EA	Watt Transducer, Control Relays	5,444.58	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	184.74	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	276.35	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	311.47	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	346.58	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	311.47	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	346.58	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	364.91	
26 24 19 00-0339		**Circuit Breaker Modifications/Accessories** *(26 24 19 00-0268)*		
26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	311.45	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	107.57	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	386.92	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker	1,783.65	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker	1,033.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,133.68	47.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,966.30	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	1,902.26	47.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	2,733.27	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	3,516.41	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	2,159.00	94.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.94*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	3,516.59	102.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.32*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	4,639.52	131.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.80*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	5,445.09	200.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.47*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	7,706.38	302.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.89*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	16,965.07	401.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*240.66*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	25,376.00	503.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.90*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	42,405.26	583.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.66*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,365.06	47.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	2,191.21	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,365.06	47.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	2,191.21	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	2,331.05	47.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.46*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	3,189.56	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	3,963.00	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	2,079.57	72.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	5,263.87	200.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.47*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	5,263.87	200.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.47*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	7,104.19	218.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.33*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	8,876.12	255.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.22*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	10,211.15	302.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.89*	

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,124.41	72.99
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,732.81	72.99
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	1,959.12	91.24
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	3,194.64	109.48
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	6,314.44	138.68
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	8,859.79	182.48
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	21,593.13	244.52
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	24,347.98	339.41

26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,103.52	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,139.12	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,176.33	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,349.47	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	1,462.73	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	1,487.05	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	1,990.22	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	2,242.64	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	5,213.41	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	2,766.89	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	3,833.20	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	5,973.90	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	5,532.17	
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	7,666.39	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	7,109.57	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	9,848.07	

26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	601.64	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,315.38	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	541.85	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,315.38	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	730.56	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	775.40	
26 24 19 00-0405	EA	Add For Additional Circuits	76.22	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	2,712.97	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	2,841.89	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	2,505.57	
26 24 19 00-0409	EA	Add For Demand Attachment	498.92	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer	749.24	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,292.96	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,505.96	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,255.59	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,350.88	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,033.24	
26 24 19 00-0416		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors	19,971.78	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors	29,084.73	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors	38,218.71	
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors	58,175.92	
26 24 19 00-0421		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	313.42	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	313.42	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	433.30	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	792.94	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	433.30	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	553.18	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	553.18	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	791.50	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	553.18	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	791.50	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	673.06	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,182.40	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	673.06	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	791.50	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,182.40	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,182.40	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	853.87	
26 24 19 00-0439	EA	Throat And Transition To Substation	1,648.39	
26 24 19 00-0440	EA	Service Entrance Label	356.98	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	746.19	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus	331.23	
26 24 19 00-0443		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	235.73	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	235.73	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	729.23	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	822.50	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	70.38	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	189.94	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	39.85	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	171.28	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	403.29	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	171.28	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	260.55	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	3,716.93	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	4,296.23	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	4,300.39	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	437.93	218.97
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	656.89	328.46
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	729.91	364.95
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	875.97	437.95
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	72.99	36.50
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	437.93	218.97
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	656.89	328.46
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	729.91	364.95
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	875.97	437.95
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	72.99	36.50
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	510.95	255.47
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	656.89	328.46
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	875.97	437.95
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,021.75	510.86
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	109.48	54.75
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	583.93	291.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	802.97	401.45
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,021.75	510.86
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,167.65	583.86
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	145.98	72.99
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	583.93	291.97
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	875.97	437.95
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,094.75	547.36
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	1,240.93	620.50
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	145.98	72.99

26 24 19 00-0484 Motor Control Centers *(26 24 19)*

26 24 19 00-0485 2.4 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	15,327.47	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	15,327.47	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	15,327.47	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	15,363.98	164.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.54*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	16,310.86	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	16,347.35	200.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.43*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	16,383.84	218.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.38*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	16,456.86	255.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.29*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	16,529.84	291.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.18*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	27,950.69	328.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.07*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	29,991.66	364.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.97*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	22,790.97	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	23,739.83	156.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.16*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	26,974.75	171.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.92*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	30,031.33	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	32,664.64	211.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.01*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	35,792.89	226.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.77*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	38,919.26	240.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.51*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	42,624.96	262.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.67*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	49,611.62	291.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.18*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	53,755.11	310.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.14*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	82,169.92	364.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.97*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	87,539.89	401.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*240.89*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	92,210.90	437.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.79*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	100,409.59	474.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.72*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	21,498.01	145.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	21,534.52	164.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.54*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	21,570.99	182.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.49*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	21,607.48	200.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.43*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	21,647.64	218.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.38*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	21,684.17	237.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.34*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	21,720.66	255.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.29*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	21,866.60	328.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.07*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	37,394.47	364.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.97*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	37,467.53	401.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*240.89*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	39,497.44	437.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.79*	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	8,440.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	8,698.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	13,342.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0525		**4.8 KV Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	16,641.33	218.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.38*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	16,677.86	237.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.34*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	16,714.35	255.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.29*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	16,750.86	273.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.24*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	17,688.54	291.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.18*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	17,725.08	310.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.14*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	17,761.50	328.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.07*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	17,798.06	346.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.04*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	17,834.52	364.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.97*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	30,311.96	474.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.72*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	30,384.66	510.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.53*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	32,416.41	547.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.43*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	32,489.31	583.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.30*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	23,198.09	218.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.38*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	23,492.11	237.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.34*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	27,409.33	255.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.29*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	30,471.33	273.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.24*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	33,082.69	291.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.18*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	36,218.29	310.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.14*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	39,160.65	328.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.07*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	43,050.35	346.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.04*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	49,891.87	364.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.97*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	54,537.42	383.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.93*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	59,219.48	419.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.83*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	63,098.12	437.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.79*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	66,755.94	456.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.72*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	71,878.00	474.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.72*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	114,048.87	583.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.30*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	126,849.45	620.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*372.28*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	152,533.23	656.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.13*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	161,370.61	656.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.13*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	22,881.20	255.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.29*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	22,917.71	273.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.24*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	22,954.18	291.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.18*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	22,990.72	310.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.14*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	24,965.67	328.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.07*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	25,002.23	346.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.04*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	25,038.69	364.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.97*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	25,075.20	383.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.93*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	25,111.75	401.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*240.89*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	25,330.53	510.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.53*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	41,115.86	547.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.43*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	43,138.31	583.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.30*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	43,138.31	583.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.30*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	6,659.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	6,862.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	10,509.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.79*	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp	8,669.16	145.98
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	10,419.78	218.97
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	3,410.09	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	183.44	10.95
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	987.93	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	530.07	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	1,578.67	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	101.10	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	335.09	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	101.10	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	306.20	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	814.61	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	814.61	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	2,436.61	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	1,679.77	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	328.10	10.95
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	2,357.94	36.50
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	4,502.41	18.25
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,545.18	18.25
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	3,061.14	10.95
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	4,430.22	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	459.60	36.50
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	328.65	36.50

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0484)*

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	999.60	219.13
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,728.39	387.88
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,035.07	496.64
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,287.95	799.75
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,899.09	879.72
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	5,170.60	975.69
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	6,010.11	1,143.64
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	10,983.64	1,332.38

26 24 19 00-0606 Main Lugs Only *(26 24 19 00-0484)*

26 24 19 00-0607	EA	600 Amp Incoming Section, Main Lugs	712.54	279.91
26 24 19 00-0608	EA	800 Amp Incoming Section, Main Lugs	769.16	279.91
26 24 19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs	1,056.29	439.86
26 24 19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs	2,845.65	799.75
26 24 19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs	4,364.89	1,159.64
26 24 19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs	6,300.26	1,599.50

26 24 19 00-0613 Incoming Main Circuit Breaker Structure *(26 24 19 00-0484)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA	225 Amp, Main Circuit Breaker Section	6,031.31	387.00
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amp, Main Circuit Breaker Section	13,084.12	497.12
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amp, Main Circuit Breaker Section	13,361.57	774.32
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0617	EA	800 Amp, Main Circuit Breaker Section	19,267.14	774.32
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section	28,098.91	876.12
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA	200 Amp, Fusible Main Disconnect Section	5,192.49	387.48
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amp, Fusible Main Disconnect Section	7,202.04	497.36
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	600 Amp, Fusible Main Disconnect Section	14,240.42	774.96
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amp, Fusible Main Disconnect Section	16,662.99	774.96
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section	23,653.60	876.92
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	857.58	162.35
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.57*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,004.53	162.35
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.53*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,473.02	230.32
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,456.33	303.10
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.76*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	4,533.22	379.08
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.20*	

26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	821.93	141.56
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.98*	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	962.97	141.56
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.06*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,423.52	204.73
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.04*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,405.83	277.51
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.61*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	4,492.50	354.29
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.99*	

26 24 19 00-0638 Class I, Type C *(26 24 19 00-0625)*

26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	881.86	131.15
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,029.45	131.15
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.08*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,541.22	195.93
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.61*	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,528.08	271.12
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.55*	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	4,609.96	347.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.27*	
26 24 19 00-0644		Class II, Type B *(26 24 19 00-0625)*		
26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	837.23	194.34
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.86*	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,193.23	194.34
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.66*	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,714.46	259.12
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.99*	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	2,865.51	331.90
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	5,314.22	405.47
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.83*	
26 24 19 00-0650		**Class II, Type C** *(26 24 19 00-0625)*		
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,084.45	183.95
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.23*	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,252.51	183.95
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.91*	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,836.73	251.12
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.33*	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	2,981.89	323.90
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.12*	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	5,442.25	399.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*240.89*	
26 24 19 00-0656		**Fused Disconnect Combination Starter** *(26 24 19 00-0484)*		
26 24 19 00-0657		**Class I, Type A** *(26 24 19 00-0656)*		
26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	776.03	149.56
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.06*	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,185.12	204.73
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	1,923.54	266.32
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.95*	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	2,624.69	373.49
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.65*	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	4,721.23	475.85
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*285.63*	

26 24 19 00-0663 Class I, Type B *(26 24 19 00-0656)*

26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	803.69	133.56
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.98*	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,079.93	183.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.86*	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,615.57	244.73
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.02*	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	2,740.40	353.49
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*212.70*	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	4,826.18	449.46
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.19*	

26 24 19 00-0669 Class I, Type C *(26 24 19 00-0656)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	861.70	124.76
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,156.16	169.54
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.53*	
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	1,775.41	235.93
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.81*	
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	2,899.51	347.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.27*	
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	4,553.02	444.66
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*266.58*	

26 24 19 00-0675 Class II, Type B *(26 24 19 00-0656)*

26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,000.69	187.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.33*	
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,298.75	233.53
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.82*	
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	1,908.94	300.71
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,164.43	405.47
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.83*	
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	5,557.58	506.24
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.93*	

26 24 19 00-0681 Class II, Type C *(26 24 19 00-0656)*

26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,052.02	175.95
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.23*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,374.71	220.73
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.41*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,047.77	287.11
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.36*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	3,309.79	395.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.02*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	5,701.75	490.25
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.02*	

26 24 19 00-0687 Space Complete With Bus And Hardware *(26 24 19 00-0484)*

26 24 19 00-0688 Circuit Breaker Type *(26 24 19 00-0687)*

26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	234.03	54.39
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	234.03	54.39
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	348.83	79.17
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	406.29	103.97
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	694.86	158.35
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0694 Fused Disconnect Type *(26 24 19 00-0687)*

26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	234.03	54.39
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	304.73	79.17
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	427.87	103.97
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	755.08	158.35
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,045.26	230.32
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0700 Blank Space For Future Expansion *(26 24 19 00-0687)*

Note: Factory modified no labor costs.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	125.66	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	125.66	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	190.52	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	190.52	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	379.01	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	2,884.61	420.91
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	4,535.75	1,096.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway)	4,535.75	1,096.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	5,087.95	1,096.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA	Corner Section	5,087.95	1,096.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0484)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,268.72	153.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.36*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,412.57	170.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.44*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,495.72	229.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.73*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,641.26	302.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.60*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	8,520.14	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.94*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	20,283.97	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.94*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,296.58	133.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.89*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,462.48	149.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.97*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,572.76	204.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.84*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,661.39	277.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.52*	
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	8,550.67	358.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.99*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	20,441.08	358.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.99*	

26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,069.99	192.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.57*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,555.83	213.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.89*	
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,257.68	286.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.87*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,404.88	378.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.20*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	13,520.61	473.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.27*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,122.99	166.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.80*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,631.31	187.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.54*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,359.31	256.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.80*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,447.33	347.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.27*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	13,575.18	448.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.97*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,281.11	192.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.57*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,289.13	213.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.89*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	6,288.68	286.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.87*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	8,571.68	378.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.20*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	17,384.15	473.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.27*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,334.11	166.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.80*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,364.61	187.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.54*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	6,390.31	256.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.80*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	8,614.13	347.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.27*	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	17,438.72	448.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0749		**Motor Control Center Starters With Fusible Disconnect** *(26 24 19 00-0484)* Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750		**FVNR Starters With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,005.36	150.11
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,304.61	204.01
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,227.77	265.84
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	3,808.70	374.44
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	7,847.35	476.01
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	20,407.72	476.01
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,039.88	133.08
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,353.57	182.74
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,312.74	245.05
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	3,839.23	354.53
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	7,866.25	450.33
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	20,553.29	450.33
26 24 19 00-0763		**Two Speed 2-Winding (TS2W) With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,781.89	187.95
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,487.55	255.04
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,895.82	332.14
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,326.55	469.37
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	13,698.34	549.26
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,843.37	166.35
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,560.67	228.25
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,006.74	306.62
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,378.12	442.35
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	13,741.28	518.00
26 24 19 00-0774		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,099.99	187.95
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,232.11	255.04
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,947.93	332.14
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	8,754.43	469.37
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	16,776.50	549.26
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,162.40	166.35
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,305.22	228.25
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,058.85	306.62
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	8,805.99	442.35
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	16,819.45	518.00
26 24 19 00-0785		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0484)* Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA	600 Amp Horizontal Tin Plated Copper Bus Kit	233.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 24 19 00-0787	EA	800 Amp Horizontal Tin Plated Copper Bus Kit	288.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 24 19 00-0788	EA	1,200 Amp Horizontal Tin Plated Copper Bus Kit	346.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 24 19 00-0789	EA	1,600 Amp Horizontal Tin Plated Copper Bus Kit	453.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 24 19 00-0790	EA	2,000 Amp Horizontal Tin Plated Copper Bus Kit	765.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	132.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 24 19 00-0792		**Disconnect Switch For Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0793		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)* Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	677.26	115.57
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,196.67	127.96
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,457.41	172.35
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	2,427.40	227.13
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	4,210.65	283.91
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	4,809.48	283.91
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	9,943.82	355.48
26 24 19 00-0801		**Fusible Disconnect Switch For Motor Control Center** *(26 24 19 00-0792)* Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	689.19	112.36
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	798.94	153.16
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,104.07	195.93
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,113.91	280.71
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	3,848.53	357.01
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	9,140.67	357.01
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	11,296.69	446.27
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	16,836.54	446.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0810		**Control Circuit Transformer** *(26 24 19 00-0484)*		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	67.04	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	67.04	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	129.11	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	129.11	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	179.37	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	43.02	9.06
26 24 19 00-0817		**Cover Mounted Control Devices** *(26 24 19 00-0484)*		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	100.37	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.00*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	111.18	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	96.96	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	248.29	54.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.78*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	330.03	20.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 24 19 00-0823		**Extra Interlocks** *(26 24 19 00-0484)* Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	64.20	10.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	92.23	10.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	104.90	10.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.25*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	95.13	10.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	102.26	10.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 24 19 00-0829		**Special Cabinet Provisions** *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	839.23	
26 24 19 00-0831		**Nameplate Requirements** *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	29.80	
26 24 19 00-0833		**Auxiliary Relays** *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	150.40	20.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	141.44	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	74.54	18.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 24 19 00-0837		**Motor Control Center Accessories** *(26 24 19 00-0484)*		
26 24 19 00-0838		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0837)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,686.65	256.12
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,872.67	266.37
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,334.37	286.86
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,741.53	307.34
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	9,121.75	327.83
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	11,227.99	368.80
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	14,803.29	409.78
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,580.13	338.07
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,320.86	368.80
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,668.52	409.78
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,307.42	450.76
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,677.44	491.74
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	14,095.63	532.72
26 24 19 00-0852		**Bolt-On Lighting Panel** *(26 24 19 00-0837)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	1,742.79	416.19
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,659.25	724.41
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,520.63	980.09
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	1,811.03	450.33
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,628.43	708.97
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,643.13	1,041.36
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,110.39	482.73
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,039.72	774.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,991.50	1,041.36
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,186.32	520.64
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,039.72	774.96
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,058.69	1,074.94
26 24 19 00-0865		Factory Installed Bolt-On Branch Circuit Breaker *(26 24 19 00-0837)*		
		Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	17.89	
26 24 19 00-0867	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	258.64	
26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	34.97	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	80.52	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	94.34	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	143.14	
26 24 19 00-0872		Blank Unit Door (BUD) *(26 24 19 00-0837)*		
		Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	68.97	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	82.76	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	124.15	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	165.53	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	248.29	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.67	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	331.06	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

26 25 13 00-0001		Plug-In Bus Duct *(26 25 13)*		
		Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	263.41	24.00
		For Up To 25, Add	*65.85*	
		For >25 To 50, Add	*39.51*	
		For >50 To 100, Add	*19.76*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	378.75	24.00
		For Up To 25, Add	*94.69*	
		For >25 To 50, Add	*56.81*	
		For >50 To 100, Add	*28.41*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	482.26	31.99
		For Up To 25, Add	*120.57*	
		For >25 To 50, Add	*72.34*	
		For >50 To 100, Add	*36.17*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	672.98	31.99
		For Up To 25, Add	*168.25*	
		For >25 To 50, Add	*100.95*	
		For >50 To 100, Add	*50.47*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	709.50	39.98
		For Up To 25, Add	*177.38*	
		For >25 To 50, Add	*106.43*	
		For >50 To 100, Add	*53.21*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	996.90	39.98
		For Up To 25, Add	*249.23*	
		For >25 To 50, Add	*149.54*	
		For >50 To 100, Add	*74.77*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,170.87	41.99
		For Up To 25, Add	*292.72*	
		For >25 To 50, Add	*175.63*	
		For >50 To 100, Add	*87.82*	
26 25 13 00-0010	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,431.89	43.19
		For Up To 25, Add	*357.97*	
		For >25 To 50, Add	*214.78*	
		For >50 To 100, Add	*107.39*	
26 25 13 00-0011	LF	2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,773.24	45.59
		For Up To 25, Add	*443.31*	
		For >25 To 50, Add	*265.99*	
		For >50 To 100, Add	*132.99*	
26 25 13 00-0012	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,047.06	53.18
		For Up To 25, Add	*511.77*	
		For >25 To 50, Add	*307.06*	
		For >50 To 100, Add	*153.53*	
26 25 13 00-0013	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,371.79	57.98
		For Up To 25, Add	*592.95*	
		For >25 To 50, Add	*355.77*	
		For >50 To 100, Add	*177.88*	
26 25 13 00-0014		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*		
26 25 13 00-0015	LF	225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	444.76	24.00
		For Up To 25, Add	*111.19*	
		For >25 To 50, Add	*66.71*	
		For >50 To 100, Add	*33.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0016	LF	400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	647.62	24.00
		For Up To 25, Add	*161.91*	
		For >25 To 50, Add	*97.14*	
		For >50 To 100, Add	*48.57*	
26 25 13 00-0017	LF	600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	732.28	31.99
		For Up To 25, Add	*183.07*	
		For >25 To 50, Add	*109.84*	
		For >50 To 100, Add	*54.92*	
26 25 13 00-0018	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	934.88	31.99
		For Up To 25, Add	*233.72*	
		For >25 To 50, Add	*140.23*	
		For >50 To 100, Add	*70.12*	
26 25 13 00-0019	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,143.71	39.98
		For Up To 25, Add	*285.93*	
		For >25 To 50, Add	*171.56*	
		For >50 To 100, Add	*85.78*	
26 25 13 00-0020	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,488.59	39.98
		For Up To 25, Add	*372.15*	
		For >25 To 50, Add	*223.29*	
		For >50 To 100, Add	*111.64*	
26 25 13 00-0021	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,929.30	41.43
		For Up To 25, Add	*482.33*	
		For >25 To 50, Add	*289.40*	
		For >50 To 100, Add	*144.70*	
26 25 13 00-0022	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,328.86	43.19
		For Up To 25, Add	*582.22*	
		For >25 To 50, Add	*349.33*	
		For >50 To 100, Add	*174.66*	
26 25 13 00-0023	LF	2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,894.55	45.18
		For Up To 25, Add	*723.64*	
		For >25 To 50, Add	*434.18*	
		For >50 To 100, Add	*217.09*	
26 25 13 00-0024	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,340.92	53.18
		For Up To 25, Add	*835.23*	
		For >25 To 50, Add	*501.14*	
		For >50 To 100, Add	*250.57*	
26 25 13 00-0025	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,875.66	57.98
		For Up To 25, Add	*968.92*	
		For >25 To 50, Add	*581.35*	
		For >50 To 100, Add	*290.67*	

26 25 13 00-0026 Cable Tap Boxes *(26 25 13 00-0001)*

26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0028	EA	225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,242.88	111.97
26 25 13 00-0029	EA	400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,301.87	111.97
26 25 13 00-0030	EA	600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,478.53	151.95
26 25 13 00-0031	EA	800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,626.58	151.95
26 25 13 00-0032	EA	1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,808.90	199.93
26 25 13 00-0033	EA	1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,074.47	199.93

26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0035	EA	225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,301.87	219.93
26 25 13 00-0036	EA	400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,487.71	219.93
26 25 13 00-0037	EA	600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,644.11	299.91
26 25 13 00-0038	EA	800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,968.81	299.91
26 25 13 00-0039	EA	1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,108.24	399.88
26 25 13 00-0040	EA	1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,541.25	399.88

26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*

26 25 13 00-0042 240 Volt, 3-Phase *(26 25 13 00-0041)*

26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	986.74	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.75*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,010.12	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.16*	

26 25 13 00-0045 600 Volt, 3-Phase *(26 25 13 00-0041)*

26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	1,968.76	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.75*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,550.76	79.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.16*	

26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*

26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,136.88	95.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,353.95	95.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.48*	

26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*

26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,312.30	95.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,040.83	95.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.48*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,901.24	331.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.84*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	6,971.60	331.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*312.41*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,658.51	959.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*434.65*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	9,238.72	959.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*768.99*	

26 25 13 00-0058 Bus Duct Plug-In Fusible Switch *(26 25 13 00-0001)*

26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	984.32	79.98
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,073.92	79.98
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,494.25	95.97
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,513.32	191.94
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,412.63	431.86
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,473.08	751.76

26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,032.28	87.97
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,119.17	87.97
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,513.54	87.97
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,587.33	183.95
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,391.27	415.87
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,624.54	799.75
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,037.79	1,039.67

26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse *(26 25 13 00-0058)*

26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,142.22	103.97
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,216.02	103.97
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,645.46	103.97
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,792.56	215.93
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,016.59	479.85
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,185.69	735.77

26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,182.56	103.97
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,256.36	88.21
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,762.03	119.96
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,916.54	215.93
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,016.59	479.85
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,185.69	735.77
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,315.26	975.69

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	819.34	33.59
		For Up To 25, Add	*204.84*	
		For >25 To 50, Add	*122.90*	
		For >50 To 100, Add	*61.45*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	828.69	33.59
		For Up To 25, Add	*207.17*	
		For >25 To 50, Add	*124.30*	
		For >50 To 100, Add	*62.15*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,090.53	33.59
		For Up To 25, Add	*272.63*	
		For >25 To 50, Add	*163.58*	
		For >50 To 100, Add	*81.79*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,313.52	33.59
		For Up To 25, Add	*328.38*	
		For >25 To 50, Add	*197.03*	
		For >50 To 100, Add	*98.51*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,607.99	33.59
		For Up To 25, Add	*402.00*	
		For >25 To 50, Add	*241.20*	
		For >50 To 100, Add	*120.60*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,192.86	79.98
		For Up To 25, Add	*548.22*	
		For >25 To 50, Add	*328.93*	
		For >50 To 100, Add	*164.46*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,038.80	79.98
		For Up To 25, Add	*759.70*	
		For >25 To 50, Add	*455.82*	
		For >50 To 100, Add	*227.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,594.98	79.98
		For Up To 25, Add	*898.75*	
		For >25 To 50, Add	*539.25*	
		For >50 To 100, Add	*269.62*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,433.93	79.98
		For Up To 25, Add	*1,108.48*	
		For >25 To 50, Add	*665.09*	
		For >50 To 100, Add	*332.54*	
26 25 16 00-0012		277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*		
		Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	943.07	35.99
		For Up To 25, Add	*235.77*	
		For >25 To 50, Add	*141.46*	
		For >50 To 100, Add	*70.73*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	954.88	35.99
		For Up To 25, Add	*238.72*	
		For >25 To 50, Add	*143.23*	
		For >50 To 100, Add	*71.62*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,234.07	35.99
		For Up To 25, Add	*308.52*	
		For >25 To 50, Add	*185.11*	
		For >50 To 100, Add	*92.56*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,463.33	35.99
		For Up To 25, Add	*365.83*	
		For >25 To 50, Add	*219.50*	
		For >50 To 100, Add	*109.75*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,769.68	35.99
		For Up To 25, Add	*442.42*	
		For >25 To 50, Add	*265.45*	
		For >50 To 100, Add	*132.73*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,726.13	61.58
		For Up To 25, Add	*681.53*	
		For >25 To 50, Add	*408.92*	
		For >50 To 100, Add	*204.46*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,420.22	61.58
		For Up To 25, Add	*855.06*	
		For >25 To 50, Add	*513.03*	
		For >50 To 100, Add	*256.52*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,045.65	114.37
		For Up To 25, Add	*1,011.41*	
		For >25 To 50, Add	*606.85*	
		For >50 To 100, Add	*303.42*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,997.40	114.37
		For Up To 25, Add	*1,249.35*	
		For >25 To 50, Add	*749.61*	
		For >50 To 100, Add	*374.81*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	205.77	51.98
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	219.49	51.98
26 27 13 00-0005	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	278.80	63.98
26 27 13 00-0006	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	282.70	63.98
26 27 13 00-0007	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	572.20	71.98
26 27 13 00-0008	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	768.75	79.98
26 27 13 00-0009	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,953.93	87.97
26 27 13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,095.24	399.88

26 27 13 00-0011 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA	100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	217.38	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.84*	
26 27 13 00-0013	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	626.97	16.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.01*	

26 27 13 00-0014 Current Transformer Enclosure *(26 27 13 00-0001)*

26 27 13 00-0015	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	418.23	103.97

26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0016)*

26 27 13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	854.29	49.99
26 27 13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,127.20	59.98
26 27 13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,398.63	69.98
26 27 13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,621.26	79.98
26 27 13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,117.52	89.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,285.41	99.97
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,665.60	119.96
26 27 13 00-0025		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,593.82	49.99
26 27 13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,101.91	59.98
26 27 13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,896.22	79.98
26 27 13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	3,212.03	89.97
26 27 13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	4,045.49	99.97
26 27 13 00-0031		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,311.37	69.98
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,727.76	79.98
26 27 13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,117.52	89.97
26 27 13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,492.48	99.97
26 27 13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,148.47	109.97
26 27 13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,301.60	119.96
26 27 13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,095.89	139.95
26 27 13 00-0039		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,047.94	69.98
26 27 13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,689.15	79.98
26 27 13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,794.05	99.97
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,065.49	109.97
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,209.56	119.96
26 27 13 00-0045		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0046		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0047	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	927.53	59.98
26 27 13 00-0048	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,216.71	69.98
26 27 13 00-0049	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,504.42	79.98
26 27 13 00-0050	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,747.76	89.97
26 27 13 00-0051	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,152.29	99.97
26 27 13 00-0052	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,320.20	109.97
26 27 13 00-0053	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,863.08	129.96
26 27 13 00-0054		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0055	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,672.98	59.98
26 27 13 00-0056	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,210.65	69.98
26 27 13 00-0057	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,197.24	89.97
26 27 13 00-0058	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,513.03	99.97
26 27 13 00-0059	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,257.79	109.97
26 27 13 00-0060		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,384.62	79.98
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,806.93	89.97
26 27 13 00-0063	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,241.06	99.97
26 27 13 00-0064	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,616.03	109.97
26 27 13 00-0065	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,301.63	119.96
26 27 13 00-0066	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,454.70	129.96
26 27 13 00-0067	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,308.20	149.96
26 27 13 00-0068		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0069	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,141.90	79.98
26 27 13 00-0070	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,827.48	89.97
26 27 13 00-0071	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,065.51	109.97
26 27 13 00-0072	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,248.20	119.96
26 27 13 00-0073	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,407.07	129.96
26 27 13 00-0074		**120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0075		**800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0074)*		
26 27 13 00-0076	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	854.29	49.99
26 27 13 00-0077	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,127.20	59.98
26 27 13 00-0078	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,621.26	79.98
26 27 13 00-0079	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,117.52	89.97
26 27 13 00-0080	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,625.59	99.97

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0081		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,593.82	49.99
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,101.90	59.98
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,044.12	79.98
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,359.93	89.97
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,045.49	99.97
26 27 13 00-0087		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,311.37	69.98
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,727.76	79.98
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,492.48	99.97
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,148.47	109.97
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,301.60	119.96
26 27 13 00-0093		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,047.95	69.98
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,689.15	79.98
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,794.05	99.97
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,065.49	109.97
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,209.59	119.96
26 27 13 00-0099		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0100		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	927.53	59.98
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,216.71	69.98
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,747.76	89.97
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,300.20	99.97
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,616.01	109.97
26 27 13 00-0106		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,672.97	59.98
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,210.64	69.98
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,049.33	89.97
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,365.12	99.97
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,257.77	109.97
26 27 13 00-0112		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,384.61	79.98
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,806.92	89.97
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,616.01	109.97
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,301.60	119.96
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,454.70	129.96
26 27 13 00-0118		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,141.89	79.98
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,827.47	89.97
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,065.49	109.97
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,248.20	119.96
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,407.07	129.96
26 27 13 00-0124		Watt/Hour Meters *(26 27 13)*		
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	896.22	47.98
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	2,767.83	95.97
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,451.50	71.98
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,789.29	71.98
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,501.12	71.98
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,024.22	66.38
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,747.58	119.96
26 27 13 00-0132		Watt/Hour Meter Systems *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133		Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0132)*		
26 27 13 00-0134	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	4,388.79	479.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0135	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,185.97	479.93
26 27 13 00-0136		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0132)*		
26 27 13 00-0137	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	7,888.83	479.93
26 27 13 00-0138	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	9,627.13	479.93
26 27 13 00-0139	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,364.33	479.93
26 27 16		**Electrical Cabinets And Enclosures** *(26 27)*		
26 27 16 00-0001		**NEMA 1 Enclosures, Lockable** *(26 27 16)*		
26 27 16 00-0002		**Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0003		**4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	51.04	16.00
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	57.27	17.59
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	63.57	19.19
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	74.21	22.39
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	80.88	24.00
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	88.04	25.59
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	87.78	25.59
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.12	27.19
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.83	28.79
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	133.25	38.39
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	161.66	46.39
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	153.51	44.78
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	64.06	19.19
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	77.87	22.39
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.91	27.19
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.44	28.79
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	108.13	30.39
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	116.16	31.99
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	147.41	41.59
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	178.64	51.19
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	172.25	49.59
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	224.38	63.98
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	288.84	73.58
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	330.44	79.98
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	368.29	84.78
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	402.13	87.97
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	260.22	63.98
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	34.96	11.20
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	49.96	16.00
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	55.73	17.59
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	39.08	12.80
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	48.45	16.00
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	54.12	17.59
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	59.89	19.19
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	69.88	22.39
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	75.92	24.00
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.28	25.59
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.04	25.59
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	88.67	27.19
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.49	28.79
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	124.90	38.39
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	154.76	47.98
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	143.61	44.78
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	186.01	57.58
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	268.63	71.98
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	60.22	19.19
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	66.44	20.80
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	76.58	24.00
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	86.94	27.19
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	93.67	28.79
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	100.47	30.39
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	107.54	31.99
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	137.68	41.59
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	169.16	51.19
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	160.76	49.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	209.03	63.98
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	261.11	73.58
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	299.26	79.98
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	323.12	84.78
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	353.46	87.97
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	86.94	27.19
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	118.62	35.19
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	150.80	44.78
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	187.16	55.98
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	178.88	54.39
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	221.60	67.18
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	247.11	76.78
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	286.66	81.58
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	330.00	87.97
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	351.14	92.78
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	368.92	95.97
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	378.70	95.97
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	203.01	60.78
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	267.18	78.37
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	270.43	83.17
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	350.94	89.57
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	403.91	99.17
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	448.28	102.37
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	478.20	107.17
26 27 16 00-0090		**12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	294.98	86.37
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	293.77	91.17
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	385.86	99.17
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	440.87	108.76
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	494.76	113.56
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	521.85	118.36
26 27 16 00-0097		**NEMA 1 Enclosures For Up To 6 Boards, Lockable** *(26 27 16)*		
26 27 16 00-0098		**4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	722.27	70.37
26 27 16 00-0100		**NEMA 12 Enclosures, Lockable** *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		**Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0102		**4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	73.79	12.80
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	95.97	17.59
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	118.66	22.39
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	128.50	24.00
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	144.42	25.59
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	155.61	27.19
26 27 16 00-0109		**6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	106.59	19.19
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	117.48	20.80
26 27 16 00-0112		**Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0113		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	151.05	12.80
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	180.80	17.59
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	204.58	19.19
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	233.98	22.39
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	240.50	24.00
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	284.51	25.59
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	305.53	27.19
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	348.04	28.79
26 27 16 00-0122		**6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	220.51	19.19
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	249.44	20.80
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	271.67	24.00
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	321.25	28.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	348.75	31.99
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	484.78	41.59
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	751.32	63.98
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	985.91	73.58
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,112.08	79.98
26 27 16 00-0132		**8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,027.18	81.58
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,184.82	87.97
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,303.07	92.78
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,437.79	95.97
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,417.76	95.97
26 27 16 00-0138		**Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0139		**8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	4,566.35	129.96
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	4,608.81	143.95
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	5,288.32	153.95
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,081.70	191.94
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,789.28	226.32
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	4,905.88	226.32
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	5,470.60	239.93
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,215.86	255.92
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,862.93	255.92
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	224.40	55.98
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	242.19	55.98
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	313.53	57.98
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	325.64	57.98
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	412.97	59.98
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	310.26	57.98
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	341.91	57.98
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	356.55	59.98
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.79	59.98
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	499.43	63.98
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	537.87	67.98
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	560.99	67.98
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	670.40	69.98
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	728.49	71.98
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,003.04	79.98
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	479.68	61.98
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	606.98	69.98
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	714.27	71.98
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	825.93	73.98
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	880.47	73.98
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,002.75	79.98
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,160.69	89.97
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,093.33	85.97
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,127.91	159.95
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,710.69	199.93
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	888.37	75.98
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,340.40	99.97
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,362.68	99.97
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,841.60	149.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,437.36	159.95
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,224.61	279.91
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,254.13	199.93
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,026.07	239.93
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,126.29	219.93
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)* Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	69.19	16.00
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	76.40	17.59
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	110.68	17.59
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	144.40	24.00
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	161.27	27.19
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	189.59	30.39
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	205.16	31.99
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	267.12	41.59
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	319.08	51.19
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	363.18	63.98
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	555.22	81.58
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	616.36	87.97
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	695.30	92.78
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	731.68	95.97
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	688.93	99.17
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	778.24	111.97
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	861.55	123.96
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	949.27	136.76
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,033.38	148.75
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	445.27	78.37
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	688.93	99.17
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	819.23	102.37
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,041.16	111.97
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	672.25	79.17
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	753.72	88.78
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	834.39	98.37
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	922.96	108.76
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,004.43	118.36
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	502.21	59.18
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	672.25	79.17
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	753.72	88.78
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	887.52	103.97
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,004.43	118.36
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	953.65	116.76
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,004.43	118.36
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,058.76	121.56
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,181.12	127.96
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,282.06	134.36
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	49.11	12.80
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	59.25	16.00
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	65.43	17.59
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	72.62	19.19
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	84.31	22.39
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.98	24.00
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	100.35	25.59
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	99.88	25.59
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	109.34	27.19
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	117.70	28.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.56	44.78
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	237.29	57.58
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	67.95	19.19
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	93.25	24.00
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	105.63	27.19
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	114.65	28.79
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	113.95	28.79
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	123.53	30.39
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	133.20	31.99
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	173.87	41.59
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	199.76	49.59
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	267.06	63.98
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	278.33	68.78
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	319.31	73.58
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	360.34	79.98
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	149.23	35.19
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	215.32	54.39
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	295.58	70.37
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	353.27	81.58
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	400.73	87.97
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	446.36	92.78
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	325.90	78.37
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	440.08	99.17
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	484.33	102.37
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	486.34	108.76
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	685.23	118.36
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	708.37	121.56
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	831.84	127.96
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	81.60	11.20
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	95.02	13.59
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	118.67	17.59
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	112.58	17.59
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	150.29	24.00
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	187.66	28.79
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	173.12	27.19
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	201.73	31.99
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	237.69	36.79
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	287.42	46.39
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	74.52	11.20
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	105.52	17.59
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	93.07	15.36
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	98.75	16.64
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	120.70	21.75
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	141.56	24.00
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	183.48	30.39
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	214.36	35.99
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	299.05	57.58
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	166.22	12.80
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	194.96	17.59
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	246.44	24.00
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	299.32	28.79
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	368.50	36.79
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	433.98	46.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	218.81	11.20
		For 316L Stainless Steel, Add	*51.52*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	284.15	16.00
		For 316L Stainless Steel, Add	*65.93*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	322.15	17.59
		For 316L Stainless Steel, Add	*75.11*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	368.99	19.19
		For 316L Stainless Steel, Add	*86.67*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	453.06	24.00
		For 316L Stainless Steel, Add	*106.13*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	638.28	30.39
		For 316L Stainless Steel, Add	*151.82*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	796.05	36.79
		For 316L Stainless Steel, Add	*190.10*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	959.05	46.39
		For 316L Stainless Steel, Add	*227.63*	
26 27 16 00-0322		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	91.41	17.59
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	102.89	19.19
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	117.76	22.39
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	128.00	24.00
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	147.85	27.19
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	139.12	27.19
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	162.06	30.39
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	203.04	36.79
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	259.50	50.39
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	334.43	72.54
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	98.28	17.59
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	111.01	19.19
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	126.50	22.39
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	138.61	24.00
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	159.09	27.19
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	149.73	27.19
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	176.45	30.39
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	210.53	36.79
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	275.11	50.39
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	351.27	72.54
26 27 16 00-0343		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	110.76	17.59
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	118.50	19.19
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	134.61	22.39
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	145.48	24.00
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	172.20	27.19
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	158.47	27.19
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	194.54	30.39
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	231.13	36.79
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	283.84	50.39
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	366.25	72.54
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	115.75	17.59
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	127.85	19.19
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	143.34	22.39
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	154.83	24.00
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	184.68	27.19
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	169.07	27.19
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	207.65	30.39
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	237.37	36.79
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	304.43	50.39
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	388.09	72.54
26 27 16 00-0364		**NEMA 7/9 Enclosures, Lockable** *(26 27 16)*		
		Note: Nominal inside dimensions.		
26 27 16 00-0365		**4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0364)*		
26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,047.25	89.97
		For Mounting Pan, Add	*45.91*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	826.46	95.97
		For Mounting Pan, Add	*85.55*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,643.75	107.97
		For Mounting Pan, Add	*117.96*	
26 27 16 00-0369		**6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0364)*		
26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,457.44	107.97
		For Mounting Pan, Add	*59.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,909.46	110.97
		For Mounting Pan, Add	*117.96*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,951.67	119.96
		For Mounting Pan, Add	*90.24*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,004.04	119.96
		For Mounting Pan, Add	*105.58*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,840.40	149.96
		For Mounting Pan, Add	*138.51*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,679.81	134.95
		For Mounting Pan, Add	*86.48*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,768.70	149.96
		For Mounting Pan, Add	*129.40*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,263.28	269.92
		For Mounting Pan, Add	*174.10*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,397.19	179.95
		For Mounting Pan, Add	*169.51*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,435.81	299.91
		For Mounting Pan, Add	*155.62*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,337.49	299.91
		For Mounting Pan, Add	*252.99*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,279.54	134.95
		For Mounting Pan, Add	*90.24*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,295.82	134.95
		For Mounting Pan, Add	*105.58*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,605.78	134.95
		For Mounting Pan, Add	*138.51*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,887.48	149.96
		For Mounting Pan, Add	*86.48*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,179.32	269.92
		For Mounting Pan, Add	*129.40*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,085.18	329.90
		For Mounting Pan, Add	*174.10*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,031.37	389.87
		For Mounting Pan, Add	*261.82*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,567.50	329.90
		For Mounting Pan, Add	*169.51*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,695.06	329.90
		For Mounting Pan, Add	*155.62*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,041.22	359.88
		For Mounting Pan, Add	*233.27*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,804.28	329.90
		For Mounting Pan, Add	*252.99*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,781.56	359.88
		For Mounting Pan, Add	*369.95*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,727.41	359.88
		For Mounting Pan, Add	*493.19*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,024.77	479.85
		For Mounting Pan, Add	*616.39*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,143.24	389.87
		For Mounting Pan, Add	*573.14*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	16,602.78	599.81
		For Mounting Pan, Add	*784.62*	

26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,359.50	389.87
		For Mounting Pan, Add	*261.82*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,694.79	359.88
		For Mounting Pan, Add	*233.27*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,383.92	389.87
		For Mounting Pan, Add	*369.95*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,616.14	419.87
		For Mounting Pan, Add	*616.39*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,376.79	419.87
		For Mounting Pan, Add	*573.14*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	18,106.00	599.81
		For Mounting Pan, Add	*784.62*	

26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,202.21	329.90
		For Mounting Pan, Add	*174.10*	

26 27 16 00-0407 Breaker Enclosures *(26 27 16)*

See CSI section 26 24 16 00-0001 for lighting and power panel boards.

26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	294.51	63.98
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	568.56	63.98
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	1,436.94	87.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,959.63	95.97
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,415.93	95.97
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	471.16	87.97
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	477.31	87.97
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	916.17	87.97
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,224.41	111.97
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	736.78	111.97
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	728.15	175.95
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,810.33	175.95
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	5,446.94	223.93
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,243.51	223.93
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,430.54	335.90
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,574.34	335.90
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	9,785.81	431.86
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	5,197.40	431.86
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	1,782.14	335.90
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	3,130.38	335.90
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	6,589.70	431.86
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	11.44	4.00
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	18.13	4.00

26 27 19 Multi-Outlet Assemblies *(26 27)*

26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	20.38	5.83
		For Concrete Or Masonry Surface, Add	*0.58*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	15.88	4.16
		For Concrete Or Masonry Surface, Add	*0.42*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	14.84	4.40
		For Concrete Or Masonry Surface, Add	*0.44*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	16.53	4.16
		For Concrete Or Masonry Surface, Add	*0.42*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	13.18	4.24
		For Concrete Or Masonry Surface, Add	*0.42*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	18.66	4.16
		For Concrete Or Masonry Surface, Add	*0.42*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	16.34	4.16
		For Concrete Or Masonry Surface, Add	*0.42*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	17.73	4.16
		For Concrete Or Masonry Surface, Add	*0.42*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001		Communication And Power Poles *(26 27 23)* Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	220.08	35.40
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	239.48	35.40
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	261.90	35.40
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)* Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	45.05	7.30
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	38.93	7.30
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	44.21	7.30
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	32.51	7.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	26.61	7.30
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	286.59	35.40
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	328.27	35.40
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	350.76	35.40
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	29.90	7.30
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	26.79	7.30
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	29.02	7.30
26 27 23 00-0023		3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	374.91	35.40
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	425.08	35.40
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	458.15	35.40
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	29.90	7.30
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	26.79	7.30
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	29.02	7.30
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	299.64	35.40
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	334.71	35.40
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	374.04	35.40
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	46.25	7.30
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	47.24	7.30
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	50.54	7.30
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	34.36	7.30
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	26.61	7.30
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	288.68	35.40
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	324.66	35.40
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	367.04	35.40
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	609.13	35.40
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	697.36	35.40
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	796.18	35.40
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	328.89	35.40
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	311.11	35.40
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	399.85	35.40
26 27 26		**Wiring Devices** *(26 27)*		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	68.16	28.40
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	73.40	30.39
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	88.64	36.38
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	99.11	40.38
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	84.93	28.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	91.06	30.39
26 27 26 00-0010		**Receptacle Components** *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	20.58	8.00
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	19.60	8.00
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	25.37	8.00
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	28.71	8.00
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	36.96	9.99
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	47.91	9.99
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	21.86	8.00
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	20.83	8.00
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	35.88	8.00
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	27.65	8.00
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	36.96	9.99
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	47.91	9.99
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	83.06	9.99
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	83.06	9.99
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	64.50	12.00
26 27 26 00-0026		**Specialty Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0027		**Specialty Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	52.86	13.99
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	52.86	13.99
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	51.97	13.99
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	91.05	13.99
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	95.05	16.00
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	85.94	16.00
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	83.37	16.00
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	70.13	16.00
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	62.70	16.00
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	109.07	16.00
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	113.06	17.99
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	124.06	20.00
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	132.06	24.00
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,311.60	187.95
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,559.52	229.92
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	64.15	16.00
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	93.03	24.00
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	67.88	9.99
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,305.49	243.28
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	56.12	8.00
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	55.41	9.99
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	55.15	9.99
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	73.47	16.00
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	63.84	9.99
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	57.28	9.99
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	81.81	12.00
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	61.37	12.00
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	84.24	12.00
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	106.52	12.00
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	98.79	16.00
26 27 26 00-0059		**Explosion Proof Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	554.26	20.00
26 27 26 00-0061	EA	3/4", 20 Amp, 2 Watt,, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	511.21	21.99
26 27 26 00-0062	EA	3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	850.45	39.98
26 27 26 00-0063	EA	3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,069.74	39.98
26 27 26 00-0064	EA	1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,355.01	59.98
26 27 26 00-0065	EA	1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,291.52	59.98
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	34.36	9.99
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	46.50	12.00
26 27 26 00-0069	EA	15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	37.27	13.61
26 27 26 00-0070	EA	20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	63.71	16.00
26 27 26 00-0071		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0072	EA	15 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	70.95	9.99
26 27 26 00-0073	EA	20 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	79.08	9.99
26 27 26 00-0074		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle	35.08	9.99
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle	42.90	9.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle	38.99	12.00
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle	38.64	12.00
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle	45.53	12.00
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amp,Locking Receptacle	54.43	12.00
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	53.44	12.00
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	46.94	12.00
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle	53.75	16.00
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle	54.58	16.00
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle	107.81	16.00
26 27 26 00-0086		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0087	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	189.14	39.98
26 27 26 00-0088	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	188.68	39.98
26 27 26 00-0089	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	197.20	39.98
26 27 26 00-0090	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	241.29	43.98
26 27 26 00-0091	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	242.00	43.98
26 27 26 00-0092	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	240.36	43.98
26 27 26 00-0093	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	288.63	49.18
26 27 26 00-0094	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	274.78	49.18
26 27 26 00-0095	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	296.45	49.18
26 27 26 00-0096	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	298.81	53.99
26 27 26 00-0097	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	298.54	53.99
26 27 26 00-0098	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	300.50	53.99
26 27 26 00-0099	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	422.14	63.98
26 27 26 00-0100	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	405.37	63.98
26 27 26 00-0101	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	416.29	63.98
26 27 26 00-0102	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	463.60	71.18
26 27 26 00-0103	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	463.93	71.18
26 27 26 00-0104	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	464.25	71.18
26 27 26 00-0105	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	515.89	79.98
26 27 26 00-0106	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	537.39	79.98
26 27 26 00-0107	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	577.87	87.97
26 27 26 00-0108	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	576.25	87.97
26 27 26 00-0109	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	579.29	87.97
26 27 26 00-0110		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0111	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	74.48	8.00
26 27 26 00-0112	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	158.20	9.99
26 27 26 00-0113		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0114	EA	15 Amp, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	19.35	8.00
26 27 26 00-0115	EA	20 Amp, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	21.08	8.00
26 27 26 00-0116	EA	15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	26.04	8.00
26 27 26 00-0117	EA	20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	28.36	8.00
26 27 26 00-0118	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	42.33	8.00
26 27 26 00-0119	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	45.66	8.00
26 27 26 00-0120	EA	20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	48.84	8.00
26 27 26 00-0121		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0122	EA	15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	43.57	8.00
26 27 26 00-0123	EA	20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	47.02	8.00
26 27 26 00-0124		**Switches** *(26 27 26)*		
26 27 26 00-0125		**Switches** *(26 27 26 00-0124)*		
26 27 26 00-0126		**Switch Assemblies** *(26 27 26 00-0125)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	72.75	27.99
26 27 26 00-0128	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	78.16	30.39
26 27 26 00-0129	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	99.82	36.58
26 27 26 00-0130	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	109.04	40.58
26 27 26 00-0131	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	169.61	62.78
26 27 26 00-0132	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	183.43	68.78
26 27 26 00-0133	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	196.67	70.97
26 27 26 00-0134	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	215.09	78.97
26 27 26 00-0135		**Switch Components** *(26 27 26 00-0125)*		
26 27 26 00-0136	EA	15 Amperes, 120/277 Volt, SPST Switch	24.99	8.00
26 27 26 00-0137	EA	15 Amperes, 120/277 Volt, 3-Way Switch	31.82	9.99
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, 4-Way Switch	66.28	16.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, DPST Switch	30.22	8.00
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, Thermal Switch	64.70	9.99
26 27 26 00-0141	EA	20 Amperes, 120/277 Volt, SPST Switch	29.60	9.99
26 27 26 00-0142	EA	20 Amperes, 120/277 Volt, 3-Way Switch	37.13	12.00
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, 4-Way Switch	97.39	16.00
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, DPST Switch	37.98	9.99
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, DPDT Switch	41.70	9.99
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	51.21	10.01
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	64.36	10.01
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	49.46	12.02
26 27 26 00-0149	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	46.62	13.99
26 27 26 00-0150	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	59.13	16.00
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	97.47	16.00
26 27 26 00-0152	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	51.91	16.02
26 27 26 00-0153	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	63.73	16.02
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	66.87	20.03
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	92.94	22.03
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	45.63	13.10
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	63.64	13.10
26 27 26 00-0158	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	55.88	13.10
26 27 26 00-0159	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	53.20	13.10
26 27 26 00-0160	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	57.74	6.49
26 27 26 00-0161	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	61.36	6.49
26 27 26 00-0162	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	66.19	24.99
26 27 26 00-0163	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	79.34	24.99
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	93.67	8.01
26 27 26 00-0165	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	89.07	8.01
26 27 26 00-0166	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	157.51	8.00
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	41.80	8.00
26 27 26 00-0168	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	95.83	8.01
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	111.99	8.01
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	147.27	8.01
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	96.41	8.01

26 27 26 00-0172 Specialty Switches *(26 27 26 00-0124)*

26 27 26 00-0173 Dimmers With SPST Switch *(26 27 26 00-0172)*

26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch	55.42	17.99
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch	116.08	17.99
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch	214.55	28.95
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch	291.95	28.95
26 27 26 00-0178	EA	600 Watt Fluorescent Dimmer Switch	154.26	21.35
26 27 26 00-0179	EA	1,000 Watt Fluorescent Dimmer Switch	220.86	21.35
26 27 26 00-0180	EA	1,500 Watt Fluorescent Dimmer Switch	409.99	32.23
26 27 26 00-0181	EA	Remote Speed Switch For Paddle Fan	96.12	26.63
26 27 26 00-0182	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	165.21	39.75

26 27 26 00-0183 Time Switches *(26 27 26 00-0172)*

26 27 26 00-0184	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	118.05	24.00
26 27 26 00-0185	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	121.55	24.00
26 27 26 00-0186	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	118.05	24.00
26 27 26 00-0187	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	121.55	24.00
26 27 26 00-0188	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	141.40	24.00
26 27 26 00-0189	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	141.40	24.00
26 27 26 00-0190	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	279.21	24.00
26 27 26 00-0191	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	279.21	24.00
26 27 26 00-0192	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	234.99	24.00
26 27 26 00-0193	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	261.99	24.00
26 27 26 00-0194	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	261.99	24.00
26 27 26 00-0195	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	325.80	24.00
26 27 26 00-0196	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	336.54	24.00
26 27 26 00-0197	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	118.05	24.00
26 27 26 00-0198	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	121.55	24.00
26 27 26 00-0199	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	118.05	24.00
26 27 26 00-0200	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	121.55	24.00
26 27 26 00-0201	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	141.40	24.00
26 27 26 00-0202	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	141.40	24.00
26 27 26 00-0203	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	279.21	24.00
26 27 26 00-0204	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	279.21	24.00
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	325.80	24.00
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	336.54	24.00

26 27 26 00-0207 Low Voltage Switching *(26 27 26 00-0172)*

26 27 26 00-0208	EA	36 Pin Male Or Female Connector	242.53	8.00

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0209		**Other Switches** *(26 27 26 00-0172)*		
26 27 26 00-0210	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	28.33	12.00
26 27 26 00-0211	EA	SPST Locking Switch For Concealed Devices	94.12	31.99
26 27 26 00-0212	EA	3-Way Locking Switch For Concealed Devices	95.98	31.99
26 27 26 00-0213	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	113.17	29.91
26 27 26 00-0214	EA	15 Amperes Momentary Contact Switch	105.52	29.91
26 27 26 00-0215	EA	20 Amperes Momentary Contact Switch	113.58	29.91
26 27 26 00-0216	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	94.58	36.06
26 27 26 00-0217	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	96.83	36.06
26 27 26 00-0218	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	119.59	44.06
26 27 26 00-0219	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	108.77	40.05
26 27 26 00-0220	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	109.33	40.05
26 27 26 00-0221		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0222		**Wall Plates** *(26 27 26 00-0221)*		
26 27 26 00-0223		**Nylon Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0224	EA	1 Gang Nylon Switch Plate	1.23	0.40
26 27 26 00-0225	EA	2 Gang Nylon Switch Plate	2.06	0.60
26 27 26 00-0226	EA	3 Gang Nylon Switch Plate	2.93	0.80
26 27 26 00-0227	EA	4 Gang Nylon Switch Plate	4.19	1.00
26 27 26 00-0228	EA	1 Gang Duplex Nylon Wall Plate	1.24	0.40
26 27 26 00-0229	EA	2 Gang Duplex Nylon Wall Plate	2.11	0.60
26 27 26 00-0230		**Plastic Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0231	EA	1 Gang Plastic Switch Plate	1.14	0.40
26 27 26 00-0232	EA	2 Gang Plastic Switch Plate	1.89	0.60
26 27 26 00-0233	EA	3 Gang Plastic Switch Plate	2.66	0.80
26 27 26 00-0234	EA	4 Gang Plastic Switch Plate	4.19	1.00
26 27 26 00-0235	EA	1 Gang Duplex Plastic Wall Plate	1.14	0.40
26 27 26 00-0236	EA	2 Gang Duplex Plastic Wall Plate	1.90	0.60
26 27 26 00-0237		**Brass Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0238	EA	1 Gang, 0.04" Brass Switch Plate	11.71	1.81
26 27 26 00-0239	EA	2 Gang, 0.04" Brass Switch Plate	21.77	2.08
26 27 26 00-0240	EA	3 Gang, 0.04" Brass Switch Plate	31.74	2.32
26 27 26 00-0241	EA	4 Gang, 0.04" Brass Switch Plate	49.22	2.52
26 27 26 00-0242	EA	5 Gang, 0.04" Brass Switch Plate	59.89	2.68
26 27 26 00-0243	EA	6 Gang, 0.04" Brass Switch Plate	69.28	2.80
26 27 26 00-0244	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	11.71	1.81
26 27 26 00-0245	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	25.46	2.08
26 27 26 00-0246	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	36.60	2.32
26 27 26 00-0247		**Stainless Steel Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0248	EA	1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	6.38	1.81
26 27 26 00-0249	EA	2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	10.12	2.08
26 27 26 00-0250	EA	3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	14.05	2.32
26 27 26 00-0251	EA	4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	20.49	2.52
26 27 26 00-0252	EA	5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	24.09	2.68
26 27 26 00-0253	EA	6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	29.08	2.80
26 27 26 00-0254	EA	1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	6.96	1.81
26 27 26 00-0255	EA	2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	11.50	2.08
26 27 26 00-0256	EA	3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	18.63	2.32
26 27 26 00-0257	EA	4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	22.48	2.52
26 27 26 00-0258		**Chrome Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0259	EA	1 Gang, 0.040" Chrome Switch Plate With Chromium Finish	23.18	1.81
26 27 26 00-0260	EA	2 Gang 0.040" Chrome Switch Plate With Chromium Finish	43.27	2.08
26 27 26 00-0261	EA	3 Gang 0.040" Chrome Switch Plate With Chromium Finish	63.31	2.32
26 27 26 00-0262	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	23.17	1.81
26 27 26 00-0263		**Weatherproof Covers** *(26 27 26 00-0221)*		
26 27 26 00-0264		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0265	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	9.30	0.40
26 27 26 00-0266	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	10.09	0.40
26 27 26 00-0267	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	10.09	0.40
26 27 26 00-0268	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	10.09	0.40
26 27 26 00-0269	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	12.33	0.60
26 27 26 00-0270	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	14.03	0.60
26 27 26 00-0271	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	14.20	0.60
26 27 26 00-0272	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	14.20	0.60
26 27 26 00-0273	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	19.38	0.60
26 27 26 00-0274	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	18.29	0.80
26 27 26 00-0275	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	20.03	0.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0276		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0263)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0277	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	11.42	0.40
26 27 26 00-0278	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	36.76	0.40
26 27 26 00-0279	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	41.24	0.40
26 27 26 00-0280	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	11.33	0.40
26 27 26 00-0281	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	31.14	0.40
26 27 26 00-0282	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	51.89	0.40
26 27 26 00-0283	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	66.10	0.40
26 27 26 00-0284	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	14.20	0.60
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	104.43	0.60
26 27 26 00-0286	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	23.85	0.80
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	99.69	0.80
26 27 26 00-0288		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0263)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0289	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.74	0.40
26 27 26 00-0290	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	4.82	0.40
26 27 26 00-0291	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	6.46	0.60
26 27 26 00-0292	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	7.02	0.60
26 27 26 00-0293	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	7.02	0.60
26 27 26 00-0294	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	7.83	0.60
26 27 26 00-0295		**Heavy Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0263)* Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0296	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	38.81	0.40
26 27 26 00-0297		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0263)* Note: Includes neoprene gasket.		
26 27 26 00-0298	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.77	0.40
26 27 26 00-0299	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.77	0.40
26 27 26 00-0300	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.77	0.40
26 27 26 00-0301	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	9.59	0.60
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	9.59	0.60
26 27 26 00-0303		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0263)* Note: Includes neoprene gasket.		
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	52.91	0.40
26 27 26 00-0305		**Non Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0263)* Note: Includes neoprene gasket.		
26 27 26 00-0306	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.09	0.40
26 27 26 00-0307	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	8.71	0.60
26 27 26 00-0308	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.12	0.40
26 27 26 00-0309	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	17.83	0.40
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	20.67	0.40
26 27 26 00-0311	EA	20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	16.76	0.40
26 27 26 00-0312	EA	30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	12.50	0.40
26 27 26 00-0313	EA	50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	14.62	0.40
26 27 26 00-0314	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.08	0.40
26 27 26 00-0315	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	18.84	0.60
26 27 26 00-0316		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)* Note: Includes storage and cleaning.		
26 27 26 00-0317	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	52.61	
26 27 26 00-0318	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	6.67	
26 27 26 00-0319		**Relay Systems** *(26 27 26)*		
26 27 26 00-0320	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	58.72	17.99
26 27 26 00-0321	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	246.64	59.98
26 27 26 00-0322	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	413.49	79.98
26 27 26 00-0323		**Limit Switches** *(26 27 26)*		
26 27 26 00-0324		**Heavy Duty Precision Oiltight** *(26 27 26 00-0323)*		
26 27 26 00-0325		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0324)*		
26 27 26 00-0326	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	364.82	50.39
26 27 26 00-0327		**In Line Midget Fuseholders** *(26 27 26)* See CSI section 26 28 13 00-0078 for fuses.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0328	EA	Single Pole Water Resistant In Line Midget Fuseholder	55.72	
26 27 26 00-0329	EA	Double Pole Water Resistant In Line Midget Fuseholder	125.12	

26 27 33 Power Distriubtion Units *(26 27)*

26 27 33 00-0001 Liebert Precision Power Center *(26 27 33)*

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	12,277.68	245.92
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	14,820.06	266.56
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	16,888.55	295.91
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	19,428.52	319.90
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	21,208.19	399.88
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	23,797.72	479.85
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	27,459.12	559.83
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	28,881.49	639.80
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	30,518.24	719.78
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,098.43	79.98
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	1,638.62	99.97
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	3,679.45	119.96
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	1,279.60	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	959.70	

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.23	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0003	EA	2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.80	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0004	EA	3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.21	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0005	EA	5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.12	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0006	EA	6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.67	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0007	EA	8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.60	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0008	EA	10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.35	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0009	EA	15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.25	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0010	EA	20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	13.94	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0011	EA	25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.54	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0012	EA	30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.12	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	28.52	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.62	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.95	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.77	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.45	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	25.66	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.57	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.41	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.58	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.37	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.28	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	31.65	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.12	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	31.74	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	31.16	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0031	EA	70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	58.03	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0032	EA	80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	57.72	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0033	EA	90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	64.12	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0034	EA	100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	57.22	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0035	EA	110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	162.59	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0036	EA	125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.96	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0037	EA	150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	109.30	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0038	EA	200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	115.11	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0039	EA	250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	215.50	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0040	EA	300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	231.89	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 28 13 00-0041	EA	350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	249.28	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 28 13 00-0042	EA	400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	192.24	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 28 13 00-0043	EA	450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	427.53	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 28 13 00-0044	EA	500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	404.73	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.92*	
26 28 13 00-0045	EA	600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	315.81	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.92*	

26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0047	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.11	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0048	EA	2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	41.10	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0049	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.57	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0050	EA	4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.40	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0051	EA	5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.68	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0052	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.94	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0053	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.19	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0054	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.91	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0055	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.54	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0056	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.09	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0057	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.44	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0058	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.57	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0059	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.53	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0060	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.02	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0061	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.45	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	

26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	98.39	7.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	100.80	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	100.25	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	100.68	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	184.45	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	187.23	7.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	184.88	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	184.42	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	351.36	9.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.48*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	353.58	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.92*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	398.67	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.92*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	361.24	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.92*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	648.56	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.92*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	577.89	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	504.09	14.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amp, 600 Volt AC, Class CC Midget Fuse	32.83	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0080	EA	2 Amp, 600 Volt AC, Class CC Midget Fuse	33.33	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0081	EA	3 Amp, 600 Volt AC, Class CC Midget Fuse	33.19	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0082	EA	5 Amp, 600 Volt AC, Class CC Midget Fuse	33.03	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0083	EA	6 Amp, 600 Volt AC, Class CC Midget Fuse	35.40	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0084	EA	8 Amp, 600 Volt AC, Class CC Midget Fuse	31.61	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0085	EA	10 Amp, 600 Volt AC, Class CC Midget Fuse	36.06	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0086	EA	15 Amp, 600 Volt AC, Class CC Midget Fuse	33.04	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0087	EA	20 Amp, 600 Volt AC, Class CC Midget Fuse	32.42	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0088	EA	25 Amp, 600 Volt AC, Class CC Midget Fuse	31.00	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 28 13 00-0089	EA	30 Amp, 600 Volt AC, Class CC Midget Fuse	32.21	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	42.35	4.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 28 13 00-0092	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	42.68	4.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 28 13 00-0093	EA	6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.80	4.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 28 13 00-0094	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.56	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 28 13 00-0095	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	37.35	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 28 13 00-0096	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.65	5.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 28 13 00-0097	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	46.68	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0098	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	38.80	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0099	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	68.21	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0100	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	58.08	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0101	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	66.66	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 28 13 00-0102	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	59.01	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 28 13 00-0103	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	57.91	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 28 13 00-0104	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	90.14	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0105	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	96.15	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0106	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	94.62	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0107	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	82.66	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0108	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	194.85	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0109	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	165.45	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0110	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	157.58	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0111	EA	175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	159.92	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0112	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	132.57	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0113	EA	225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	337.10	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0114	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	311.57	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0115	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	287.01	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0116	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	313.15	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0117	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	258.19	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0118	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	549.86	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0119	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	466.38	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 28 13 00-0120	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	346.55	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,053.78	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 28 13 00-0123	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,055.86	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 28 13 00-0124	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,057.80	9.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 28 13 00-0125	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,054.34	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	971.01	12.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	
26 28 13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,038.95	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	956.22	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,069.52	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,048.64	13.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.40*	
26 28 13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	932.64	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	957.75	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,273.35	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	928.09	16.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,425.16	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	820.88	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,198.71	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	807.07	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	831.08	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.80*	
26 28 13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,847.48	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.79*	
26 28 13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,821.52	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.79*	
26 28 13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,643.44	17.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.79*	
26 28 13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,026.81	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,176.02	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,393.12	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,883.23	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,208.05	20.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,099.40	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 28 13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,341.28	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 28 13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,037.34	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 28 13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,912.90	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 28 13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,596.86	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 28 13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	7,609.45	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	

26 28 16 Enclosed Switches And Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0001		**Branch Circuit Breakers** *(26 28 16 13)* Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 28 16 13-0002		**Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)* Note: Includes connection of electrical wire.		
26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	39.98	14.39
		For Bolt-On, Add	*10.60*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	39.98	14.39
		For Bolt-On, Add	*10.60*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	58.42	17.99
		For Bolt-On, Add	*14.30*	
		For Installation In New Panelboard, Deduct	*-10.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	88.54	17.59
		For Bolt-On, Add	*17.79*	
		For Installation In New Panelboard, Deduct	*-9.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	124.79	17.59
		For Bolt-On, Add	*22.32*	
		For Installation In New Panelboard, Deduct	*-9.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	145.46	17.59
		For Bolt-On, Add	*24.90*	
		For Installation In New Panelboard, Deduct	*-9.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	68.56	17.59
		For Bolt-On, Add	*15.29*	
		For Installation In New Panelboard, Deduct	*-9.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	66.42	21.59
		For Bolt-On, Add	*16.70*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	66.42	21.59
		For Bolt-On, Add	*16.70*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	100.86	28.79
		For Bolt-On, Add	*23.80*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	169.12	35.99
		For Bolt-On, Add	*35.14*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	199.85	39.98
		For Bolt-On, Add	*40.38*	
		For Installation In New Panelboard, Deduct	*-21.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.39*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	170.82	25.59
		For Bolt-On, Add	*31.43*	
		For Installation In New Panelboard, Deduct	*-14.40*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.27*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	230.12	25.59
		For Bolt-On, Add	*38.84*	
		For Installation In New Panelboard, Deduct	*-14.40*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.27*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	128.53	28.79
		For Bolt-On, Add	*27.26*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	128.53	28.79
		For Bolt-On, Add	*27.26*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	168.77	35.99
		For Bolt-On, Add	*35.09*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	257.28	43.19
		For Bolt-On, Add	*48.95*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	329.08	50.39
		For Bolt-On, Add	*60.73*	
		For Installation In New Panelboard, Deduct	*-27.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.59*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	58.76	14.39
		For Bolt-On, Add	*12.94*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	58.76	14.39
		For Bolt-On, Add	*12.94*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	106.44	17.99
		For Bolt-On, Add	*20.30*	
		For Installation In New Panelboard, Deduct	*-10.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	165.80	17.59
		For Bolt-On, Add	*27.44*	
		For Installation In New Panelboard, Deduct	*-9.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	115.87	21.59
		For Bolt-On, Add	*22.88*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	115.87	21.59
		For Bolt-On, Add	*22.88*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	230.79	28.79
		For Bolt-On, Add	*40.05*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	315.04	35.99
		For Bolt-On, Add	*53.38*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	465.43	39.98
		For Bolt-On, Add	*73.57*	
		For Installation In New Panelboard, Deduct	*-21.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.39*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	185.90	28.79
		For Bolt-On, Add	*34.43*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	185.90	28.79
		For Bolt-On, Add	*34.43*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	279.36	35.99
		For Bolt-On, Add	*48.92*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	398.93	43.19
		For Bolt-On, Add	*66.66*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	620.83	50.39
		For Bolt-On, Add	*97.20*	
		For Installation In New Panelboard, Deduct	*-27.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	717.22	53.99
		For Bolt-On, Add	*110.65*	
		For Installation In New Panelboard, Deduct	*-29.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	770.60	57.58
		For Bolt-On, Add	*118.72*	
		For Installation In New Panelboard, Deduct	*-31.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.39*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	913.18	61.18
		For Bolt-On, Add	*137.94*	
		For Installation In New Panelboard, Deduct	*-33.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.79*	
26 28 16 13-0040		**Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	71.11	14.39
		For Bolt-On, Add	*14.49*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	71.11	14.39
		For Bolt-On, Add	*14.49*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	118.63	17.99
		For Bolt-On, Add	*21.83*	
		For Installation In New Panelboard, Deduct	*-10.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	148.05	21.59
		For Bolt-On, Add	*26.90*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	148.05	21.59
		For Bolt-On, Add	*26.90*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	261.64	28.79
		For Bolt-On, Add	*43.90*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	678.73	35.99
		For Bolt-On, Add	*98.84*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	238.99	28.79
		For Bolt-On, Add	*41.07*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	238.99	28.79
		For Bolt-On, Add	*41.07*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	318.00	35.99
		For Bolt-On, Add	*53.75*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	840.50	43.19
		For Bolt-On, Add	*121.86*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0052		**Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	81.59	14.39
		For Bolt-On, Add	*15.80*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	81.59	14.39
		For Bolt-On, Add	*15.80*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	

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26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	95.95	17.99
		For Bolt-On, Add	*18.99*	
		For Installation In New Panelboard, Deduct	*-10.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	164.40	17.59
		For Bolt-On, Add	*27.27*	
		For Installation In New Panelboard, Deduct	*-9.60*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.52*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	175.39	21.59
		For Bolt-On, Add	*30.32*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	175.39	21.59
		For Bolt-On, Add	*30.32*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	212.10	28.79
		For Bolt-On, Add	*37.71*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	307.05	35.99
		For Bolt-On, Add	*52.38*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	398.77	39.98
		For Bolt-On, Add	*65.24*	
		For Installation In New Panelboard, Deduct	*-21.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.39*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	498.50	46.79
		For Bolt-On, Add	*80.51*	
		For Installation In New Panelboard, Deduct	*-25.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.19*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	537.01	53.99
		For Bolt-On, Add	*88.12*	
		For Installation In New Panelboard, Deduct	*-29.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	212.55	28.79
		For Bolt-On, Add	*37.77*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	212.55	28.79
		For Bolt-On, Add	*37.77*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	248.80	35.99
		For Bolt-On, Add	*45.10*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	380.83	43.19
		For Bolt-On, Add	*64.40*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	500.05	55.98
		For Bolt-On, Add	*84.20*	
		For Installation In New Panelboard, Deduct	*-30.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	618.79	64.78
		For Bolt-On, Add	*102.54*	
		For Installation In New Panelboard, Deduct	*-35.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	658.19	68.78
		For Bolt-On, Add	*108.87*	
		For Installation In New Panelboard, Deduct	*-37.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.59*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	182.22	21.59
		For Bolt-On, Add	*31.17*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	182.22	21.59
		For Bolt-On, Add	*31.17*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	278.14	28.79
		For Bolt-On, Add	*45.96*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	454.65	35.99
		For Bolt-On, Add	*70.83*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	711.12	44.78
		For Bolt-On, Add	*106.38*	
		For Installation In New Panelboard, Deduct	*-24.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.99*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	807.18	46.79
		For Bolt-On, Add	*119.09*	
		For Installation In New Panelboard, Deduct	*-25.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.19*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	881.23	53.99
		For Bolt-On, Add	*131.15*	
		For Installation In New Panelboard, Deduct	*-29.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	262.47	28.79
		For Bolt-On, Add	*44.01*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	262.47	28.79
		For Bolt-On, Add	*44.01*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	330.71	35.99
		For Bolt-On, Add	*55.34*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	565.99	43.19
		For Bolt-On, Add	*87.54*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	829.13	55.98
		For Bolt-On, Add	*125.33*	
		For Installation In New Panelboard, Deduct	*-30.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	979.68	64.78
		For Bolt-On, Add	*147.65*	
		For Installation In New Panelboard, Deduct	*-35.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,060.38	68.78
		For Bolt-On, Add	*159.14*	
		For Installation In New Panelboard, Deduct	*-37.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.59*	

26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	189.01	21.59
		For Bolt-On, Add	*32.02*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	189.01	21.59
		For Bolt-On, Add	*32.02*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	340.83	28.79
		For Bolt-On, Add	*53.80*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Ampree Interrupting Capacity	628.45	35.99
		For Bolt-On, Add	*92.55*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperee Interrupting Capacity	998.41	44.78
		For Bolt-On, Add	*142.30*	
		For Installation In New Panelboard, Deduct	*-24.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.99*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperee Interrupting Capacity	1,137.60	46.79
		For Bolt-On, Add	*160.39*	
		For Installation In New Panelboard, Deduct	*-25.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.19*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperee Interrupting Capacity	1,237.79	53.99
		For Bolt-On, Add	*175.72*	
		For Installation In New Panelboard, Deduct	*-29.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.99*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperee Interrupting Capacity	309.48	28.79
		For Bolt-On, Add	*49.88*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	309.48	28.79
		For Bolt-On, Add	*49.88*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	412.19	35.99
		For Bolt-On, Add	*65.52*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	764.58	43.19
		For Bolt-On, Add	*112.37*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	965.65	55.98
		For Bolt-On, Add	*142.40*	
		For Installation In New Panelboard, Deduct	*-30.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,546.99	64.78
		For Bolt-On, Add	*218.57*	
		For Installation In New Panelboard, Deduct	*-35.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.19*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,647.76	68.78
		For Bolt-On, Add	*232.56*	
		For Installation In New Panelboard, Deduct	*-37.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.59*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	98.70	14.39
		For Bolt-On, Add	*17.94*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	98.70	14.39
		For Bolt-On, Add	*17.94*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	172.58	17.99
		For Bolt-On, Add	*28.57*	
		For Installation In New Panelboard, Deduct	*-10.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	216.82	21.59
		For Bolt-On, Add	*35.50*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	216.82	21.59
		For Bolt-On, Add	*35.50*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	398.36	28.79
		For Bolt-On, Add	*60.99*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	743.36	35.99
		For Bolt-On, Add	*106.92*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,452.31	44.78
		For Bolt-On, Add	*199.03*	
		For Installation In New Panelboard, Deduct	*-24.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.99*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	359.65	28.79
		For Bolt-On, Add	*56.15*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	359.65	28.79
		For Bolt-On, Add	*56.15*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	481.89	35.99
		For Bolt-On, Add	*74.23*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	916.06	43.19
		For Bolt-On, Add	*131.30*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,805.74	55.98
		For Bolt-On, Add	*247.41*	
		For Installation In New Panelboard, Deduct	*-30.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	146.91	14.39
		For Bolt-On, Add	*23.96*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	146.91	14.39
		For Bolt-On, Add	*23.96*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	223.85	17.99
		For Bolt-On, Add	*34.98*	
		For Installation In New Panelboard, Deduct	*-10.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.99*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	272.59	21.59
		For Bolt-On, Add	*42.47*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	272.59	21.59
		For Bolt-On, Add	*42.47*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	518.42	28.79
		For Bolt-On, Add	*76.00*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	947.08	35.99
		For Bolt-On, Add	*132.38*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,900.52	39.98
		For Bolt-On, Add	*252.96*	
		For Installation In New Panelboard, Deduct	*-21.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.39*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	471.41	28.79
		For Bolt-On, Add	*70.12*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	471.41	28.79
		For Bolt-On, Add	*70.12*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	654.56	35.99
		For Bolt-On, Add	*95.82*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,067.54	43.19
		For Bolt-On, Add	*150.24*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,396.18	55.98
		For Bolt-On, Add	*321.22*	
		For Installation In New Panelboard, Deduct	*-30.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	

26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	63.70	14.39
		For Bolt-On, Add	*13.56*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	137.34	21.59
		For Bolt-On, Add	*25.56*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	219.64	28.79
		For Bolt-On, Add	*38.65*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	138.65	14.39
		For Bolt-On, Add	*22.93*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	138.65	14.39
		For Bolt-On, Add	*22.93*	
		For Installation In New Panelboard, Deduct	*-8.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.60*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	276.06	28.79
		For Bolt-On, Add	*45.70*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	318.53	21.59
		For Bolt-On, Add	*48.21*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	318.53	21.59
		For Bolt-On, Add	*48.21*	
		For Installation In New Panelboard, Deduct	*-12.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.39*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	621.97	28.79
		For Bolt-On, Add	*88.94*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,062.00	35.99
		For Bolt-On, Add	*146.75*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,354.56	44.78
		For Bolt-On, Add	*311.81*	
		For Installation In New Panelboard, Deduct	*-24.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.99*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	537.14	28.79
		For Bolt-On, Add	*78.34*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	537.14	28.79
		For Bolt-On, Add	*78.34*	
		For Installation In New Panelboard, Deduct	*-16.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	749.97	35.99
		For Bolt-On, Add	*107.74*	
		For Installation In New Panelboard, Deduct	*-20.00*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.99*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,151.12	43.19
		For Bolt-On, Add	*160.68*	
		For Installation In New Panelboard, Deduct	*-23.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,927.89	55.98
		For Bolt-On, Add	*387.68*	
		For Installation In New Panelboard, Deduct	*-30.99*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.19*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*

Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0005	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	311.91	79.98
26 28 16 16-0006	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	496.68	96.37
26 28 16 16-0007	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	687.02	112.76
26 28 16 16-0008	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,186.96	177.54
26 28 16 16-0009	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,546.62	275.91
26 28 16 16-0010	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,264.26	407.88
26 28 16 16-0011	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,834.17	479.85
26 28 16 16-0012	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,851.60	559.83

26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0014	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	481.93	88.86
26 28 16 16-0015	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	581.51	107.09
26 28 16 16-0016	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	934.71	125.16
26 28 16 16-0017	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,379.26	197.54
26 28 16 16-0018	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,036.94	306.46
26 28 16 16-0019	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,739.76	452.98
26 28 16 16-0020	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,039.18	532.88
26 28 16 16-0021	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,640.32	622.04

26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0023	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	441.10	125.56
26 28 16 16-0024	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	654.09	166.75
26 28 16 16-0025	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	889.30	185.14
26 28 16 16-0026	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,407.42	289.91
26 28 16 16-0027	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,951.06	475.85
26 28 16 16-0028	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,823.50	666.60

26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0030	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	581.90	138.75
26 28 16 16-0031	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	737.70	185.14
26 28 16 16-0032	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,101.02	208.33
26 28 16 16-0033	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,618.84	317.50
26 28 16 16-0034	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,647.80	512.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0035	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,888.46	740.57
26 28 16 16-0036	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,435.02	879.72
26 28 16 16-0037	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,087.95	999.69
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	426.50	125.56
26 28 16 16-0040	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	635.23	166.75
26 28 16 16-0041	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	854.99	185.14
26 28 16 16-0042	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,454.61	289.91
26 28 16 16-0043	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,217.01	475.85
26 28 16 16-0044	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,223.61	666.60
26 28 16 16-0045	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,703.17	839.74
26 28 16 16-0046	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,747.45	959.70
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	635.45	138.75
26 28 16 16-0049	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	803.51	185.14
26 28 16 16-0050	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,197.25	208.33
26 28 16 16-0051	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,762.88	317.50
26 28 16 16-0052	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,955.12	512.64
26 28 16 16-0053	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,431.23	740.57
26 28 16 16-0054	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,336.16	879.72
26 28 16 16-0055	EA	1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,061.37	999.69
26 28 16 16-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	302.68	115.73
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	472.94	160.99
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	657.21	185.14
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,028.73	296.23
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,090.95	493.68
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,438.61	673.23
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,935.94	799.75
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,535.93	933.38
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	334.35	127.72
26 28 16 16-0068	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	535.87	180.66
26 28 16 16-0069	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	743.36	205.70
26 28 16 16-0070	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,153.42	321.98
26 28 16 16-0071	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,249.82	528.96
26 28 16 16-0072	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,803.41	740.49
26 28 16 16-0073	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,486.79	799.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0074	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,290.30	933.38
26 28 16 16-0075		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	351.00	103.97
26 28 16 16-0077	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	540.15	144.76
26 28 16 16-0078	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	734.51	166.75
26 28 16 16-0079	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,153.03	266.72
26 28 16 16-0080	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,326.53	444.26
26 28 16 16-0081	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,772.75	605.81
26 28 16 16-0082	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,557.38	719.78
26 28 16 16-0083	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,564.70	839.74
26 28 16 16-0084		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	382.68	114.77
26 28 16 16-0086	EA	60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	593.37	162.75
26 28 16 16-0087	EA	100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	800.20	185.14
26 28 16 16-0088	EA	200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,243.66	289.91
26 28 16 16-0089	EA	400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,492.70	475.85
26 28 16 16-0090	EA	600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,076.86	666.60
26 28 16 16-0091	EA	800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,921.90	719.78
26 28 16 16-0092		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	409.85	114.93
26 28 16 16-0094	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	639.70	162.59
26 28 16 16-0095	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	875.56	185.14
26 28 16 16-0096	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,359.74	289.75
26 28 16 16-0097	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,655.08	476.01
26 28 16 16-0098	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,557.41	666.44
26 28 16 16-0099	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,470.42	719.78
26 28 16 16-0100	EA	1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,793.80	839.74
26 28 16 16-0101		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	612.00	104.13
26 28 16 16-0103	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	735.90	144.92
26 28 16 16-0104	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,138.24	166.59
26 28 16 16-0105	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,705.20	266.56
26 28 16 16-0106		**480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	662.39	114.77
26 28 16 16-0108	EA	60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	803.12	162.75
26 28 16 16-0109	EA	100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,232.78	185.14
26 28 16 16-0110	EA	200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,835.28	289.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	738.02	114.93
26 28 16 16-0113	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	886.54	162.59
26 28 16 16-0114	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,382.80	185.14
26 28 16 16-0115	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,053.81	289.75
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	213.90	69.58
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	293.57	83.73
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	457.15	97.89
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	851.05	154.43
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,047.21	239.53
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,845.38	354.53
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	293.21	109.32
26 28 16 16-0126	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	415.59	144.92
26 28 16 16-0127	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	583.33	160.99
26 28 16 16-0128	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,047.05	252.00
26 28 16 16-0129	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,398.02	413.95
26 28 16 16-0130	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,299.30	579.49
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	328.50	109.32
26 28 16 16-0133	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	472.49	144.92
26 28 16 16-0134	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	635.10	160.99
26 28 16 16-0135	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,177.48	252.00
26 28 16 16-0136	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,620.97	413.95
26 28 16 16-0137	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,440.63	579.49
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	291.96	96.77
26 28 16 16-0141	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	391.77	111.25
26 28 16 16-0142	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	898.10	177.78
26 28 16 16-0143	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,941.53	295.91
26 28 16 16-0144	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,380.69	403.24
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	275.97	90.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0147	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	377.79	125.96
26 28 16 16-0148	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	583.07	144.92
26 28 16 16-0149	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,006.73	231.85
26 28 16 16-0150	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,123.24	386.44
26 28 16 16-0151	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,629.29	526.71
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	462.31	93.97
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	742.03	112.76
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	929.18	131.15
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,358.67	199.93
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,024.08	319.90
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,324.11	426.67
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,011.16	479.85
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,629.26	559.83
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	802.20	125.24
26 28 16 16-0165	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	954.45	153.56
26 28 16 16-0166	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,362.19	176.35
26 28 16 16-0167	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,916.35	264.47
26 28 16 16-0168	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,195.91	432.74
26 28 16 16-0169	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,752.25	595.09
26 28 16 16-0170	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,431.82	685.23
26 28 16 16-0171	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,590.29	771.36
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	584.69	147.95
26 28 16 16-0174	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	935.09	195.93
26 28 16 16-0175	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,130.84	215.13
26 28 16 16-0176	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,674.17	333.09
26 28 16 16-0177	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,650.23	555.43
26 28 16 16-0178	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,122.38	740.57
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	904.11	175.39
26 28 16 16-0181	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,077.72	214.97
26 28 16 16-0182	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,450.25	246.80
26 28 16 16-0183	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,104.62	370.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0184	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,463.28	605.90
26 28 16 16-0185	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,109.15	833.10
26 28 16 16-0186	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,518.78	959.70
26 28 16 16-0187	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,800.87	1,079.66
26 28 16 16-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	644.52	147.95
26 28 16 16-0190	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	936.82	195.93
26 28 16 16-0191	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,214.97	215.13
26 28 16 16-0192	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,730.28	333.09
26 28 16 16-0193	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,701.71	555.43
26 28 16 16-0194	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,688.61	740.57
26 28 16 16-0195	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,235.38	839.74
26 28 16 16-0196	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,020.83	959.70
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	938.45	175.55
26 28 16 16-0199	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,116.32	215.13
26 28 16 16-0200	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,536.04	246.72
26 28 16 16-0201	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,160.38	370.29
26 28 16 16-0202	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,664.89	605.81
26 28 16 16-0203	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,340.79	832.94
26 28 16 16-0204	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,248.18	959.70
26 28 16 16-0205	EA	1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,762.32	1,079.66
26 28 16 16-0206		**Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	440.18	82.29
26 28 16 16-0209	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	722.53	113.96
26 28 16 16-0210	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	953.55	130.68
26 28 16 16-0211	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,261.67	211.61
26 28 16 16-0212	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,831.04	353.01
26 28 16 16-0213	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,194.99	470.65
26 28 16 16-0214	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,394.79	560.07
26 28 16 16-0215	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,100.80	640.04
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	495.95	90.69
26 28 16 16-0218	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	819.21	126.92
26 28 16 16-0219	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,077.50	143.31
26 28 16 16-0220	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,402.64	222.18
26 28 16 16-0221	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,218.63	370.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0222	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,611.57	493.68
26 28 16 16-0223	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,954.79	586.70
26 28 16 16-0224	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,837.44	666.44
26 28 16 16-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	522.45	123.41
26 28 16 16-0227	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	836.45	170.91
26 28 16 16-0228	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,084.23	196.01
26 28 16 16-0229	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,473.24	317.42
26 28 16 16-0230	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,227.13	529.44
26 28 16 16-0231	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,750.04	705.78
26 28 16 16-0232	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,049.11	839.74
26 28 16 16-0233	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,008.95	959.70
26 28 16 16-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	567.32	135.96
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	910.84	190.42
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,171.61	214.97
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,564.88	333.25
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,433.77	555.35
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,128.93	740.49
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,655.32	879.72
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,808.30	999.69
26 28 16 16-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	294.35	135.96
26 28 16 16-0245	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	946.15	190.42
26 28 16 16-0246	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,220.84	214.97
26 28 16 16-0247	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,624.79	333.25
26 28 16 16-0248	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,588.89	555.35
26 28 16 16-0249	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,105.23	740.49
26 28 16 16-0250	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,642.04	879.72
26 28 16 16-0251	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,790.23	999.69
26 28 16 16-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	278.27	81.73
26 28 16 16-0255	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	395.86	98.05
26 28 16 16-0256	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	523.40	114.04
26 28 16 16-0257	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,084.60	173.86
26 28 16 16-0258	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,680.46	278.16
26 28 16 16-0259	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,774.01	371.08

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0260			240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0261		EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	372.85	128.84
26 28 16 16-0262		EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	540.97	170.43
26 28 16 16-0263		EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	668.96	186.98
26 28 16 16-0264		EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,317.14	289.75
26 28 16 16-0265		EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,091.64	482.89
26 28 16 16-0266		EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,326.55	644.11
26 28 16 16-0267			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0268		EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	422.32	128.76
26 28 16 16-0269		EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	590.56	170.43
26 28 16 16-0270		EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	828.63	186.98
26 28 16 16-0271		EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,420.28	289.75
26 28 16 16-0272		EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,157.88	482.97
26 28 16 16-0273		EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,843.83	644.11
26 28 16 16-0274		EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,386.78	729.69
26 28 16 16-0275			General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277		EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	251.51	71.58
26 28 16 16-0278		EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	414.99	99.09
26 28 16 16-0279		EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	434.42	113.64
26 28 16 16-0280		EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,105.25	183.95
26 28 16 16-0281		EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,738.65	306.94
26 28 16 16-0282		EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,852.63	409.23
26 28 16 16-0283			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284		EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	394.57	107.33
26 28 16 16-0285		EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	569.09	148.59
26 28 16 16-0286		EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	842.08	170.43
26 28 16 16-0287		EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,450.63	275.99
26 28 16 16-0288			NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289			Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291		EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,259.53	79.98
26 28 16 16-0292		EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,512.97	96.37
26 28 16 16-0293		EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,102.49	112.60
26 28 16 16-0294		EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,286.97	177.70
26 28 16 16-0295		EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,731.48	275.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,548.70	407.72
26 28 16 16-0297		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,600.77	88.86
26 28 16 16-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,778.57	107.01
26 28 16 16-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,353.77	125.08
26 28 16 16-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,735.95	197.54
26 28 16 16-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,063.88	306.62
26 28 16 16-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,993.81	452.98
26 28 16 16-0304		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,408.60	125.72
26 28 16 16-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,763.82	166.59
26 28 16 16-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,389.87	185.14
26 28 16 16-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,813.77	289.75
26 28 16 16-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,402.67	476.01
26 28 16 16-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,420.81	666.44
26 28 16 16-0311		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,705.17	138.83
26 28 16 16-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,939.64	185.14
26 28 16 16-0314	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,529.76	208.25
26 28 16 16-0315	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,989.07	317.34
26 28 16 16-0316	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,706.58	512.64
26 28 16 16-0317	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,809.97	740.49
26 28 16 16-0318		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,688.39	125.72
26 28 16 16-0320	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,113.60	166.59
26 28 16 16-0321	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,089.77	185.14
26 28 16 16-0322	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,770.84	289.75
26 28 16 16-0323	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,286.32	476.01
26 28 16 16-0324	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,009.39	666.44
26 28 16 16-0325		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,035.78	138.83
26 28 16 16-0327	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,314.55	185.14
26 28 16 16-0328	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,244.18	208.25
26 28 16 16-0329	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,954.14	317.34
26 28 16 16-0330	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,615.64	512.64
26 28 16 16-0331	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,433.84	740.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0332		Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,207.90	79.98
26 28 16 16-0335	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,467.72	111.25
26 28 16 16-0336	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,777.62	127.96
26 28 16 16-0337	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,848.96	204.41
26 28 16 16-0338	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,013.04	340.37
26 28 16 16-0339	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,048.67	463.70
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,374.16	88.21
26 28 16 16-0342	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,672.51	124.76
26 28 16 16-0343	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,166.30	142.20
26 28 16 16-0344	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,375.93	222.18
26 28 16 16-0345	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,968.19	365.65
26 28 16 16-0346	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,448.10	511.84
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,256.22	104.13
26 28 16 16-0349	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,515.12	144.92
26 28 16 16-0350	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,578.40	166.59
26 28 16 16-0351	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,054.86	266.56
26 28 16 16-0352	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,328.70	444.34
26 28 16 16-0353	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,633.42	605.90
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,427.47	114.93
26 28 16 16-0356	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,748.15	162.59
26 28 16 16-0357	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,252.19	185.14
26 28 16 16-0358	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,511.05	289.75
26 28 16 16-0359	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,025.45	476.01
26 28 16 16-0360	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,100.55	666.44
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,734.56	104.13
26 28 16 16-0363	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,076.18	144.92
26 28 16 16-0364	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,701.23	166.59
26 28 16 16-0365	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,169.42	266.56
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0367	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,974.14	114.93
26 28 16 16-0368	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,366.72	162.59
26 28 16 16-0369	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,362.26	185.14
26 28 16 16-0370	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,163.81	289.75
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,294.85	138.75
26 28 16 16-0374	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,610.92	185.14
26 28 16 16-0375	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,715.86	208.33
26 28 16 16-0376	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,129.81	317.50
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,151.73	114.77
26 28 16 16-0379	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,461.09	162.75
26 28 16 16-0380	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,460.22	185.14
26 28 16 16-0381	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,055.75	289.91
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,627.75	138.75
26 28 16 16-0385	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,983.42	185.14
26 28 16 16-0386	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,420.31	208.33
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,466.70	114.77
26 28 16 16-0389	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,813.78	162.75
26 28 16 16-0390	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,136.38	185.14
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,069.06	159.95
26 28 16 16-0394	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,334.57	190.42
26 28 16 16-0395	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,588.30	214.97
26 28 16 16-0396	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,515.01	333.25
26 28 16 16-0397		Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,594.91	190.42
26 28 16 16-0399	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,867.95	214.97
26 28 16 16-0400	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,445.44	333.25
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0404	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	450.35	79.98
26 28 16 16-0405	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	589.60	96.37
26 28 16 16-0406	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	808.02	112.76
26 28 16 16-0407	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,365.09	177.54
26 28 16 16-0408	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,932.29	275.91
26 28 16 16-0409	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,310.92	407.88
26 28 16 16-0410		**600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	713.93	88.78
26 28 16 16-0412	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	733.27	107.17
26 28 16 16-0413	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,061.59	125.16
26 28 16 16-0414	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,660.57	197.54
26 28 16 16-0415	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,646.06	306.30
26 28 16 16-0416	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,241.12	453.06
26 28 16 16-0417		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	623.21	125.56
26 28 16 16-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	864.68	166.75
26 28 16 16-0420	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,188.24	185.14
26 28 16 16-0421	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,763.41	289.91
26 28 16 16-0422	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,478.67	475.85
26 28 16 16-0423	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,602.84	666.60
26 28 16 16-0424		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	835.35	138.75
26 28 16 16-0426	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	940.78	185.14
26 28 16 16-0427	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,398.86	208.33
26 28 16 16-0428	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,033.14	317.50
26 28 16 16-0429	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,289.72	512.64
26 28 16 16-0430	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,112.77	740.57
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	667.59	125.56
26 28 16 16-0433	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	895.18	166.75
26 28 16 16-0434	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,283.95	185.14
26 28 16 16-0435	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,883.57	289.91
26 28 16 16-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,800.41	475.85
26 28 16 16-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,820.20	666.60
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	886.81	138.75
26 28 16 16-0440	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,078.05	185.14
26 28 16 16-0441	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,493.24	208.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0442	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,213.30	317.50
26 28 16 16-0443	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,581.41	512.64
26 28 16 16-0444	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,352.98	740.57
26 28 16 16-0445		**Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	471.96	115.57
26 28 16 16-0448	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	624.85	161.15
26 28 16 16-0449	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	832.38	185.14
26 28 16 16-0450	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,182.84	296.31
26 28 16 16-0451	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,622.94	493.85
26 28 16 16-0452	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,168.34	673.39
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	526.24	127.56
26 28 16 16-0455	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	694.27	180.74
26 28 16 16-0456	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	927.82	205.54
26 28 16 16-0457	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,285.16	321.90
26 28 16 16-0458	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,776.25	529.04
26 28 16 16-0459	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,605.57	740.57
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	607.59	103.97
26 28 16 16-0462	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	797.63	144.76
26 28 16 16-0463	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,067.90	166.75
26 28 16 16-0464	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,517.90	266.72
26 28 16 16-0465	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,223.47	444.26
26 28 16 16-0466	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,108.02	605.81
26 28 16 16-0467		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	591.86	114.77
26 28 16 16-0469	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	861.31	162.75
26 28 16 16-0470	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,142.39	185.14
26 28 16 16-0471	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,493.21	289.91
26 28 16 16-0472	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,229.89	475.85
26 28 16 16-0473	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,094.41	666.60
26 28 16 16-0474		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	734.58	103.97
26 28 16 16-0476	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	869.85	144.76
26 28 16 16-0477	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,363.75	166.75
26 28 16 16-0478	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,162.03	266.72
26 28 16 16-0479	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,942.35	339.90

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	761.73	114.77
26 28 16 16-0482	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	947.10	162.75
26 28 16 16-0483	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,455.54	185.14
26 28 16 16-0484	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,218.15	289.91
26 28 16 16-0485	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,175.02	447.86
26 28 16 16-0486		Double Throw Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	564.85	102.77
26 28 16 16-0490	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	837.79	134.36
26 28 16 16-0491	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,177.58	175.55
26 28 16 16-0492	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,571.42	228.33
26 28 16 16-0493	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,842.18	285.51
26 28 16 16-0494	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,001.87	457.86
26 28 16 16-0495		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0496	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	710.06	143.95
26 28 16 16-0497	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	993.63	187.95
26 28 16 16-0498	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,502.83	245.92
26 28 16 16-0499	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,214.71	319.90
26 28 16 16-0500	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,293.26	399.88
26 28 16 16-0501	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,370.46	639.80
26 28 16 16-0502		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0503	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	945.62	179.95
26 28 16 16-0504	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,380.90	235.13
26 28 16 16-0505	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,471.67	307.10
26 28 16 16-0506	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,389.84	399.08
26 28 16 16-0507	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,890.06	499.84
26 28 16 16-0508	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,685.02	800.95
26 28 16 16-0509		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0510	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	971.56	134.36
26 28 16 16-0511	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,466.06	175.55
26 28 16 16-0512	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,166.87	228.33
26 28 16 16-0513	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,158.64	285.51
26 28 16 16-0514	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,618.16	457.86
26 28 16 16-0515		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0516	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,078.60	187.95
26 28 16 16-0517	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,606.40	245.92
26 28 16 16-0518	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,349.25	319.90
26 28 16 16-0519	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,387.18	399.88
26 28 16 16-0520	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,983.22	639.80
26 28 16 16-0521		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0522	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,464.58	235.13
26 28 16 16-0523	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,592.90	307.10
26 28 16 16-0524	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,639.90	399.08
26 28 16 16-0525	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,423.43	499.84
26 28 16 16-0526	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,282.63	800.95
26 28 16 16-0527		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0528		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0527)*		
26 28 16 16-0529	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,480.88	175.55
26 28 16 16-0530	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,433.06	228.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0531	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,341.58	285.51
26 28 16 16-0532	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,540.97	457.86
26 28 16 16-0533		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0534	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,937.77	245.52
26 28 16 16-0535	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,144.78	319.50
26 28 16 16-0536	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,671.61	399.88
26 28 16 16-0537	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,640.79	641.00
26 28 16 16-0538		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0539	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,879.59	180.03
26 28 16 16-0540	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,328.29	234.96
26 28 16 16-0541	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,269.74	307.02
26 28 16 16-0542	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,737.61	399.24
26 28 16 16-0543	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,082.07	499.84
26 28 16 16-0544	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,382.51	801.03
26 28 16 16-0545		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0546	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,259.04	134.36
26 28 16 16-0547	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,922.41	175.55
26 28 16 16-0548	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,518.76	228.33
26 28 16 16-0549	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,802.97	285.51
26 28 16 16-0550	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,075.10	457.86
26 28 16 16-0551		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0552	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,418.74	187.95
26 28 16 16-0553	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,145.64	245.52
26 28 16 16-0554	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,862.27	319.50
26 28 16 16-0555	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,359.53	399.88
26 28 16 16-0556	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,869.06	641.00
26 28 16 16-0557		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0527)*		
26 28 16 16-0558	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,347.68	234.96
26 28 16 16-0559	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,278.63	307.02
26 28 16 16-0560	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,861.13	399.24
26 28 16 16-0561	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,067.49	499.84
26 28 16 16-0562	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,462.89	801.03
26 28 16 16-0563		**NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0564		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0565	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,512.89	102.85
26 28 16 16-0566	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,709.97	134.28
26 28 16 16-0567	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,929.92	175.47
26 28 16 16-0568	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,655.83	228.17
26 28 16 16-0569	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,991.95	285.59
26 28 16 16-0570	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,312.39	457.70
26 28 16 16-0571		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0572	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,733.09	143.95
26 28 16 16-0573	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,046.25	187.95
26 28 16 16-0574	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,423.55	245.52
26 28 16 16-0575	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,383.84	319.50
26 28 16 16-0576	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,205.96	399.88
26 28 16 16-0577	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,176.93	641.00
26 28 16 16-0578		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0579	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,596.78	180.03
26 28 16 16-0580	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,033.12	234.96
26 28 16 16-0581	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,161.68	307.02
26 28 16 16-0582	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,656.94	399.24
26 28 16 16-0583	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,522.66	499.84
26 28 16 16-0584	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,036.63	801.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0585		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0586	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,264.94	134.28
26 28 16 16-0587	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,374.48	175.47
26 28 16 16-0588	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,523.83	228.17
26 28 16 16-0589	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,537.42	285.59
26 28 16 16-0590	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,762.23	457.70
26 28 16 16-0591		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0592	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,477.41	187.95
26 28 16 16-0593	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,621.42	245.52
26 28 16 16-0594	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,920.08	319.50
26 28 16 16-0595	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,079.75	399.88
26 28 16 16-0596	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,539.39	641.00
26 28 16 16-0597		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0563)*		
26 28 16 16-0598	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,064.74	234.96
26 28 16 16-0599	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,394.90	307.02
26 28 16 16-0600	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,794.41	399.24
26 28 16 16-0601	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,818.54	499.84
26 28 16 16-0602	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,428.82	801.03
26 28 16 16-0603		**Removal And Reinstallation Of Disconnect Switches** *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0604	EA	Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	399.88	
26 28 16 16-0605	EA	Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	519.86	
26 28 16 16-0606	EA	Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	579.86	
26 28 16 16-0607	EA	Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	679.83	
26 28 16 16-0608		**Bolted Contact Switches** *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0609		**Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0608)*		
26 28 16 16-0610		**Top Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0609)*		
26 28 16 16-0611	EA	800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	5,993.02	799.75
26 28 16 16-0612	EA	1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	6,501.43	959.70
26 28 16 16-0613	EA	1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	7,085.95	1,119.65
26 28 16 16-0614	EA	2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	7,496.48	1,279.60
26 28 16 16-0615	EA	2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	8,465.26	1,439.55
26 28 16 16-0616	EA	3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	10,586.79	1,599.50
26 28 16 16-0617	EA	4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	14,235.36	1,919.40
26 28 16 16-0618		**Bottom Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0609)*		
26 28 16 16-0619	EA	800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	6,344.65	799.75
26 28 16 16-0620	EA	1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,921.93	959.70
26 28 16 16-0621	EA	1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	7,502.83	1,119.65
26 28 16 16-0622	EA	2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	8,094.61	1,279.60
26 28 16 16-0623	EA	2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	9,110.51	1,439.55
26 28 16 16-0624	EA	3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	11,797.55	1,599.50
26 28 16 16-0625	EA	4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	15,496.86	1,919.40
26 28 16 16-0626		**Manually Operated, Bolted Contact Switches** *(26 28 16 16-0608)*		
26 28 16 16-0627		**Top Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0626)*		
26 28 16 16-0628	EA	800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	4,412.52	799.75
26 28 16 16-0629	EA	1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	4,939.77	959.70
26 28 16 16-0630	EA	1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	5,496.74	1,119.65
26 28 16 16-0631	EA	2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	6,049.37	1,279.60
26 28 16 16-0632	EA	2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	6,638.25	1,439.55
26 28 16 16-0633	EA	3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	8,759.78	1,599.50
26 28 16 16-0634	EA	4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	12,364.85	1,919.40
26 28 16 16-0635		**Bottom Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0626)*		
26 28 16 16-0636	EA	800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	4,645.24	799.75
26 28 16 16-0637	EA	1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	5,291.39	959.70
26 28 16 16-0638	EA	1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	5,837.49	1,119.65
26 28 16 16-0639	EA	2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	6,499.60	1,279.60
26 28 16 16-0640	EA	2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	7,203.75	1,439.55
26 28 16 16-0641	EA	3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	9,879.91	1,599.50
26 28 16 16-0642	EA	4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	13,539.35	1,919.40

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)		183.81	40.05
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct		*-2.89*	
		For Oversized Enclosure, Add		*28.94*	
		For Pilot Light, Add		*42.44*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)		241.14	52.07
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct		*-2.89*	
		For Oversized Enclosure, Add		*28.94*	
		For Pilot Light, Add		*42.44*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)		212.75	40.05
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct		*-2.89*	
		For Oversized Enclosure, Add		*28.94*	
		For Pilot Light, Add		*42.44*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)		270.08	52.07
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct		*-2.89*	
		For Oversized Enclosure, Add		*28.94*	
		For Pilot Light, Add		*42.44*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)		196.35	40.05
		For Oversized Enclosure, Add		*28.94*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)		257.54	52.07
		For Oversized Enclosure, Add		*28.94*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)		425.56	48.06
		For Pilot Light, Add		*110.93*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)		485.76	60.08
		For Pilot Light, Add		*110.93*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)		454.50	48.06
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)		511.81	60.08

26 29 13 13-0013 Non Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.		141.54	40.05
		For Oversize Enclosure, Add		*13.96*	
		For Pilot Light, Add		*67.02*	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.		242.83	52.07
		For Oversize Enclosure, Add		*13.96*	
		For Pilot Light, Add		*67.02*	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.		160.72	44.06
		For Oversize Enclosure, Add		*13.96*	
		For Pilot Light, Add		*67.02*	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.		262.94	56.08
		For Oversize Enclosure, Add		*13.96*	
		For Pilot Light, Add		*67.02*	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.		168.53	40.05
		For Oversize Enclosure, Add		*13.96*	
		For Pilot Light, Add		*67.02*	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.		270.76	52.07
		For Oversize Enclosure, Add		*13.96*	
		For Pilot Light, Add		*67.02*	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)		388.40	48.06
		For Pilot Light, Add		*106.11*	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)		479.44	60.08
		For Pilot Light, Add		*106.11*	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)		408.51	52.07
		For Pilot Light, Add		*106.11*	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)		496.76	64.09
		For Pilot Light, Add		*106.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	414.46	48.06
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	512.94	60.08
26 29 13 13-0026	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	104.48	28.04
		For Pilot Light, Add	*67.02*	
26 29 13 13-0027	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	205.76	40.05
		For Pilot Light, Add	*67.02*	
26 29 13 13-0028	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	123.66	32.05
		For Pilot Light, Add	*67.02*	
26 29 13 13-0029	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	224.94	44.06
		For Pilot Light, Add	*67.02*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	411.33	72.10
		For Pilot Light, Add	*107.97*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	602.73	96.14
		For Pilot Light, Add	*107.97*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	411.33	72.10
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	602.73	96.14

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	392.29	48.06
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	392.29	48.06
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	848.18	56.08
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	848.18	56.08
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,122.12	56.08
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	503.81	56.08
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	339.31	36.06
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	469.75	52.07
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	469.75	52.07
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,021.12	60.08
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,021.12	60.08
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,316.29	60.08
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	581.26	60.08
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	416.78	40.05
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	627.28	56.08
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	627.28	56.08
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,220.14	64.09
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,220.14	64.09
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,502.77	64.09
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	741.69	64.09
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	577.19	44.06
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	485.29	60.08
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	485.29	60.08
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	941.18	68.09
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	941.18	68.09
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,222.85	68.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	597.78	68.09
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	435.23	48.06
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	562.76	64.09
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	562.76	64.09
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,114.14	72.10
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,114.14	72.10
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,416.06	72.10
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	674.28	72.10
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	509.79	52.07

26 29 13 13-0072 Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,179.66	84.12
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,179.66	84.12
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,049.59	60.08
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,401.14	92.13
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,271.08	68.09

26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,179.66	84.12
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,049.59	60.08
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,401.14	92.13
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,271.08	68.09

26 29 13 13-0083 Magnetic Motor Starters *(26 29 13 13)*

26 29 13 13-0084 Non Reversing, Magnetic Contactors *(26 29 13 13-0083)*

26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	437.07	80.11
		For Factory Installed Accessory, Deduct	*-160.23*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	493.61	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	477.59	80.11
		For Factory Installed Accessory, Deduct	*-160.23*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	535.09	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	591.61	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	748.69	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	948.19	144.20
		For Factory Installed Accessory, Deduct	*-288.40*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	561.13	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	617.65	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	676.13	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	858.19	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	1,056.74	164.23
		For Factory Installed Accessory, Deduct	*-328.46*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	989.99	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	1,091.13	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,419.14	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,503.98	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,695.02	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	2,159.05	200.28
		For Factory Installed Accessory, Deduct	*-400.56*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	3,118.89	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	3,450.66	200.28
		For Factory Installed Accessory, Deduct	*-400.56*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	3,778.68	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	5,149.44	280.39
		For Factory Installed Accessory, Deduct	*-560.79*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	7,090.19	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	7,828.22	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	20,580.56	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	29,442.75	721.01
		For Factory Installed Accessory, Deduct	*-1,442.02*	

26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	466.98	80.11
		For Factory Installed Accessory, Deduct	*-160.23*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	523.51	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	507.49	80.11
		For Factory Installed Accessory, Deduct	*-160.23*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	565.95	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	622.48	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	781.49	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	981.96	144.20
		For Factory Installed Accessory, Deduct	*-288.40*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	592.96	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	651.41	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	707.96	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	890.99	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	1,088.57	164.23
		For Factory Installed Accessory, Deduct	*-328.46*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	1,132.76	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	1,234.85	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,561.90	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,784.68	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,974.76	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	2,439.75	200.28
		For Factory Installed Accessory, Deduct	*-400.56*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	4,032.32	200.28
		For Factory Installed Accessory, Deduct	*-400.56*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	4,360.35	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	8,888.32	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	25,242.53	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	34,118.22	721.01
		For Factory Installed Accessory, Deduct	*-1,442.02*	

26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	730.90	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	787.42	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	872.91	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	1,433.71	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,536.78	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	2,141.59	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	2,330.70	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	5,541.99	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	11,912.38	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	28,950.49	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	

26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	1,103.82	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	1,146.26	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	1,202.80	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	1,385.83	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	2,224.54	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	3,375.37	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	6,751.62	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	11,912.38	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	32,110.56	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	

26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	2,253.10	128.18
		For Factory Installed Accessory, Deduct	*-256.36*	
26 29 13 13-0159		**Non Reversing, Magnetic Starters** *(26 29 13 13-0083)*		
26 29 13 13-0160		**Open Enclosure, Non Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)	532.57	80.11
		For Factory Installed Accessory, Deduct	*-160.23*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)	548.59	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	595.86	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2)	660.10	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4)	1,068.77	144.20
		For Factory Installed Accessory, Deduct	*-288.40*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	681.32	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	806.35	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	846.86	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	1,077.77	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1)	1,215.56	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1)	1,900.48	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	4,095.08	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1)	9,469.02	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2)	21,947.42	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	31,595.76	721.01
		For Factory Installed Accessory, Deduct	*-1,442.02*	
26 29 13 13-0176		**NEMA 1, Non Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11)	564.40	80.11
		For Factory Installed Accessory, Deduct	*-160.23*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12)	580.42	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	627.69	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2)	691.93	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	712.19	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	777.41	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	879.66	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	1,221.50	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1)	1,359.29	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	2,181.18	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	4,676.74	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1)	10,532.02	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	

26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1)	792.64	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	856.88	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	877.13	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3)	942.36	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2)	1,044.61	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	1,523.42	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,660.25	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,537.13	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1)	5,857.42	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	13,553.18	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	32,530.16	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	

26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	792.64	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	856.88	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	877.13	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3)	942.36	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2)	1,044.61	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,523.42	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,660.25	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,537.13	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	5,857.42	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	2,346.29	136.19
		For Factory Installed Accessory, Deduct	*-272.38*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	2,907.70	136.19
		For Factory Installed Accessory, Deduct	*-272.38*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	2,993.17	144.20
		For Factory Installed Accessory, Deduct	*-288.40*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	4,687.24	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	5,647.08	200.28
		For Factory Installed Accessory, Deduct	*-400.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	9,028.15	280.39
		For Factory Installed Accessory, Deduct	*-560.79*	

26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11)	1,108.06	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	1,173.27	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	1,207.03	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	1,272.26	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	1,374.50	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	2,209.26	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	3,580.84	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11)	7,066.08	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	15,876.93	320.45
		For Factory Installed Accessory, Deduct	*-640.90*	

26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	2,348.98	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	4,396.90	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	8,713.63	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	

26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1)	2,273.36	128.18
		For Factory Installed Accessory, Deduct	*-256.36*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	2,346.29	136.19
		For Factory Installed Accessory, Deduct	*-272.38*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1)	2,381.02	136.19
		For Factory Installed Accessory, Deduct	*-272.38*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	2,450.09	144.20
		For Factory Installed Accessory, Deduct	*-288.40*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2)	2,567.78	144.20
		For Factory Installed Accessory, Deduct	*-288.40*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	3,815.24	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,040.75	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,101.52	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,221.72	112.16
		For Factory Installed Accessory, Deduct	*-224.31*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,264.76	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,298.52	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,389.78	128.18
		For Factory Installed Accessory, Deduct	*-256.36*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,442.75	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,477.47	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,586.32	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,244.59	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	9,913.75	360.50
		For Factory Installed Accessory, Deduct	*-721.01*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	18,622.40	480.68
		For Factory Installed Accessory, Deduct	*-961.34*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	60,844.89	881.23
		For Factory Installed Accessory, Deduct	*-1,762.47*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,082.60	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,127.56	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,162.29	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,279.59	112.16
		For Factory Installed Accessory, Deduct	*-224.31*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,324.56	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,359.29	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,476.59	128.18
		For Factory Installed Accessory, Deduct	*-256.36*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,529.56	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,564.29	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	2,812.04	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	4,635.26	240.34
		For Factory Installed Accessory, Deduct	*-480.68*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	10,631.42	360.50
		For Factory Installed Accessory, Deduct	*-721.01*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,571.50	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,606.23	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,811.23	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,224.89	160.23
		For Factory Installed Accessory, Deduct	*-320.45*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,990.14	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,356.32	128.18
		For Factory Installed Accessory, Deduct	*-256.36*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0275		**Magnetic Contactor/Starters Accessories** *(26 29 13 13-0083)*		
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	147.63	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	256.53	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	147.63	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	256.53	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	256.53	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	124.92	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	110.62	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	147.63	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	124.92	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	167.43	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	189.82	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	331.72	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	352.62	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	421.53	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	741.63	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	741.63	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	40.74	6.00
		For Factory Installed Accessory, Deduct	*-12.02*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	86.42	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	114.63	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	88.23	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	48.66	6.00
		For Factory Installed Accessory, Deduct	*-12.02*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	27.76	6.00
		For Factory Installed Accessory, Deduct	*-12.02*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	164.52	8.01
		For Factory Installed Accessory, Deduct	*-16.02*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	287.33	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	
26 29 13 13-0300		**Definite Purpose Starters** *(26 29 13 13)*		
26 29 13 13-0301		**Open Enclosure, Definite Purpose Starter** *(26 29 13 13-0300)*		
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	478.75	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	477.78	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	516.97	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	513.48	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	558.44	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	544.34	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	625.22	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	705.28	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	895.81	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	
26 29 13 13-0311		**NEMA 1, Definite Purpose Starter** *(26 29 13 13-0300)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	496.50	88.12
		For Factory Installed Accessory, Deduct	*-176.25*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	535.66	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	533.73	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	575.81	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	570.39	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	616.32	104.15
		For Factory Installed Accessory, Deduct	*-208.29*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	603.18	96.14
		For Factory Installed Accessory, Deduct	*-192.26*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	683.10	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	760.27	120.16
		For Factory Installed Accessory, Deduct	*-240.34*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	951.76	140.19
		For Factory Installed Accessory, Deduct	*-280.39*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	167.43	10.01
		For Factory Installed Accessory, Deduct	*-20.03*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	135.09	40.05
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	160.47	44.06
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	160.47	44.06
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	179.10	48.06
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	152.46	40.05
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	162.10	40.05
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	176.86	44.06
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	186.51	44.06
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	182.65	44.06
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	186.51	44.06
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	198.39	48.06
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	192.30	44.06
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	208.03	48.06
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	194.23	44.06
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	194.23	44.06
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	217.68	48.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	217.68	48.06

26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	205.51	40.05
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	224.80	40.05
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	249.21	44.06
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	249.21	44.06
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	268.50	44.06
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	280.38	48.06
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	280.38	48.06
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	241.20	40.05
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	260.49	40.05
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	282.97	44.06
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	302.26	44.06
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	319.93	48.06
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	339.22	48.06
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	272.36	44.06
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	317.70	44.06
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	360.44	48.06

26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	55.20	20.03
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	62.64	20.03
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	76.13	20.03
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	102.95	20.03

26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	4,674.52	383.88
		For NEMA 4, Add	*486.31*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	8,131.50	511.84
		For NEMA 4, Add	*888.27*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	14,181.60	607.81
		For NEMA 4, Add	*1,621.23*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	34,448.97	743.76
		For NEMA 4, Add	*4,121.00*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	54,919.17	951.71
		For NEMA 4, Add	*6,626.88*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	4,642.11	392.04
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	8,072.31	512.64
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	14,073.57	605.90
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	34,174.37	740.49
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	54,477.58	952.10

26 29 13 13-0378 Factory Modifications Pilot Devices *(26 29 13 13-0365)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	114.58	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	126.36	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	215.10	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	116.87	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	168.04	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	84.02	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	274.24	

26 29 13 13-0386 Factory Modifications Meters *(26 29 13 13-0365)*

26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,102.36	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,064.73	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	376.42	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	311.90	

26 29 13 13-0391 Factory Modifications Main Circuit Breakers *(26 29 13 13-0365)*

26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,456.93	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	2,664.55	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	5,667.76	

26 29 13 13-0395 Factory Modifications Addition *(26 29 13 13-0365)*

Note: For reversing service auto transformer type.

26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	

26 29 13 13-0400 Combination Starters Non-Reversing *(26 29 13 13)*

26 29 13 13-0401 240-600 Volt, 3-Pole *(26 29 13 13-0400)*

26 29 13 13-0402 NEMA 1 With Disconnect Switch *(26 29 13 13-0401)*

26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,472.23	183.95
		For Electronic Overloads, Add	*209.37*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,742.04	287.91
		For Electronic Overloads, Add	*220.88*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,507.11	335.90
		For Electronic Overloads, Add	*349.72*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,896.79	415.87
		For Electronic Overloads, Add	*582.11*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,242.38	663.79
		For Electronic Overloads, Add	*1,122.80*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	14,934.17	831.74
		For Electronic Overloads, Add	*2,520.93*	

26 29 13 13-0409 NEMA 1 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,908.17	183.95
		For Electronic Overloads, Add	*292.20*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,177.98	287.91
		For Electronic Overloads, Add	*303.71*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,930.95	335.90
		For Electronic Overloads, Add	*430.25*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,126.87	415.87
		For Electronic Overloads, Add	*625.82*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,562.32	663.79
		For Electronic Overloads, Add	*1,373.59*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	18,433.82	831.74
		For Electronic Overloads, Add	*3,185.86*	

26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	198.52	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	466.29	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	321.82	

26 29 13 13-0420 NEMA 4 With Disconnect Switch *(26 29 13 13-0401)*

26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,758.16	239.93
		For Electronic Overloads, Add	*430.25*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,991.49	335.90
		For Electronic Overloads, Add	*441.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,373.37	367.88
		For Electronic Overloads, Add	*690.24*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,076.59	447.86
		For Electronic Overloads, Add	*1,175.72*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	11,238.53	663.79
		For Electronic Overloads, Add	*1,882.07*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	25,130.40	831.74
		For Electronic Overloads, Add	*4,458.21*	

26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,194.10	239.93
		For Electronic Overloads, Add	*513.08*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,427.44	335.90
		For Electronic Overloads, Add	*524.59*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,797.21	367.88
		For Electronic Overloads, Add	*770.77*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,306.67	447.86
		For Electronic Overloads, Add	*1,219.43*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,558.47	663.79
		For Electronic Overloads, Add	*2,132.85*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	23,762.02	831.74
		For Electronic Overloads, Add	*4,198.22*	

26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	198.55
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	466.29
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	321.82

26 29 13 13-0438 NEMA 12 With Disconnect Switch *(26 29 13 13-0401)*

26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,527.33	185.14
		For Electronic Overloads, Add	*219.84*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,800.16	289.75
		For Electronic Overloads, Add	*231.92*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,599.14	333.25
		For Electronic Overloads, Add	*367.21*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,049.97	416.51
		For Electronic Overloads, Add	*611.21*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,537.84	666.52
		For Electronic Overloads, Add	*1,178.93*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	15,597.55	833.02
		For Electronic Overloads, Add	*2,646.97*	

26 29 13 13-0445 NEMA 12 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,047.87	185.14
		For Electronic Overloads, Add	*318.75*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,323.18	289.75
		For Electronic Overloads, Add	*331.30*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,136.65	333.25
		For Electronic Overloads, Add	*469.34*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,426.07	416.51
		For Electronic Overloads, Add	*682.67*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,219.02	666.52
		For Electronic Overloads, Add	*1,498.36*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	19,956.96	833.02
		For Electronic Overloads, Add	*3,475.26*	

26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	196.90
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	462.41
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	319.14

26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,670.87	383.88
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,976.25	511.84
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,357.48	703.78
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,991.59	959.70
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,078.21	1,343.58

26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,180.65
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,180.65
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,180.65

26 29 13 13-0466 Combination Starters Reversing *(26 29 13 13)*

26 29 13 13-0467 240-600 Volt, 3 Pole *(26 29 13 13-0466)*

26 29 13 13-0468 NEMA 1 With Disconnect Switch *(26 29 13 13-0467)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,806.86	239.93
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,067.59	335.90
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,082.57	367.88
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,769.56	447.86
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,461.23	663.79
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,036.88	239.93
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,313.12	335.90
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,370.00	367.88
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,373.85	447.86
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,238.70	663.79
26 29 13 13-0480		**NEMA 12 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,940.62	246.88
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,210.30	333.25
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,321.12	370.29
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,164.86	444.34
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,289.15	666.52
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,194.06	246.88
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,480.85	333.25
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,637.83	370.29
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,728.84	444.34
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,145.80	666.52
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,433.75	511.84
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,728.81	639.80
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,833.64	831.74
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,964.78	1,087.66
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	20,215.56	1,471.54
26 29 13 13-0498		**Solid State Motor Controllers** *(26 29 13 13)*		
26 29 13 13-0499		**Adjustable Voltage Drives, DC Motors** *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,457.91	143.95
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,779.77	143.95
26 29 13 13-0502		**Removal And Reinstallation Of Motor Starters** *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	571.25	
26 29 13 13-0504		**Auxiliary Devices** *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	410.54	79.98
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	410.54	79.98
26 29 13 13-0507	EA	Pilot Light Kit	435.83	79.98
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		**208/230 Volt Variable Frequency Drives** *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,184.95	157.58
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	1,325.70	157.58
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,536.42	157.58
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	1,674.70	157.58
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	1,763.59	157.58
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	1,820.62	157.58
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	2,029.99	236.83
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	2,469.35	236.83
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	2,989.46	315.05
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	3,456.99	315.05
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	4,301.89	394.32
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	5,352.04	394.32
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	6,523.44	462.99
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	7,338.33	553.56
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	8,364.75	591.85
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	9,774.71	553.56
26 29 23 00-0018		**460/480 Volt Variable Frequency Drives** *(26 29 23)* Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	1,590.99	138.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	1,708.45	157.58
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	1,821.75	236.83
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,023.17	236.83
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,552.39	315.05
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,982.30	315.07
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,743.82	394.33
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,270.49	394.32
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	5,116.76	462.99
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,056.77	553.56
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,028.04	591.85
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,949.09	630.15
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,487.19	668.26
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,239.08	705.81
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	12,928.33	788.59
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	17,351.87	864.60
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	22,303.88	941.05
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,262.15	1,102.80
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	30,494.93	1,249.21
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	35,693.02	1,411.61
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	38,536.99	1,586.04

26 30 Facility Electrical Power Generating And Storing Equipment
(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	1,275.27	75.98
		For >50, Deduct	*-112.33*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	1,336.17	75.98
		For >50, Deduct	*-118.42*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	1,251.39	75.98
		For >50, Deduct	*-109.94*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,001.09	75.98
		For >50, Deduct	*-84.91*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,137.00	75.98
		For >50, Deduct	*-98.51*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,158.53	75.98
		For >50, Deduct	*-100.66*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,091.25	75.98
		For >50, Deduct	*-93.93*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	500.42	75.98
		For >50, Deduct	*-34.85*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	614.80	75.98
		For >50, Deduct	*-46.29*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	660.56	75.98
		For >50, Deduct	*-50.86*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	3,021.03	79.98
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	3,980.45	79.98
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	4,200.88	79.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,695.42	79.98
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	7,427.02	79.98
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	8,631.13	79.98
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	7,045.50	159.95
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,909.44	159.95
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	270.67	39.98
26 31 00 00-0026		**SMA Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	2,249.79	79.98
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	2,697.74	79.98
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	3,115.19	79.98
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	3,433.88	79.98
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	3,326.53	79.98
26 31 00 00-0032		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,777.51	79.98
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,904.25	79.98
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	3,207.34	79.98
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,803.89	99.97
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,637.42	119.96
26 31 00 00-0038	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,932.79	119.96
26 31 00 00-0039	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,676.00	119.96
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	58,670.46	639.80
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	58,747.96	639.80
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	63,561.44	639.80
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	58,932.92	639.80
26 31 00 00-0044		**Solectria Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	9,245.81	159.95
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	9,245.81	159.95
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	9,515.38	159.95
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	9,515.38	159.95
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	28,965.49	479.85
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	27,617.62	479.85
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	31,661.24	479.85
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	30,912.42	479.85
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	33,608.16	479.85
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	32,110.53	479.85
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	35,425.70	639.80
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	33,778.30	639.80
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	36,773.57	639.80
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	34,826.65	639.80
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	388.85	20.00
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	423.50	20.00
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	678.16	20.00
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	232.23	29.99
26 31 00 00-0065	EA	20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	156.87	29.99
26 31 00 00-0066	EA	60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	426.01	29.99
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	287.02	79.98
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	280.04	79.98
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	444.13	119.96
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	446.58	119.96
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	672.95	119.96
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	616.40	79.98
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	735.33	79.98
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,425.21	159.95
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	3,235.95	159.95
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	552.04	79.98
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	186.48	29.99
26 31 00 00-0082	EA	40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	247.03	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0083	EA	60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	287.40	29.99
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	221.46	29.99
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	755.45	39.98
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	169.24	12.00
26 31 00 00-0089	EA	45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	213.53	16.00
26 31 00 00-0090	EA	49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	231.09	16.00
26 31 00 00-0091	EA	56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	265.83	24.00
26 31 00 00-0092	EA	69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	302.14	24.00
26 31 00 00-0093	EA	89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	358.56	27.99
26 31 00 00-0094	EA	104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	411.10	31.99
26 31 00 00-0095	EA	108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	406.49	31.99
26 31 00 00-0096	EA	210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	741.64	37.99
26 31 00 00-0097	EA	255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	856.99	39.98
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	178.66	20.03
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	244.60	20.03
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	358.98	20.03
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	410.12	20.03
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	411.46	20.03
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	793.64	20.03
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	917.45	20.03
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	201.46	20.00
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	972.62	20.03
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	914.75	20.03
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,217.54	20.03
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	544.69	20.03
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,275.40	20.03
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	424.75	39.98
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	866.58	20.00
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	724.64	20.00
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	136.63	20.00
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	336.04	39.98
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	852.45	20.00
26 31 00 00-0120	EA	RS 485 Module (SMA)	196.61	20.00
26 31 00 00-0121	EA	RS 232 Module (SMA)	201.46	20.00
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	378.33	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	204.08	20.00
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	202.73	20.00
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	379.72	20.00
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	179.79	5.99
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	3,451.72	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	378.93	20.00
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	384.24	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	124.82	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	227.00	20.00
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	192.55	20.00
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	746.85	20.00
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	486.94	20.00
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	842.77	20.00
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	1,445.90	20.00
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	390.81	20.00
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	279.76	20.00
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	185.56	20.00
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	779.88	20.00
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	89.31	20.00
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	272.92	20.00
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	303.60	20.00
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	165.34	39.98
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	579.54	39.98
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	1,262.08	79.98
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	96.78	5.99
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	145.22	5.99
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.52	1.97
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	24.15	1.97
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	25.07	1.97
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	27.61	1.97
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	31.42	1.97
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	50.15	3.96
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	61.99	3.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	81.57	5.93
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	28.24	1.97
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	39.05	1.97
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	57.78	3.96
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	76.86	3.96
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	125.10	7.92
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	130.48	7.92
26 31 00 00-0164	EA	Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery Note: Tamper proof enclosure.	2,326.14	215.93
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	8.18	1.99
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	24.22	9.99
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	30.21	9.99
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	15.72	4.00
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	7.66	3.00
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	16.00	4.00
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	4.34	1.33
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	4.54	1.33
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	11.35	4.00
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	66.92	20.00
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	73.70	20.00
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	79.17	20.00
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	98.41	29.99
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	118.76	29.99
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	137.22	29.99
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	152.32	39.98
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	200.93	39.98
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	283.11	59.98
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	138.35	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	256.72	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	53.37	20.00
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	54.00	20.00
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	54.57	20.00
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	55.99	20.00
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	49.59	20.00
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	50.31	20.00
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	52.41	20.00
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	51.82	20.00
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	101.05	29.99
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	101.48	29.99
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	102.77	29.99
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	101.43	29.99
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	19.84	4.00
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	13.29	4.00
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	24.96	5.99
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	25.94	5.99
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	7.19	1.33
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	32.43	4.00
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.74	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0632 for fuel reimbursment for commissioning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001		**Diesel Generator Sets** *(26 32 13 13)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	31,870.57	699.82
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,855.12*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,269.62*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*10,544.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,059.83*	
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	33,670.35	861.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,855.12*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,269.62*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*10,544.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,059.83*	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	34,661.88	944.77
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,855.12*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,269.62*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*10,544.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,059.83*	
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	40,789.05	1,084.73
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,855.12*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,269.62*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*10,544.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,059.83*	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	43,974.05	1,246.57
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,855.12*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,269.62*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*10,544.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,059.83*	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	51,739.68	1,460.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,855.12*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,269.62*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*10,544.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,059.83*	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	55,618.89	1,697.09
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,330.60*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*11,213.04*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,950.72*	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	56,709.99	2,012.01
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,330.60*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*11,213.04*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,950.72*	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	62,703.22	2,217.58
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,330.60*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*11,213.04*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,950.72*	
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	65,931.95	2,475.64
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,330.60*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*11,213.04*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,950.72*	
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	70,162.29	2,711.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,330.60*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*11,213.04*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,950.72*	
26 32 13 13-0013	EA	230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	75,855.62	2,864.92
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,330.60*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*11,213.04*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,950.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0014	EA	250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)	79,150.12	2,983.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0015	EA	275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)	86,315.75	3,144.86
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0016	EA	300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	88,100.34	3,284.82
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0017	EA	350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	99,665.31	3,674.10
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0018	EA	400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	107,429.91	4,024.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0019	EA	450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	121,754.77	4,334.56
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0020	EA	500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	128,179.27	4,618.87
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,085.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*31,098.29*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*41,464.39*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,062.94*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*38,013.68*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*50,684.90*	
26 32 13 13-0021	EA	600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	188,228.80	5,086.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*57,372.58*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*69,090.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*92,120.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*67,481.33*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*80,488.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*107,318.41*	
26 32 13 13-0022	EA	750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	215,821.32	5,594.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*57,372.58*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*69,090.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*92,120.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*67,481.33*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*80,488.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*107,318.41*	
26 32 13 13-0023	EA	800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	225,500.35	5,716.73
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*57,372.58*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*69,090.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*92,120.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*67,481.33*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*80,488.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*107,318.41*	
26 32 13 13-0024	EA	900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	275,885.74	6,162.87
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*57,372.58*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*69,090.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*92,120.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*67,481.33*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*80,488.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*107,318.41*	
26 32 13 13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	308,073.52	6,560.90
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*57,372.58*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*69,090.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*92,120.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*67,481.33*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*80,488.81*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*107,318.41*	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0001		**Natural Gas Or Propane Generator Sets** *(26 32 13 19)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	13,399.77	586.11
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*2,812.50*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,666.20*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	15,143.94	699.82
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*2,812.50*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,666.20*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	17,550.50	778.56
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*2,812.50*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,666.20*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	19,967.44	861.67
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*7,955.43*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	22,463.94	944.77
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*7,955.43*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	24,374.59	1,019.12
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*7,955.43*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	26,591.41	1,246.57
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*7,955.43*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	28,509.49	1,395.29
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,596.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*6,718.64*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*8,958.18*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*7,955.43*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	37,782.79	1,491.51
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,732.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	45,680.86	1,679.59
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,732.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	52,218.01	2,012.01
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,732.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	62,270.26	2,217.58
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,732.77*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,272.21*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,696.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,327.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,352.71*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	101,831.03	5,898.59
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,256.56*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*27,958.20*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,277.60*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*27,614.96*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*41,439.08*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	115,768.32	2,663.72
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,256.56*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*27,958.20*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,277.60*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*27,614.96*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*41,439.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	124,423.56	2,983.02
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,256.56*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*27,958.20*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,277.60*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*27,614.96*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*41,439.08*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	161,474.33	3,284.82
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,256.56*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*27,958.20*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,277.60*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*27,614.96*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*41,439.08*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	173,233.08	3,674.10
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,256.56*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*27,958.20*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,277.60*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*27,614.96*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*41,439.08*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	244,183.34	4,334.56
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,148.68*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*58,595.06*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*78,126.75*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*62,639.36*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*88,531.13*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	312,929.04	4,618.87
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,148.68*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*58,595.06*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*78,126.75*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*62,639.36*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*88,531.13*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	350,464.49	4,868.18
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,148.68*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*58,595.06*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*78,126.75*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*62,639.36*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*88,531.13*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	399,633.98	5,086.89
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,148.68*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*58,595.06*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*78,126.75*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*62,639.36*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*88,531.13*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	417,916.19	5,279.33
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,148.68*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*58,595.06*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*78,126.75*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*62,639.36*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*88,531.13*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	442,022.56	5,642.37
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,148.68*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*58,595.06*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*78,126.75*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*62,639.36*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*88,531.13*	

26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,470.97	368.80
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,691.26	409.78
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,466.99	391.68

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,675.32	159.95
26 32 29 00-0003	EA	5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,907.20	159.95
26 32 29 00-0004	EA	7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,141.61	159.95
26 32 29 00-0005	EA	10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,213.32	159.95
26 32 29 00-0006	EA	15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,230.97	199.93
26 32 29 00-0007	EA	20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,077.38	199.93
26 32 29 00-0008	EA	25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,597.88	199.93
26 32 29 00-0009	EA	40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,126.92	263.92
26 32 29 00-0010	EA	50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,696.10	263.92

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,567.14	159.95
26 32 29 00-0013	EA	5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,826.04	159.95
26 32 29 00-0014	EA	7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,947.57	159.95
26 32 29 00-0015	EA	10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,195.12	159.95
26 32 29 00-0016	EA	15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,418.25	199.93
26 32 29 00-0017	EA	20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,454.38	199.93
26 32 29 00-0018	EA	25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,831.38	199.93
26 32 29 00-0019	EA	40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,070.98	263.92
26 32 29 00-0020	EA	50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,924.70	263.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0021		**460 Volt 3 Phase AC Motor Drive 250 Volt DC** *(26 32 29)*		
26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	16,944.06	3,061.75
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	18,829.92	3,061.75
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	21,436.56	4,373.93
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,965.18	4,373.93
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,295.68	4,373.93
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,280.95	6,560.90
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	40,407.57	6,560.90
26 32 29 00-0029		**4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC** *(26 32 29)*		
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	58,622.69	8,747.87
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	63,895.70	8,747.87
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	76,845.78	11,372.23
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	87,386.78	13,821.63
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	103,437.44	13,821.63
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	146,597.39	20,644.96
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	151,836.00	20,644.96
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	174,725.12	24,056.63

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001		**Standby Batteries** *(26 33 13)*		
26 33 13 00-0002	EA	12 Volt, 100 Amp Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	695.07	20.03
26 33 13 00-0003	EA	12 Volt, 100 Amp Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	750.58	20.03
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	279.98	20.03
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	253.59	20.03
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	441.75	20.03
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	514.67	20.03

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001		**Solid State Chargers, Single Phase** *(26 33 43)* Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,051.29	456.20
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,388.14	456.20
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,627.85	456.20
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,783.64	540.13

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001		**Single Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53)*		
26 33 53 00-0002		**Single Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53 00-0001)*		
26 33 53 00-0003		**120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	856.08	79.17
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,023.75	92.37
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,266.27	105.56
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	1,552.27	118.77
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,002.74	131.96
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	3,334.28	184.74
26 33 53 00-0010		**208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	3,272.81	184.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*		
		Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)	4,942.88	211.13
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208)	5,401.89	237.52
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208)	8,111.83	290.31
		Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208)	9,333.69	316.70
		Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*		
		Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230)	1,023.75	92.37
		Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230)	1,266.27	105.56
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)	1,570.43	118.77
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230)	2,007.12	131.96
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230)	3,347.92	184.74
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230)	4,737.62	211.13
		Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230)	5,828.64	237.52
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)	9,040.26	316.70
		Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)	587.31	24.00
		Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)	771.94	24.00
		Note: Rack mount or tower configuration.		
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)	751.39	24.00
		Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)	507.77	24.00
		Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	721.03	79.17
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	801.00	105.56
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (Emerson) *(26 33 53 00-0033)*		
		Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	24,133.35	316.70
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	26,748.22	422.27
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	29,922.85	527.83
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	32,481.75	633.40
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	39,070.85	738.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0040		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	53,080.78	1,259.60
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	57,842.80	1,559.52
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	64,016.16	1,819.43
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	78,913.55	2,059.36
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	82,008.28	2,299.28
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	85,222.85	2,539.21
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	89,109.13	2,779.14
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	92,995.41	3,019.05
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	49,526.30	1,039.67
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	64,352.01	1,827.43
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	87,785.65	2,111.34
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	103,298.78	2,319.28
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	120,715.05	2,559.20
26 33 53 00-0055		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	517.27	39.98
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	841.21	39.98
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	1,585.28	79.98
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	4,883.22	319.90
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	367.36	39.98
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	201.47	39.98
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	225.68	39.98
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	249.88	39.98
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	293.46	39.98
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	307.98	39.98
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	383.02	39.98
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	401.17	39.98
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	3,592.61	72.99
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	4,332.84	145.98
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	19.46	4.38
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	34.72	5.47
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	64.43	5.47
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	94.23	7.30
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	133.45	7.30
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	2,463.54	72.99
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	822.56	54.75

26 35 Power Filters And Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001		Power Factor Correction Capacitors *(26 35 33 16)*		
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	579.91	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	642.27	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	704.62	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	764.48	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	939.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,147.35	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	1,772.16	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	2,152.53	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	2,781.07	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	3,162.69	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	5,549.68	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	8,344.47	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	11,126.79	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	516.31	

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,479.59	1,271.60
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,141.32	1,599.50
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,750.65	1,903.40

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	878.37	139.95
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,024.18	173.86

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*

26 36 13 00-0005	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	2,779.78	204.90
		For NEMA 3R Enclosure, Add	*932.65*	
		For NEMA 12 Enclosure, Add	*877.78*	
26 36 13 00-0006	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	3,066.95	245.88
		For NEMA 3R Enclosure, Add	*932.65*	
		For NEMA 12 Enclosure, Add	*877.78*	
26 36 13 00-0007	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	3,475.84	286.86
		For NEMA 3R Enclosure, Add	*932.65*	
		For NEMA 12 Enclosure, Add	*877.78*	
26 36 13 00-0008	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	4,335.09	327.83
		For NEMA 3R Enclosure, Add	*1,097.24*	
		For NEMA 12 Enclosure, Add	*877.78*	
26 36 13 00-0009	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	5,391.10	368.80
		For NEMA 3R Enclosure, Add	*1,097.24*	
		For NEMA 12 Enclosure, Add	*877.78*	
26 36 13 00-0010	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	6,064.55	409.78
		For NEMA 3R Enclosure, Add	*1,097.24*	
		For NEMA 12 Enclosure, Add	*877.78*	
26 36 13 00-0011	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	6,749.07	450.76
		For NEMA 3R Enclosure, Add	*1,294.74*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 13 00-0012	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	7,949.62	491.74
		For NEMA 3R Enclosure, Add	*1,294.74*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 13 00-0013	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	10,538.33	614.68
		For NEMA 3R Enclosure, Add	*1,294.74*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 13 00-0014	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	11,824.35	737.62
		For NEMA 3R Enclosure, Add	*1,590.98*	
		For NEMA 12 Enclosure, Add	*1,536.13*	
26 36 13 00-0015	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	15,747.08	1,049.74
		For NEMA 3R Enclosure, Add	*1,590.98*	
		For NEMA 12 Enclosure, Add	*1,536.13*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,441.17	286.86
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,335.84	368.80
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	5,367.99	491.74
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	12,596.64	614.68

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	4,214.25	204.90
		For NEMA 3R Enclosure, Add	*932.65*	
		For NEMA 4 Enclosure, Add	*987.51*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0009	EA	70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	4,858.52	245.88
		For NEMA 3R Enclosure, Add	*932.65*	
		For NEMA 4 Enclosure, Add	*987.51*	
		For NEMA 12 Enclosure, Add	*987.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0010	EA	125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	5,328.77	286.86
		For NEMA 3R Enclosure, Add	*932.65*	
		For NEMA 4 Enclosure, Add	*987.51*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0011	EA	150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	6,349.28	327.83
		For NEMA 3R Enclosure, Add	*1,097.24*	
		For NEMA 4 Enclosure, Add	*1,426.40*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0012	EA	225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	7,254.10	368.80
		For NEMA 3R Enclosure, Add	*1,097.24*	
		For NEMA 4 Enclosure, Add	*1,426.40*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0013	EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	8,003.00	409.78
		For NEMA 3R Enclosure, Add	*1,097.24*	
		For NEMA 4 Enclosure, Add	*1,426.40*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0014	EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	8,345.50	450.76
		For NEMA 3R Enclosure, Add	*1,294.74*	
		For NEMA 4 Enclosure, Add	*1,536.13*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0015	EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	9,451.49	491.74
		For NEMA 3R Enclosure, Add	*1,294.74*	
		For NEMA 4 Enclosure, Add	*1,536.13*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0016	EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	12,996.85	614.68
		For NEMA 3R Enclosure, Add	*1,294.74*	
		For NEMA 4 Enclosure, Add	*1,536.13*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0017	EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	14,539.39	737.62
		For NEMA 3R Enclosure, Add	*1,590.98*	
		For NEMA 4 Enclosure, Add	*1,755.58*	
		For NEMA 12 Enclosure, Add	*1,536.13*	
26 36 23 00-0018	EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	18,920.81	1,049.74
		For NEMA 3R Enclosure, Add	*1,590.98*	
		For NEMA 4 Enclosure, Add	*1,755.58*	
		For NEMA 12 Enclosure, Add	*1,536.13*	
26 36 23 00-0019	EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	24,720.86	1,137.22
		For NEMA 3R Enclosure, Add	*3,511.15*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,645.86*	
26 36 23 00-0020	EA	1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	26,282.96	1,312.18
		For NEMA 3R Enclosure, Add	*5,705.61*	
		For NEMA 4 Enclosure, Add	*7,022.28*	
		For NEMA 12 Enclosure, Add	*5,705.61*	
26 36 23 00-0021	EA	2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	30,060.93	1,487.14
		For NEMA 3R Enclosure, Add	*5,705.61*	
		For NEMA 4 Enclosure, Add	*7,022.28*	
		For NEMA 12 Enclosure, Add	*5,705.61*	
26 36 23 00-0022	EA	3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	36,276.04	1,837.05
		For NEMA 3R Enclosure, Add	*5,705.61*	
26 36 23 00-0023	EA	4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	63,696.62	2,186.96
		For NEMA 3R Enclosure, Add	*26,816.31*	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0025	EA	150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	20,553.18	1,557.19
		For NEMA 3R Enclosure, Add	*1,920.16*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,042.38*	
26 36 23 00-0026	EA	225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	21,443.59	1,639.14
		For NEMA 3R Enclosure, Add	*1,920.16*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,042.38*	
26 36 23 00-0027	EA	260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	22,476.69	1,721.10
		For NEMA 3R Enclosure, Add	*1,920.16*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,042.38*	
26 36 23 00-0028	EA	300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	25,223.14	1,762.08
		For NEMA 3R Enclosure, Add	*1,920.16*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,042.38*	
26 36 23 00-0029	EA	400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	29,309.86	1,803.06
		For NEMA 3R Enclosure, Add	*1,920.16*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,042.38*	
26 36 23 00-0030	EA	600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	35,433.72	1,885.02
		For NEMA 3R Enclosure, Add	*1,920.16*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0031	EA	800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	39,158.15	1,966.98
		For NEMA 3R Enclosure, Add	*1,975.02*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,206.96*	
26 36 23 00-0032	EA	1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	49,354.66	2,294.80
		For NEMA 3R Enclosure, Add	*1,975.02*	
		For NEMA 4 Enclosure, Add	*1,975.02*	
		For NEMA 12 Enclosure, Add	*1,206.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0033	EA	1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	65,177.13	2,624.36
		For NEMA 3R Enclosure, Add	*8,777.85*	
		For NEMA 4 Enclosure, Add	*10,972.30*	
		For NEMA 12 Enclosure, Add	*8,777.85*	
26 36 23 00-0034	EA	1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	85,538.10	2,799.32
		For NEMA 3R Enclosure, Add	*18,652.91*	
		For NEMA 4 Enclosure, Add	*18,652.91*	
		For NEMA 12 Enclosure, Add	*17,380.13*	
26 36 23 00-0035	EA	2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	97,219.82	3,061.75
		For NEMA 3R Enclosure, Add	*18,652.91*	
		For NEMA 4 Enclosure, Add	*18,652.91*	
		For NEMA 12 Enclosure, Add	*17,380.13*	
26 36 23 00-0036	EA	3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	156,618.61	3,499.14
		For NEMA 3R Enclosure, Add	*23,041.83*	
26 36 23 00-0037	EA	4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	168,923.97	3,936.54
		For NEMA 3R Enclosure, Add	*23,041.83*	

26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0039	EA	40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	6,982.60	204.90
		For NEMA 3R Enclosure, Add	*548.62*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0040	EA	70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	7,531.31	245.88
		For NEMA 3R Enclosure, Add	*548.62*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0041	EA	125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	8,079.02	286.86
		For NEMA 3R Enclosure, Add	*548.62*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0042	EA	150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	9,716.16	327.83
		For Four Pole Circuit Breaker, Add	*2,743.08*	
		For NEMA 3R Enclosure, Add	*548.62*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0043	EA	225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	12,699.25	368.80
		For Four Pole Circuit Breaker, Add	*2,743.08*	
		For NEMA 3R Enclosure, Add	*548.62*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0044	EA	250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	13,506.49	409.78
		For Four Pole Circuit Breaker, Add	*2,743.08*	
		For NEMA 3R Enclosure, Add	*548.62*	
		For NEMA 12 Enclosure, Add	*987.51*	
26 36 23 00-0045	EA	300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	14,026.05	450.76
		For Four Pole Circuit Breaker, Add	*3,730.59*	
		For NEMA 3R Enclosure, Add	*1,426.40*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0046	EA	400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	15,887.49	491.74
		For Four Pole Circuit Breaker, Add	*3,730.59*	
		For NEMA 3R Enclosure, Add	*1,426.40*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0047	EA	600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	19,262.85	614.68
		For Four Pole Circuit Breaker, Add	*3,730.59*	
		For NEMA 3R Enclosure, Add	*1,426.40*	
		For NEMA 12 Enclosure, Add	*1,097.24*	
26 36 23 00-0048	EA	800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	19,987.55	737.62
		For Four Pole Circuit Breaker, Add	*5,321.57*	
		For NEMA 3R Enclosure, Add	*2,457.81*	
		For NEMA 12 Enclosure, Add	*1,536.13*	
26 36 23 00-0049	EA	1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	23,628.61	1,049.74
		For Four Pole Circuit Breaker, Add	*5,321.57*	
		For NEMA 3R Enclosure, Add	*2,457.81*	
		For NEMA 12 Enclosure, Add	*1,536.13*	

26 36 23 00-0050 Accessories *(26 36 23)*

26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch	254.56
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch	2,084.75
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch	757.09

26 40 Electrical And Cathodic Protection *(26)*

26 41 Facility Lightning Protection *(26 40)*

26 41 13 Lightning Protection For Structures ***(26 41)***

26 41 13 13 Lightning Protection For Buildings ***(26 41 13)***

26 41 13 13-0001 Lightning Protection *(26 41 13 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 13-0002		Air Terminals For Lightning Protection *(26 41 13 13-0001)*		
26 41 13 13-0003		Copper Lightning Protection Air Terminals *(26 41 13 13-0002)*		
26 41 13 13-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	55.67	8.00
26 41 13 13-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	68.89	8.00
26 41 13 13-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	90.62	8.00
26 41 13 13-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	100.64	8.00
26 41 13 13-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	197.33	16.00
26 41 13 13-0009		Aluminum Lightning Protection Air Terminals *(26 41 13 13-0002)*		
26 41 13 13-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	51.06	8.00
26 41 13 13-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	65.08	8.00
26 41 13 13-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	82.90	8.00
26 41 13 13-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	92.11	8.00
26 41 13 13-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	179.75	16.00
26 41 13 13-0015		Terminal Bases For Lightning Protection *(26 41 13 13-0001)*		
26 41 13 13-0016		Copper Lightning Protection Terminal Bases *(26 41 13 13-0015)*		
26 41 13 13-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	68.44	24.00
26 41 13 13-0018	EA	Bolted Base For Copper Lightning Protection Terminal	87.11	31.99
26 41 13 13-0019	EA	Hinged Base For Copper Lightning Protection Terminal	119.35	39.98
26 41 13 13-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	87.11	31.99
26 41 13 13-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	94.21	31.99
26 41 13 13-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	165.18	63.98
26 41 13 13-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	117.49	39.98
26 41 13 13-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	68.44	24.00
26 41 13 13-0025		Aluminum Lightning Protection Terminal Bases *(26 41 13 13-0015)*		
26 41 13 13-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	63.45	24.00
26 41 13 13-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	85.54	31.99
26 41 13 13-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	115.79	39.98
26 41 13 13-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	85.85	31.99
26 41 13 13-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	90.15	31.99
26 41 13 13-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	163.08	63.98
26 41 13 13-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	112.25	39.98
26 41 13 13-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	63.45	24.00
26 41 13 13-0034		Connectors *(26 41 13 13-0001)*		
26 41 13 13-0035		Copper Cable Connectors *(26 41 13 13-0034)*		
26 41 13 13-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	138.14	39.98
26 41 13 13-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	184.36	63.98
26 41 13 13-0038	EA	Beam Connector For Copper Lightning Protection System	120.64	39.98
26 41 13 13-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	29.94	8.00
26 41 13 13-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	31.23	8.00
26 41 13 13-0041	EA	Tee Connector For Copper Lightning Protection Terminal	94.02	24.00
26 41 13 13-0042		Aluminum Cable Connectors *(26 41 13 13-0034)*		
26 41 13 13-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	128.99	39.98
26 41 13 13-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	180.73	63.98
26 41 13 13-0045	EA	Beam Connector For Aluminum Lightning Protection System	119.78	39.98
26 41 13 13-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	28.83	8.00
26 41 13 13-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	85.21	24.00
26 41 13 13-0048		Bonding Plates *(26 41 13 13-0001)*		
26 41 13 13-0049		Copper Bonding Plates *(26 41 13 13-0048)*		
26 41 13 13-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	103.73	39.98
26 41 13 13-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	108.07	39.98
26 41 13 13-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	158.24	63.98
26 41 13 13-0053		Aluminum Bonding Plates *(26 41 13 13-0048)*		
26 41 13 13-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	99.82	39.98
26 41 13 13-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	104.73	39.98
26 41 13 13-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	150.49	63.98
26 41 13 13-0057		Cable Supports *(26 41 13 13-0001)*		
26 41 13 13-0058		Copper Cable Supports *(26 41 13 13-0057)*		
26 41 13 13-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	18.20	8.00
26 41 13 13-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	18.53	8.00
26 41 13 13-0061		Aluminum Cable Supports *(26 41 13 13-0057)*		
26 41 13 13-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	17.94	8.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 13-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	17.83	8.00
26 41 13 13-0064		**Bonding Straps** *(26 41 13 13-0001)*		
26 41 13 13-0065		**Copper Bonding Straps** *(26 41 13 13-0064)*		
26 41 13 13-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	55.40	24.00
26 41 13 13-0067		**Aluminum Bonding Straps** *(26 41 13 13-0064)*		
26 41 13 13-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	53.01	24.00
26 41 13 13-0069		**Accessories For Lightning Protection** *(26 41 13 13-0001)* See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 13-0070		**Copper Adapters** *(26 41 13 13-0069)*		
26 41 13 13-0071	EA	Swivel Adapters For Copper Lightning Protection System	23.93	4.00
26 41 13 13-0072		**Aluminum Adapters** *(26 41 13 13-0069)*		
26 41 13 13-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	25.18	4.00
26 41 13 13-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	139.95	39.98

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001		**25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	215.35	20.00
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	233.14	20.00
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	241.14	24.00
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	202.28	16.00
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	241.14	24.00
26 43 13 00-0007		**50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	303.04	20.00
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	321.20	24.00
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	313.20	20.00
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	321.20	24.00
26 43 13 00-0012		**100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	369.12	20.00
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	387.28	24.00
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	345.88	16.00
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	387.28	24.00
26 43 13 00-0017		**100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	437.74	20.00
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	492.76	24.00
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	415.77	16.00
26 43 13 00-0021		**160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	778.69	24.00
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	770.69	20.00
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	778.69	24.00
26 43 13 00-0025		**250 kA, 500 Joule Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	4,563.77	39.98
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	5,580.41	39.98
26 43 13 00-0028		**Class 1310 Transient Voltage Surge Suppression** *(26 43 13)* Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		**NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)* Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,643.74	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,015.80	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,887.63	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,847.83	159.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,622.42	219.93
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,804.71	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,192.64	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,160.83	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,202.63	159.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,169.93	219.93
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,804.71	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,192.64	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,160.79	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,202.63	159.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,169.93	219.93
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,965.69	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,371.74	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,436.28	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,559.75	159.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,719.66	219.93
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,152.73	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,557.68	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,724.20	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,933.83	159.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,517.29	219.93
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,827.60	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,419.59	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,032.95	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,919.42	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,555.61	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,210.91	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,919.42	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,555.61	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,210.91	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,036.18	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,701.85	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,438.75	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,158.61	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,857.14	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,677.93	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,714.95	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,087.01	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,958.84	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,875.92	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,263.84	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,232.04	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,875.92	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,263.84	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,232.00	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,036.90	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,442.95	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,507.49	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,223.93	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,628.89	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,795.41	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,898.81	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,490.80	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,104.15	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,990.62	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,626.82	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,282.12	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,990.62	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,626.82	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,282.12	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,107.38	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,773.05	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,509.96	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,229.81	103.97
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,928.35	119.96
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,749.14	139.95
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 50 Lighting *(26)*

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.37	22.87
		For Remodel T Housing, Add	*0.47*	
		For ICAT Housing, Add	*2.45*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.37	22.87
		For Remodel T Housing, Add	*0.47*	
		For ICAT Housing, Add	*2.45*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	56.61	24.00
		For Remodel T Housing, Add	*0.52*	
		For ICAT Housing, Add	*2.66*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	59.95	25.03
		For Remodel T Housing, Add	*0.56*	
		For ICAT Housing, Add	*2.88*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	63.31	26.07
		For Remodel T Housing, Add	*0.60*	
		For ICAT Housing, Add	*3.11*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	64.70	27.67
		For Remodel T Housing, Add	*0.58*	
		For ICAT Housing, Add	*2.98*	

26 51 13 00-0009 Recessed Fixture Trim *(26 51 13 00-0001)*

26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	40.29	11.20
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	44.59	11.20
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	52.05	11.20
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	56.00	11.20
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	44.66	11.20
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	42.35	11.20
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	45.00	11.20

26 51 13 00-0017 Track Lighting *(26 51 13)*

26 51 13 00-0018 Track Lighting Tracks *(26 51 13 00-0017)*

26 51 13 00-0019	LF	1 Circuit Track Lighting Track	26.13	5.28
26 51 13 00-0020	LF	2 Circuit Track Lighting Track	35.22	5.28
26 51 13 00-0021	LF	3 Circuit Track Lighting Track	42.89	5.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0022	LF	4 Circuit Track Lighting Track	50.54	6.39
26 51 13 00-0023		**Incandescent Track Lighting Fixtures** *(26 51 13 00-0017)*		
26 51 13 00-0024	EA	Incandescent Track Lighting Fixture	51.93	13.35
26 51 13 00-0025	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	65.07	13.35
26 51 13 00-0026	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	99.87	13.35
26 51 13 00-0027	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	103.32	13.35
26 51 13 00-0028	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	80.82	13.35
26 51 13 00-0029	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	65.07	13.35
26 51 13 00-0030	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish Note: 120V.	79.16	13.35
26 51 13 00-0031	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	106.77	13.35
26 51 13 00-0032		**Track Lighting Accessories** *(26 51 13 00-0017)*		
26 51 13 00-0033		**Pendant Mounting** *(26 51 13 00-0032)*		
26 51 13 00-0034	EA	Track Lighting Pendant Mounting, Up to 12"	25.36	
26 51 13 00-0035	EA	Track Lighting Pendant Mounting, >12" To 24"	34.53	
26 51 13 00-0036	EA	Track Lighting Pendant Mounting, >24" To 36"	42.73	
26 51 13 00-0037		**Wet Location, Dust Resistant, Vapor Tight Fixtures** *(26 51 13)*		
26 51 13 00-0038		**Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0037)*		
26 51 13 00-0039	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	137.33	31.99
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0040	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	165.53	31.99
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0041		**Removal And Reinstallation Of Light Fixtures** *(26 51 13)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 13 00-0042	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	85.04	
26 51 13 00-0043	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	97.18	
26 51 16		**Fluorescent Interior Lighting** *(26 51)*		
26 51 16 00-0001		**Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0002		**Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0003		**Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixtures (Lightron)** *(26 51 16 00-0002)* Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0004	EA	4-3/8" x 2', 1 17W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	154.53	36.79
26 51 16 00-0005	EA	4-3/8" x 2', 2 17W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	161.38	36.79
26 51 16 00-0006	EA	4-3/8" x 4', 1 32W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	162.50	36.79
26 51 16 00-0007	EA	4-3/8" x 4', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	171.44	36.79
26 51 16 00-0008	EA	4-3/8" x 8', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	268.74	36.79
26 51 16 00-0009	EA	4-3/8" x 8', 4 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	282.72	36.79
26 51 16 00-0010		**Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)* Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0011		**6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0010)*		
26 51 16 00-0012	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	113.61	22.85
26 51 16 00-0013	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	127.34	22.85
26 51 16 00-0014		**6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0010)*		
26 51 16 00-0015	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	127.43	23.79
26 51 16 00-0016	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	141.77	23.79
26 51 16 00-0017		**1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0010)*		
26 51 16 00-0018	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	151.35	26.71
26 51 16 00-0019	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	178.63	26.71
26 51 16 00-0020		**2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0010)*		
26 51 16 00-0021	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	125.23	29.20
26 51 16 00-0022	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	144.34	29.20
26 51 16 00-0023		**2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0010)*		
26 51 16 00-0024	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	194.04	34.01
26 51 16 00-0025	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	208.01	34.01
26 51 16 00-0026	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	235.25	34.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0027		Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0028		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*		
26 51 16 00-0029	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	150.51	26.50
26 51 16 00-0030	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	243.21	26.50
26 51 16 00-0031	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	276.65	26.50
26 51 16 00-0032		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*		
26 51 16 00-0033	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	236.29	29.20
26 51 16 00-0034	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	257.82	29.20
26 51 16 00-0035	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	273.35	29.20
26 51 16 00-0036		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*		
26 51 16 00-0037	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	238.74	34.01
26 51 16 00-0038	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	261.00	34.01
26 51 16 00-0039	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	272.93	34.01
26 51 16 00-0040	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	290.75	34.01
26 51 16 00-0041		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0027)*		
26 51 16 00-0042	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	471.23	43.80
26 51 16 00-0043	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	477.53	43.80
26 51 16 00-0044	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	449.48	43.80
26 51 16 00-0045		Recessed Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0046		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*		
26 51 16 00-0047		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0046)*		
26 51 16 00-0048	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	154.43	22.85
		For Drywall Or Plaster Ceilings, Add	*15.44*	
26 51 16 00-0049		1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0046)*		
26 51 16 00-0050	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	198.45	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0051	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	356.73	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0052		2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0046)*		
26 51 16 00-0053	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	203.01	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0054	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	231.09	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0055	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	234.38	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0056	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	252.60	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0057		2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0046)*		
26 51 16 00-0058	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	197.47	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0059	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	269.53	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0060	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	272.68	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0061	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	302.83	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0062	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	264.96	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0063	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	358.06	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0064	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	367.19	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0065		Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*		
26 51 16 00-0066		1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0065)*		
26 51 16 00-0067	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	177.65	22.85
		For Drywall Or Plaster Ceilings, Add	*15.44*	
26 51 16 00-0068	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	180.94	22.85
		For Drywall Or Plaster Ceilings, Add	*15.44*	
26 51 16 00-0069	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	210.72	22.85
		For Drywall Or Plaster Ceilings, Add	*15.44*	
26 51 16 00-0070		1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0065)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0071	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	201.35	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0072	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	204.50	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0073	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	229.42	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0074		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0065)*		
26 51 16 00-0075	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	208.77	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0076	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	212.06	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0077	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	241.40	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0078		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0065)*		
26 51 16 00-0079	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	197.47	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0080	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	228.55	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0081	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	258.10	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0082	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	290.90	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0083		**Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0045)*		
26 51 16 00-0084		**1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0083)*		
26 51 16 00-0085	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	367.56	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0086	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	370.71	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0087	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	436.22	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0088	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	445.35	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0089		**2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0083)*		
26 51 16 00-0090	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	296.44	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0091	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	329.85	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0092	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	403.81	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0093		**2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0083)*		
26 51 16 00-0094	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	331.31	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0095	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	406.01	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0096	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	432.19	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	475.58	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0098		**Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0045)*		
26 51 16 00-0099		**1' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0098)*		
26 51 16 00-0100	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	289.32	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0101	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	379.36	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0102		**2' x 2', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0098)*		
26 51 16 00-0103	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	289.38	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0104	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	329.63	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0105		**2' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0098)*		
26 51 16 00-0106	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	321.55	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0107	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	322.22	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0108		**Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0045)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0109			1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0108)*		
	26 51 16 00-0110	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	270.69	26.50
			For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0111			2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0108)*		
	26 51 16 00-0112	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	261.93	29.20
			For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0113			2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0108)*		
	26 51 16 00-0114	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	314.28	34.01
			For Drywall Or Plaster Ceilings, Add	*23.00*	
	26 51 16 00-0115	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	356.91	34.01
			For Drywall Or Plaster Ceilings, Add	*23.00*	
	26 51 16 00-0116	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	358.90	34.01
			For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0117			Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0045)*		
26 51 16 00-0118			1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0117)*		
	26 51 16 00-0119	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	258.46	26.50
			For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 16 00-0120			2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0117)*		
	26 51 16 00-0121	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	261.63	29.20
			For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0122			2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0117)*		
	26 51 16 00-0123	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	321.14	34.01
			For Drywall Or Plaster Ceilings, Add	*23.00*	
	26 51 16 00-0124	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	326.68	34.01
			For Drywall Or Plaster Ceilings, Add	*23.00*	
	26 51 16 00-0125	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	334.89	34.01
			For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 16 00-0126			Striplight Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0127			1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0126)*		
	26 51 16 00-0128	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	116.38	21.90
	26 51 16 00-0129	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	140.43	21.90
	26 51 16 00-0130	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	139.40	24.30
	26 51 16 00-0131	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	142.29	26.71
	26 51 16 00-0132	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	172.85	31.64
26 51 16 00-0133			2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0126)*		
	26 51 16 00-0134	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	142.06	24.30
	26 51 16 00-0135	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	146.96	26.71
	26 51 16 00-0136	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	149.09	29.20
26 51 16 00-0137			3 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0126)*		
	26 51 16 00-0138	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	202.32	24.30
	26 51 16 00-0139	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	197.24	26.71
	26 51 16 00-0140	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	198.63	29.20
26 51 16 00-0141			Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0142			1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0141)*		
	26 51 16 00-0143	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	162.95	21.90
	26 51 16 00-0144	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	172.70	26.71
	26 51 16 00-0145	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	308.78	34.01
26 51 16 00-0146			2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0141)*		
	26 51 16 00-0147	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	169.89	24.30
	26 51 16 00-0148	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	179.51	29.20
	26 51 16 00-0149	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	315.08	34.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0150		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0141)*		
26 51 16 00-0151	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	177.14	24.30
26 51 16 00-0152	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	185.65	29.20
26 51 16 00-0153	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	276.33	34.01
26 51 16 00-0154		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0141)*		
26 51 16 00-0155	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	249.62	29.20
26 51 16 00-0156	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	362.13	34.01
26 51 16 00-0157		**Undercabinet Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0158	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	87.97	19.70
26 51 16 00-0159	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	102.91	24.08
26 51 16 00-0160	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	101.40	24.08
26 51 16 00-0161	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	121.34	26.28
26 51 16 00-0162	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	141.11	30.65
26 51 16 00-0163		**Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0001)* Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0164		**2' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0163)*		
26 51 16 00-0165	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	151.53	21.90
26 51 16 00-0166	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	168.68	21.90
26 51 16 00-0167		**3' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0163)*		
26 51 16 00-0168	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	172.68	22.99
26 51 16 00-0169	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	189.06	22.99
26 51 16 00-0170		**4' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0163)*		
26 51 16 00-0171	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	169.70	24.08
26 51 16 00-0172	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	185.96	24.08
26 51 16 00-0173		**Wall Bracket, Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0174		**Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0173)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0175		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0174)*		
26 51 16 00-0176	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	272.24	36.79
26 51 16 00-0177	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	275.03	36.79
26 51 16 00-0178		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0174)*		
26 51 16 00-0179	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	384.53	36.79
26 51 16 00-0180	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	388.44	36.79
26 51 16 00-0181		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0174)*		
26 51 16 00-0182	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	404.04	36.79
26 51 16 00-0183	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	406.83	36.79
26 51 16 00-0184		**Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0173)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0185		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0184)*		
26 51 16 00-0186	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	391.47	36.79
26 51 16 00-0187	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	394.27	36.79
26 51 16 00-0188		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0184)*		
26 51 16 00-0189	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	307.42	36.79
26 51 16 00-0190	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	311.33	36.79
26 51 16 00-0191		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0184)*		
26 51 16 00-0192	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	355.05	36.79
26 51 16 00-0193	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	357.85	36.79
26 51 16 00-0194		**Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0173)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0195		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0194)*		
26 51 16 00-0196	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	255.86	36.79
26 51 16 00-0197	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	258.66	36.79
26 51 16 00-0198		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0194)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0199	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	256.97	36.79
26 51 16 00-0200	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	260.88	36.79
26 51 16 00-0201		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0194)*		
26 51 16 00-0202	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	243.31	36.79
26 51 16 00-0203	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	246.11	36.79
26 51 16 00-0204		**Low Occupancy, Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0205	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	381.29	26.71
26 51 16 00-0206	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	384.94	29.20
26 51 16 00-0207		**Accessories And Modifiers For Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0208		**Lens Modifications** *(26 51 16 00-0207)*		
26 51 16 00-0209	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	21.60	
26 51 16 00-0210	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	26.69	
26 51 16 00-0211	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	27.96	
26 51 16 00-0212	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	30.50	
26 51 16 00-0213	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	36.85	
26 51 16 00-0214	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	8.90	
26 51 16 00-0215	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	12.71	
26 51 16 00-0216	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	13.98	
26 51 16 00-0217	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	16.52	
26 51 16 00-0218		**Pendant Mounting Modifications** *(26 51 16 00-0207)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 16 00-0219	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	9.66	
26 51 16 00-0220	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	11.18	
26 51 16 00-0221	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	14.31	
26 51 16 00-0222	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	16.90	
26 51 16 00-0223	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	21.35	
26 51 16 00-0224	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	28.97	
26 51 16 00-0225		**Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0001)* Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0226		**6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0227	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	147.07	22.85
26 51 16 00-0228	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	174.67	22.85
26 51 16 00-0229		**6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0230	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	158.25	23.79
26 51 16 00-0231	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	187.90	23.79
26 51 16 00-0232		**8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0233	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	210.03	36.79
26 51 16 00-0234	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	219.81	36.79
26 51 16 00-0235		**8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0236	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	239.38	36.79
26 51 16 00-0237	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	247.77	36.79
26 51 16 00-0238	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	258.95	36.79
26 51 16 00-0239		**1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0240	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	179.18	25.26
26 51 16 00-0241	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	212.36	25.26
26 51 16 00-0242	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	228.08	25.26
26 51 16 00-0243		**1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0244	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	191.89	26.71
26 51 16 00-0245	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	227.36	26.71
26 51 16 00-0246	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	243.90	26.71

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0247		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0248		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0247)*		
26 51 16 00-0249		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0248)*		
26 51 16 00-0250	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	97.38	31.99
26 51 16 00-0251	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	114.27	31.99
26 51 16 00-0252		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0247)*		
26 51 16 00-0253		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0252)*		
26 51 16 00-0254	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	83.85	31.99
26 51 16 00-0255	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	91.47	31.99
26 51 16 00-0256		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0252)*		
26 51 16 00-0257	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	119.77	31.99
26 51 16 00-0258	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	166.28	31.99
26 51 16 00-0259	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	198.51	31.99
26 51 16 00-0260	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	134.84	31.99
26 51 16 00-0261	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	167.24	31.99
26 51 16 00-0262	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	198.51	31.99
26 51 16 00-0263		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0247)*		
26 51 16 00-0264		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0263)*		
26 51 16 00-0265	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	122.70	31.99
26 51 16 00-0266	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	155.22	31.99
26 51 16 00-0267	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	184.17	31.99
26 51 16 00-0268	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	99.51	31.99
26 51 16 00-0269	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	117.26	31.99
26 51 16 00-0270	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	150.87	31.99
26 51 16 00-0271		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0247)*		
26 51 16 00-0272		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0271)*		
26 51 16 00-0273	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	183.98	26.28
26 51 16 00-0274		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0271)*		
26 51 16 00-0275	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	209.70	26.28
26 51 16 00-0276	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	292.68	26.28
26 51 16 00-0277		Fluorescent, Recessed Fixture Housings *(26 51 16)*		
26 51 16 00-0278	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	83.52	22.87
		For Remodel T Housing, Add	*1.23*	
		For ICAT Housing, Add	*6.34*	
26 51 16 00-0279	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	86.20	22.87
		For Remodel T Housing, Add	*1.30*	
		For ICAT Housing, Add	*6.68*	
26 51 16 00-0280	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	89.83	23.92
		For Remodel T Housing, Add	*1.35*	
		For ICAT Housing, Add	*6.95*	
26 51 16 00-0281	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	94.37	24.79
		For Remodel T Housing, Add	*1.42*	
		For ICAT Housing, Add	*7.32*	
26 51 16 00-0282	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	98.37	26.07
		For Remodel T Housing, Add	*1.48*	
		For ICAT Housing, Add	*7.63*	
26 51 16 00-0283	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	101.98	27.67
		For Remodel T Housing, Add	*1.51*	
		For ICAT Housing, Add	*7.79*	
26 51 16 00-0284		Compact Fluorescent, Recessed Fixture Housings *(26 51 16)*		
26 51 16 00-0285	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	95.03	22.87
		For Remodel T Housing, Add	*1.52*	
		For ICAT Housing, Add	*7.82*	
26 51 16 00-0286	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	97.67	22.87
		For Remodel T Housing, Add	*1.58*	
		For ICAT Housing, Add	*8.16*	
26 51 16 00-0287	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	101.39	24.00
		For Remodel T Housing, Add	*1.64*	
		For ICAT Housing, Add	*8.44*	
26 51 16 00-0288	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	104.41	25.03
		For Remodel T Housing, Add	*1.67*	
		For ICAT Housing, Add	*8.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0289	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	107.87	26.07
		For Remodel T Housing, Add	*1.72*	
		For ICAT Housing, Add	*8.86*	
26 51 16 00-0290	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	111.28	27.67
		For Remodel T Housing, Add	*1.74*	
		For ICAT Housing, Add	*8.99*	
26 51 16 00-0291		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0292	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	307.48	13.35
26 51 16 00-0293	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	316.10	13.35
26 51 16 00-0294	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	278.81	13.35
26 51 16 00-0295	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	358.18	13.35
26 51 16 00-0296		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0297	EA	Compact Fluorescent Track Lighting Fixture	60.61	13.35
26 51 16 00-0298		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0299	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	151.89	31.99
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0300	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	157.43	31.99
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0301	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	171.15	31.99
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0302		**Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0303		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0302)*		
26 51 16 00-0304		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 16 00-0303)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0305	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	187.54	34.01
		For T5 Fixture Instead Of T8, Add	*15.62*	
26 51 16 00-0306	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	195.97	34.01
		For T5 Fixture Instead Of T8, Add	*16.59*	
26 51 16 00-0307	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	304.98	34.01
		For T5 Fixture Instead Of T8, Add	*29.07*	
26 51 16 00-0308	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	264.73	34.01
26 51 16 00-0309	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	423.91	34.01
26 51 16 00-0310		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)** *(26 51 16 00-0303)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0311	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	216.02	34.01
26 51 16 00-0312	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	218.23	34.01
26 51 16 00-0313	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	316.05	34.01
26 51 16 00-0314	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	263.16	34.01
26 51 16 00-0315	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	274.91	34.01
26 51 16 00-0316		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0302)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0317		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)** *(26 51 16 00-0316)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0318	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	351.96	46.20
		For T5 Fixture Instead Of T8, Add	*32.36*	
26 51 16 00-0319	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	365.04	46.20
		For T5 Fixture Instead Of T8, Add	*33.86*	
26 51 16 00-0320		**High Bay Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0321		**(T8) Fluorescent, High Bay Fixtures** *(26 51 16 00-0320)*		
26 51 16 00-0322		**(T8) Fluorescent, High Bay Fixtures (Lithonia)** *(26 51 16 00-0321)* Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0323	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	304.85	74.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0324	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	319.28	82.48
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0325	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	361.55	94.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0326	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	431.07	99.19
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0327	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	467.54	103.80
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0328	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	423.20	94.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0329	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	436.80	99.19
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0330	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	517.33	103.80
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 16 00-0331 (T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0320)*

26 51 16 00-0332 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0331)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 16 00-0333	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	310.72	74.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0334	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	326.50	82.48
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0335	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	372.28	94.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0336	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	450.09	99.19
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0337	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	465.56	94.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0338	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	518.96	99.19
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0339	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	630.99	103.80
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 16 00-0340 Fluorescent Linear High Bay (Lightron) *(26 51 16 00-0320)*

Note: Includes steel housing with powder coated finish, aluminum reflector and solid-state electronic ballast.

26 51 16 00-0341	EA	4' Length, 2 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	243.03	36.79
26 51 16 00-0342	EA	4' Length, 3 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	290.29	36.79
26 51 16 00-0343	EA	4' Length, 4 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	326.93	36.79
26 51 16 00-0344	EA	4' Length, 6 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	387.33	36.79
26 51 16 00-0345	EA	4' Length, 8 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	534.97	36.79

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	141.29	19.70
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	180.83	24.08
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	204.99	24.08
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	97.85	19.71

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0008 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0009	EA	2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1)	298.81	21.90
26 51 19 00-0010	EA	4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1)	306.11	26.71
26 51 19 00-0011	EA	2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	295.79	21.90
26 51 19 00-0012	EA	4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	303.09	26.71
26 51 19 00-0013	EA	4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	395.95	26.71

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26 51 19 00-0014		**Striplight LED Fixtures (Mobern)** *(26 51 19 00-0007)*		
26 51 19 00-0015	EA	2' Length, 12 Watt, 1,100 Lumens, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	130.67	21.90
26 51 19 00-0016		**Striplight LED Fixtures (Eaton)** *(26 51 19 00-0007)*		
26 51 19 00-0017	EA	4' Length, 18 Watt, 2,301 Lumens, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	165.99	26.71
26 51 19 00-0018	EA	4' Length, 16 Watt, 2,382 Lumens, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	156.81	26.71
26 51 19 00-0019	EA	4' Length, 16 Watt, 2,382 Lumens, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	165.99	26.71
26 51 19 00-0020		**Lay-In/Troffer LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0021		**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0020)*		
26 51 19 00-0022		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0021)*		
26 51 19 00-0023	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	356.95	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0024	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	417.33	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 19 00-0025	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	350.36	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0026		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 19 00-0021)*		
26 51 19 00-0027	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	507.40	34.01
26 51 19 00-0028	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	350.71	29.20
26 51 19 00-0029	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	456.30	34.01
26 51 19 00-0030		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)** *(26 51 19 00-0021)*		
26 51 19 00-0031	EA	2' x 2', 2,591 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	232.67	29.20
26 51 19 00-0032	EA	2' x 2', 3,883 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	257.04	29.20
26 51 19 00-0033	EA	2' x 2', 3,700 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	219.27	29.20
26 51 19 00-0034	EA	2' x 2', 4,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	219.27	29.20
26 51 19 00-0035	EA	2' x 2', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	235.11	29.20
26 51 19 00-0036		**Volumetric, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0020)*		
26 51 19 00-0037		**Volumetric, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0036)*		
26 51 19 00-0038	EA	1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	451.87	26.50
		For Drywall Or Plaster Ceilings, Add	*18.07*	
26 51 19 00-0039	EA	2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	390.42	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 19 00-0040	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	398.73	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 19 00-0041	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	406.03	34.01
26 51 19 00-0042	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	434.42	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0043	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	462.82	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0044	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	301.51	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0045		**Architectural, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0020)*		
26 51 19 00-0046		**Architectural, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0045)*		
		Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0047	EA	1' x 4', 2,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	472.77	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0048	EA	1' x 4', 4,300 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	567.53	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0049	EA	1' x 4', 6,400 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	652.82	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0050		**Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)** *(26 51 19 00-0045)*		
		Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0051	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	377.62	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*108.72*	
		For Surface Mount, Add	*213.39*	
26 51 19 00-0052	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	409.46	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*108.72*	
		For Surface Mount, Add	*213.39*	
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	409.46	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*108.72*	
		For Surface Mount, Add	*213.39*	

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26 51 19 00-0054	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	456.47	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*108.72*	
		For Surface Mount, Add	*213.39*	
26 51 19 00-0055	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	352.31	29.20
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*95.35*	
		For Surface Mount, Add	*201.32*	
26 51 19 00-0056	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	330.90	29.20
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*95.35*	
		For Surface Mount, Add	*201.32*	
26 51 19 00-0057	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	395.29	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*111.75*	
		For Surface Mount, Add	*233.10*	
26 51 19 00-0058	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	409.46	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*111.75*	
		For Surface Mount, Add	*233.10*	
26 51 19 00-0059	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	409.46	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*111.75*	
		For Surface Mount, Add	*233.10*	
26 51 19 00-0060	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	529.24	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*111.75*	
		For Surface Mount, Add	*233.10*	
26 51 19 00-0061	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	456.47	34.01
		For Expanded Size Junction Box For Through Wiring, Add	*4.25*	
		For Drywall Or Plaster Ceilings, Add	*111.75*	
		For Surface Mount, Add	*233.10*	
26 51 19 00-0062		**Architectural, Lay-In/Troffer LED Fixtures (Metalux®)** *(26 51 19 00-0045)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0063	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	347.40	29.20
26 51 19 00-0064	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	469.27	34.01
26 51 19 00-0065		**Architectural, Lay-In/Troffer LED Fixtures (Finelite)** *(26 51 19 00-0045)* Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0066	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	233.20	29.20
26 51 19 00-0067	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	315.35	34.30
26 51 19 00-0068		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0020)*		
26 51 19 00-0069		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 19 00-0068)*		
26 51 19 00-0070	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	367.32	29.20
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 19 00-0071	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	500.29	34.01
		For Drywall Or Plaster Ceilings, Add	*23.00*	
26 51 19 00-0072		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0020)*		
26 51 19 00-0073		**Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)** *(26 51 19 00-0072)*		
26 51 19 00-0074	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	252.89	34.01
26 51 19 00-0075	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	262.56	34.01
26 51 19 00-0076	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	326.60	34.01
26 51 19 00-0077	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	326.60	34.01
26 51 19 00-0078		**Panel Type, Lay-In/Troffer LED Fixtures (Sylvania)** *(26 51 19 00-0072)*		
26 51 19 00-0079	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	136.12	34.01
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*31.76*	
26 51 19 00-0080	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	140.26	34.01
26 51 19 00-0081	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	142.15	34.01
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*39.70*	
26 51 19 00-0082	EA	2' x 4', 32 Watt, 3,300 Lumens, 3500K, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	321.06	34.01
26 51 19 00-0083		**Surface Mount LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0084		**Surface Mount, Volumetric LED Fixtures (Lithonia STL)** *(26 51 19 00-0083)*		
26 51 19 00-0085	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	426.09	21.90
26 51 19 00-0086	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	299.79	26.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0087	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	423.42	26.71
26 51 19 00-0088		**Surface Mount, Wraparound LED Fixtures (Lithonia LBL)** *(26 51 19 00-0083)*		
26 51 19 00-0089	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	160.67	21.90
26 51 19 00-0090	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	210.65	26.71
26 51 19 00-0091		**Surface Mount, Shadow Box Style LED Fixtures** *(26 51 19 00-0083)*		
26 51 19 00-0092		**Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX)** *(26 51 19 00-0091)*		
26 51 19 00-0093	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	470.03	29.20
26 51 19 00-0094	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	603.00	34.01
26 51 19 00-0095		**Surface Mount, Low Profile Fixtures** *(26 51 19 00-0083)*		
26 51 19 00-0096	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	66.30	20.03
26 51 19 00-0097	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	54.90	20.03
26 51 19 00-0098	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	90.22	20.03
26 51 19 00-0099	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	108.45	20.03
26 51 19 00-0100		**Recessed LED Downlights** *(26 51 19 00-0001)*		
26 51 19 00-0101		**Recessed LED Downlights** *(26 51 19 00-0100)*		
26 51 19 00-0102		**Recessed LED Downlights (Lithonia)** *(26 51 19 00-0101)*		
		Note: Includes housing and trim.		
26 51 19 00-0103	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	470.66	35.19
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*109.51*	
26 51 19 00-0104	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	518.04	35.19
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*109.51*	
26 51 19 00-0105		**Recessed LED Downlights (Portfolio®)** *(26 51 19 00-0101)*		
		Note: Includes housing and trim.		
26 51 19 00-0106	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	269.13	35.19
26 51 19 00-0107		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 19 00-0101)*		
		Note: Includes housing and trim.		
26 51 19 00-0108	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	410.71	35.19
26 51 19 00-0109	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	427.23	35.19
26 51 19 00-0110	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	494.99	35.19
26 51 19 00-0111	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	501.61	35.19
26 51 19 00-0112	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	559.45	35.19
26 51 19 00-0113		**Recessed LED Downlights (Lightolier)** *(26 51 19 00-0101)*		
		Note: Includes housing and trim.		
26 51 19 00-0114	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	353.69	35.19
26 51 19 00-0115	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	414.02	35.19
26 51 19 00-0116	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	444.12	35.19
26 51 19 00-0117	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	444.12	35.19
26 51 19 00-0118	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	459.24	35.19
26 51 19 00-0119	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	474.37	35.19
26 51 19 00-0120		**Recessed LED Downlights (Cooper)** *(26 51 19 00-0101)*		
26 51 19 00-0121	EA	2700K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606827)	120.49	35.19
26 51 19 00-0122	EA	3000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606830)	120.49	35.19
26 51 19 00-0123	EA	3500K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606835)	120.49	35.19
26 51 19 00-0124	EA	4000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606840)	120.49	35.19
26 51 19 00-0125	EA	2700K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609827)	123.01	35.19
26 51 19 00-0126	EA	3000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609830)	123.01	35.19
26 51 19 00-0127	EA	3500K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609835)	123.01	35.19
26 51 19 00-0128	EA	4000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609840)	123.01	35.19
26 51 19 00-0129	EA	2700K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612827)	157.20	35.19
26 51 19 00-0130	EA	3000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612830)	155.46	35.19
26 51 19 00-0131	EA	3500K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612835)	155.46	35.19
26 51 19 00-0132	EA	4000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612840)	155.46	35.19
26 51 19 00-0133	EA	5" LED Trim, Polymer “Dead-Front”, Shallow White Baffle And Flange (Cooper Halo 591WB)	77.63	11.20
26 51 19 00-0134	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	46.34	11.20
26 51 19 00-0135	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	59.81	11.20
26 51 19 00-0136	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	49.05	11.20
26 51 19 00-0137	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	38.05	11.20
26 51 19 00-0138	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	48.57	11.20
26 51 19 00-0139	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	54.98	11.20
26 51 19 00-0140	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	60.68	11.20
26 51 19 00-0141	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	71.83	11.20
26 51 19 00-0142	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	72.19	11.20
26 51 19 00-0143	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	70.59	11.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0144	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	88.88	11.20
26 51 19 00-0145	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	38.44	11.20
26 51 19 00-0146	EA	6" LED Trim, Polymer “Dead-Front”, White Shallow Baffle And Flange (Cooper Halo 691WB)	74.96	11.20
26 51 19 00-0147	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	62.64	11.20
26 51 19 00-0148	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	58.32	11.20
26 51 19 00-0149	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	51.20	11.20
26 51 19 00-0150	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	51.72	11.20
26 51 19 00-0151	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	56.28	11.20
26 51 19 00-0152	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	50.92	11.20
26 51 19 00-0153	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	65.50	11.20
26 51 19 00-0154	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	71.64	11.20
26 51 19 00-0155	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	92.09	11.20
26 51 19 00-0156	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	89.52	11.20
26 51 19 00-0157	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	90.65	11.20
26 51 19 00-0158	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	52.33	11.20
26 51 19 00-0159	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	41.49	24.00
26 51 19 00-0160	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	46.49	24.00
26 51 19 00-0161	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	44.49	24.00
26 51 19 00-0162	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	64.21	24.00
26 51 19 00-0163	EA	6” LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	61.90	24.00
26 51 19 00-0164	EA	6” Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	47.17	24.00
26 51 19 00-0165	EA	6” Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	50.54	24.00
26 51 19 00-0166	EA	6” Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	46.47	24.00
26 51 19 00-0167	EA	6” Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	50.16	24.00
26 51 19 00-0168	EA	6” Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	47.08	24.00
26 51 19 00-0169	EA	6” Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	46.74	24.00
26 51 19 00-0170	EA	6” Non-IC, New Construction Housing (Cooper Halo H7T)	49.40	24.00
26 51 19 00-0171	EA	6” Non-IC, Remodel Housing (Cooper Halo H7RT)	50.85	24.00
26 51 19 00-0172	EA	6” Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	51.30	24.00
26 51 19 00-0173	EA	6” Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	73.65	24.00
26 51 19 00-0174	EA	6” Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	68.04	24.00
26 51 19 00-0175	EA	6” Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	68.69	24.00
26 51 19 00-0176	EA	6” Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	72.44	24.00
26 51 19 00-0177	EA	6” Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	72.44	24.00
26 51 19 00-0178	EA	6” Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	72.44	24.00
26 51 19 00-0179	EA	6” Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	72.44	24.00
26 51 19 00-0180	EA	6” Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	72.44	24.00
26 51 19 00-0181	EA	6” Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	62.63	24.00
26 51 19 00-0182	EA	6” Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	62.63	24.00
26 51 19 00-0183	EA	6” Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	62.63	24.00
26 51 19 00-0184	EA	6” Non-IC, New Construction Housing (Cooper Halo ET700)	62.63	24.00
26 51 19 00-0185	EA	6” Non-IC, Remodel Housing (Cooper Halo ET700R)	62.63	24.00
26 51 19 00-0186	EA	6” Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	63.35	24.00
26 51 19 00-0187	EA	6” Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	74.37	24.00
26 51 19 00-0188	EA	6” Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	63.35	24.00
26 51 19 00-0189	EA	6” Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	71.25	24.00
26 51 19 00-0190	EA	6” Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	58.88	24.00
26 51 19 00-0191	EA	6” Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	59.97	24.00
26 51 19 00-0192	EA	6” Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	67.67	24.00
26 51 19 00-0193	EA	6” Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	67.67	24.00
26 51 19 00-0194	EA	6” Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	67.67	24.00
26 51 19 00-0195	EA	6” Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	67.67	24.00
26 51 19 00-0196	EA	6” Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	67.67	24.00
26 51 19 00-0197	EA	6” Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	60.46	11.20
26 51 19 00-0198	EA	6” Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	62.70	11.20
26 51 19 00-0199	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	54.01	24.00
26 51 19 00-0200	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	54.28	24.00
26 51 19 00-0201	EA	5” Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	49.64	24.00
26 51 19 00-0202	EA	5” Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	51.92	24.00
26 51 19 00-0203	EA	5” Non-IC, New Construction Housing (Cooper Halo H5T)	51.17	24.00
26 51 19 00-0204	EA	5” Non-IC, Remodel Housing (Cooper Halo H5RT)	51.86	24.00
26 51 19 00-0205	EA	5” Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	61.66	24.00
26 51 19 00-0206	EA	5” Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	62.19	24.00
26 51 19 00-0207	EA	5” Non-IC, New Construction Housing (Cooper Halo ET500)	64.82	24.00
26 51 19 00-0208	EA	5” Non-IC, Remodel Housing (Cooper Halo ET500R)	66.66	24.00
26 51 19 00-0209	EA	5” Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	74.77	24.00
26 51 19 00-0210		**Recessed LED Downlights (Maxlite)** *(26 51 19 00-0101)*		
26 51 19 00-0211	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR410)	107.72	35.19
26 51 19 00-0212	EA	1,500 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR415)	109.12	35.19
26 51 19 00-0213	EA	2,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR420)	113.35	35.19
26 51 19 00-0214	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR615)	104.89	35.19
26 51 19 00-0215	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR620)	104.89	35.19
26 51 19 00-0216	EA	3,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR630)	104.89	35.19
26 51 19 00-0217	EA	1,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR810)	113.35	35.19
26 51 19 00-0218	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR815)	114.76	35.19
26 51 19 00-0219	EA	2,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR820)	117.57	35.19
26 51 19 00-0220	EA	3,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR830)	126.02	35.19
26 51 19 00-0221	EA	5,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR850)	137.29	35.19
26 51 19 00-0222		**Recessed LED Downlight Retrofits And Trim (CREE®)** *(26 51 19 00-0100)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0223		**Recessed LED Downlight Retrofits (CREE®)** *(26 51 19 00-0222)* Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0224	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	70.00	
26 51 19 00-0225	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	59.30	
26 51 19 00-0226	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	80.70	
26 51 19 00-0227	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	93.18	
26 51 19 00-0228	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	103.89	
26 51 19 00-0229		**Recessed LED Downlight Retrofits Trim (CREE®)** *(26 51 19 00-0222)* Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0230	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	29.83	5.60
26 51 19 00-0231	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	36.97	5.60
26 51 19 00-0232	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	31.62	5.60
26 51 19 00-0233		**Recessed LED Downlight Fixture Housings (CREE®)** *(26 51 19 00-0222)* Note: Excludes lamp and trim.		
26 51 19 00-0234	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	78.81	24.00
26 51 19 00-0235	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	53.82	24.00
26 51 19 00-0236		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0100)*		
26 51 19 00-0237	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	104.10	21.90
26 51 19 00-0238	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative 01-811-D)	76.41	21.90
26 51 19 00-0239	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative 01-808-D)	76.41	21.90
26 51 19 00-0240	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	83.03	21.90
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*30.76*	
26 51 19 00-0241	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	43.42	21.90
26 51 19 00-0242	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	47.67	21.90
26 51 19 00-0243	EA	6" Diameter, 10 Watt, 800 Lumens, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	530.87	21.90
26 51 19 00-0244		**Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)*		
26 51 19 00-0245	EA	2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	577.60	34.01
26 51 19 00-0246		**Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0247		**LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0246)*		
26 51 19 00-0248	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	308.13	31.99
26 51 19 00-0249		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0246)*		
26 51 19 00-0250	EA	6" High x 11.75" Wide x 3.5" Deep, 15 Watt, 900 Lumens, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	173.94	31.99
26 51 19 00-0251		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0246)*		
26 51 19 00-0252	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt LED, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	97.93	31.99
26 51 19 00-0253	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	91.69	31.99
26 51 19 00-0254		**Concealed Continuous LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0255		**Concealed Continuous LED Fixtures (Fraqtir™ S301)** *(26 51 19 00-0254)*		
26 51 19 00-0256	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	412.58	3.65
26 51 19 00-0257	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	470.28	3.65
26 51 19 00-0258		**Low Bay LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0259		**LED Linear Low Bay Fixtures (PlanLED)** *(26 51 19 00-0258)*		
26 51 19 00-0260	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	219.21	43.80
26 51 19 00-0261	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	294.76	43.80
26 51 19 00-0262	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	487.26	54.75
26 51 19 00-0263		**LED Linear Low Bay Fixtures (CREE® CS)** *(26 51 19 00-0258)* Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0264	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	561.66	43.80
26 51 19 00-0265	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	699.41	54.75
26 51 19 00-0266	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	897.41	54.75
26 51 19 00-0267		**LED Linear Low Bay Fixtures (Lithonia MSL)** *(26 51 19 00-0258)* Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0268	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	568.79	43.80

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
26 51 19 00-0269		High Bay LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0270		LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0269)*		
		Note: Includes aluminum alloy chassis.		
26 51 19 00-0271	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	696.92	80.29
26 51 19 00-0272	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	772.73	80.29
26 51 19 00-0273	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	977.42	80.29
26 51 19 00-0274	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	1,059.29	80.29
26 51 19 00-0275		LED High Bay Fixtures (PlanLED) *(26 51 19 00-0269)*		
26 51 19 00-0276		LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0275)*		
		Note: Includes aluminum alloy chassis.		
26 51 19 00-0277	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	560.26	80.29
26 51 19 00-0278	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	628.49	80.29
26 51 19 00-0279	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	727.19	80.29
26 51 19 00-0280	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	823.46	80.29
26 51 19 00-0281		LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0275)*		
		Note: Includes aluminum alloy chassis.		
26 51 19 00-0282	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	609.00	80.29
		For 480 Volt, Add	*33.71*	
26 51 19 00-0283	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	846.61	80.29
		For 480 Volt, Add	*42.60*	
26 51 19 00-0284	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,500.96	80.29
		For 480 Volt, Add	*67.34*	
26 51 19 00-0285		LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0275)*		
		Note: Includes aluminum alloy chassis.		
26 51 19 00-0286	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	481.05	80.29
		For 0 To 10 Volt Dimming, Add	*52.20*	
26 51 19 00-0287	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	513.95	80.29
		For 0 To 10 Volt Dimming, Add	*52.20*	
26 51 19 00-0288	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	627.28	80.29
		For 0 To 10 Volt Dimming, Add	*52.20*	
26 51 19 00-0289	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	708.92	80.29
		For 0 To 10 Volt Dimming, Add	*52.20*	
26 51 19 00-0290	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,310.87	80.29
26 51 19 00-0291	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,418.10	80.29
26 51 19 00-0292	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	2,154.34	80.29
26 51 19 00-0293		Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0294		Wet Location, LED Fixtures *(26 51 19 00-0293)*		
26 51 19 00-0295		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0294)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0296	EA	29 Watt, 3,531 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	1,820.44	61.31
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	
26 51 19 00-0297	EA	43 Watt, 5,335 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	1,854.86	65.70
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	
26 51 19 00-0298	EA	62 Watt, 7,195 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	2,095.69	70.07
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0299	EA	85 Watt, 9,266 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	2,525.96	74.45
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	
26 51 19 00-0300	EA	113 Watt, 11,440 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	3,226.83	78.83
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	
26 51 19 00-0301	EA	131 Watt, 13,226 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	4,253.26	81.02
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	
26 51 19 00-0302	EA	168 Watt, 18,793 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	4,929.49	83.21
		For Ceiling Mount, Add	*16.05*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Stanchion Mount, Add	*109.50*	
		For Wall Mount, Add	*121.21*	
		For Polycarbonate Lens, Add	*94.07*	
		For Teflon Coated Lens, Add	*107.72*	
		For 480 Volt, Add	*153.88*	

26 51 19 00-0303 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0294)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0304	EA	45 Watt, 5,183 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	1,637.38	65.70
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	
26 51 19 00-0305	EA	62 Watt, 7,095 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	2,425.20	70.07
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	
26 51 19 00-0306	EA	79 Watt, 9,132 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	2,675.09	74.45
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	
26 51 19 00-0307	EA	99 Watt, 11,107 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	3,073.63	78.83
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	

26 51 19 00-0308 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0294)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0309	EA	25 Watt, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	1,130.34	61.31
		For 12/24 Volt DC Driver, Add	*24.84*	
		For Frosted Lens, Add	*50.75*	
		For 55 Degree Ambient Suitability (AC Only), Add	*33.81*	
		For Warm White Color Rendering, Add	*65.34*	
		For Ceiling Mount, Add	*77.16*	
		For Wall Mount, Add	*111.90*	
		For Teflon Coated Lens, Add	*107.72*	
		For Wall Mount With Junction Box, Add	*162.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0310		Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0311		Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0310)*		
26 51 19 00-0312	EA	7 Watt, 11" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	113.26	29.20
26 51 19 00-0313	EA	10 Watt, 11" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	120.16	29.20
26 51 19 00-0314	EA	14 Watt, 11" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	127.06	29.20
26 51 19 00-0315	EA	17 Watt, 11" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	133.95	29.20
26 51 19 00-0316	EA	7 Watt, 14" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	124.79	32.12
26 51 19 00-0317	EA	10 Watt, 14" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	131.69	32.12
26 51 19 00-0318	EA	14 Watt, 14" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	138.58	32.12
26 51 19 00-0319	EA	17 Watt, 14" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	145.48	32.12
26 51 19 00-0320	EA	24 Watt, 14" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	159.27	32.12
26 51 19 00-0321	EA	7 Watt, 11" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	113.26	29.20
26 51 19 00-0322	EA	10 Watt, 11" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	120.16	29.20
26 51 19 00-0323	EA	14 Watt, 11" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	127.06	29.20
26 51 19 00-0324	EA	17 Watt, 11" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	133.95	29.20
26 51 19 00-0325	EA	7 Watt, 14" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	124.79	32.12
26 51 19 00-0326	EA	10 Watt, 14" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	131.69	32.12
26 51 19 00-0327	EA	14 Watt, 14" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	138.58	32.12
26 51 19 00-0328	EA	17 Watt, 14" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	145.48	32.12
26 51 19 00-0329	EA	24 Watt, 14" Diameter, 3180 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	159.27	32.12
26 51 19 00-0330	EA	7 Watt, 11" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	113.26	29.20
26 51 19 00-0331	EA	10 Watt, 11" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	120.16	29.20
26 51 19 00-0332	EA	14 Watt, 11" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	127.06	29.20
26 51 19 00-0333	EA	17 Watt, 11" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	133.95	29.20
26 51 19 00-0334	EA	7 Watt, 14" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	124.79	32.12
26 51 19 00-0335	EA	10 Watt, 14" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	131.69	32.12
26 51 19 00-0336	EA	14 Watt, 14" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	138.58	32.12
26 51 19 00-0337	EA	17 Watt, 14" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	145.48	32.12
26 51 19 00-0338	EA	24 Watt, 14" Diameter, 3300 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	159.27	32.12
26 51 19 00-0339	EA	7 Watt, 11" Diameter, 560 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	113.26	29.20
26 51 19 00-0340	EA	10 Watt, 11" Diameter, 1120 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	120.16	29.20
26 51 19 00-0341	EA	14 Watt, 11" Diameter, 1680 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	127.06	29.20
26 51 19 00-0342	EA	17 Watt, 11" Diameter, 2240 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	133.95	29.20
26 51 19 00-0343	EA	7 Watt, 14" Diameter, 560 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	124.79	32.12
26 51 19 00-0344	EA	10 Watt, 14" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	131.69	32.12
26 51 19 00-0345	EA	14 Watt, 14" Diameter, 1680 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	138.58	32.12
26 51 19 00-0346	EA	17 Watt, 14" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	145.48	32.12
26 51 19 00-0347	EA	24 Watt, 14" Diameter, 3360 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	159.27	32.12
26 51 19 00-0348	EA	10 Watt, 19" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	162.32	34.67
26 51 19 00-0349	EA	17 Watt, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	178.00	34.67
26 51 19 00-0350	EA	17 Watt, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	174.17	34.67
26 51 19 00-0351	EA	18 Watt, 19" Diameter, 1910 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	174.11	34.67
26 51 19 00-0352	EA	24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.79	34.67
26 51 19 00-0353	EA	25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.08	34.67
26 51 19 00-0354	EA	31 Watt, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.97	34.67
26 51 19 00-0355	EA	32 Watt, 19" Diameter, 3820 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	202.20	34.67
26 51 19 00-0356	EA	32 Watt, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	202.26	34.67
26 51 19 00-0357	EA	10 Watt, 19" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	162.32	34.67
26 51 19 00-0358	EA	17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	178.00	34.67
26 51 19 00-0359	EA	17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	174.17	34.67
26 51 19 00-0360	EA	18 Watt, 19" Diameter, 1910 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	174.11	34.67
26 51 19 00-0361	EA	24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.79	34.67
26 51 19 00-0362	EA	25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.08	34.67
26 51 19 00-0363	EA	31 Watt, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.97	34.67
26 51 19 00-0364	EA	32 Watt, 19" Diameter, 3820 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	202.20	34.67
26 51 19 00-0365	EA	32 Watt, 19" Diameter, 4240 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	202.26	34.67
26 51 19 00-0366	EA	10 Watt, 19" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	162.32	34.67
26 51 19 00-0367	EA	17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	178.00	34.67
26 51 19 00-0368	EA	17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	174.17	34.67
26 51 19 00-0369	EA	18 Watt, 19" Diameter, 2000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	174.11	34.67
26 51 19 00-0370	EA	24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.79	34.67
26 51 19 00-0371	EA	25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.08	34.67
26 51 19 00-0372	EA	31 Watt, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.97	34.67
26 51 19 00-0373	EA	32 Watt, 19" Diameter, 4000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	202.20	34.67
26 51 19 00-0374	EA	32 Watt, 19" Diameter, 4400 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	202.26	34.67
26 51 19 00-0375	EA	10 Watt, 19" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	162.32	34.67
26 51 19 00-0376	EA	17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	178.00	34.67
26 51 19 00-0377	EA	17 Watt, 19" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	174.17	34.67
26 51 19 00-0378	EA	18 Watt, 19" Diameter, 2010 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	174.11	34.67
26 51 19 00-0379	EA	24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.79	34.67
26 51 19 00-0380	EA	25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.08	34.67
26 51 19 00-0381	EA	31 Watt, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.97	34.67
26 51 19 00-0382	EA	32 Watt, 19" Diameter, 4020 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	202.20	34.67
26 51 19 00-0383	EA	32 Watt, 19" Diameter, 4480 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	202.26	34.67
26 51 19 00-0384		Ceiling Mounted, LED Mushroom Fixtures (Mobern) *(26 51 19 00-0310)*		
26 51 19 00-0385	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	114.78	32.12
26 51 19 00-0386		Ceiling Mounted, LED Fixtures (Sylvania) *(26 51 19 00-0310)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0387	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	411.56	34.67
26 51 19 00-0388	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	161.29	29.20
26 51 19 00-0389	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	200.36	34.01
26 51 19 00-0390	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	202.64	34.01
26 51 19 00-0391		Refrigeration/Display LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0392		Refrigeration/Display LED Fixtures (Lithonia) *(26 51 19 00-0391)* Note: Fixtures exclude driver.		
26 51 19 00-0393	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	336.69	34.01
26 51 19 00-0394	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	416.25	60.22
26 51 19 00-0395	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	415.65	48.18
26 51 19 00-0396		Pendant Mount, LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0397		Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) *(26 51 19 00-0396)*		
26 51 19 00-0398	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	1,507.69	74.45
26 51 19 00-0399	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	2,271.44	78.83
26 51 19 00-0400	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	2,897.96	83.21
26 51 19 00-0401	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	3,661.71	87.59
26 51 19 00-0402	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	1,598.42	74.45
26 51 19 00-0403	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	2,391.65	78.83
26 51 19 00-0404	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	3,019.31	83.21
26 51 19 00-0405	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	3,797.80	87.59
26 51 19 00-0406		Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0396)*		
26 51 19 00-0407	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	586.74	43.80
26 51 19 00-0408		LED Track Lighting Fixtures *(26 51 19)*		
26 51 19 00-0409	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	275.37	13.35
26 51 19 00-0410	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	497.76	13.35
26 51 19 00-0411	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	283.82	13.35
26 51 23		**HID Interior Lighting** *(26 51)*		
26 51 23 00-0001		Large Interior Area Fixtures *(26 51 23)*		
26 51 23 00-0002		Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)* Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*		
26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	289.30	85.26
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	301.62	90.53
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	317.32	103.33
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0007		Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*		
26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	294.30	85.26
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	303.75	90.53
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	324.52	103.33
		For Polycarbonate Lens, Add	*47.79*	
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0011		**Low Bay Fixtures, Large Interior Area Fixtures** *(26 51 23 00-0001)* Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012		**High Pressure Sodium, Low Bay Fixtures** *(26 51 23 00-0011)*		
26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	300.31	77.81
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	308.73	82.63
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	327.61	94.30
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0016		**Metal Halide, Low Bay Fixtures** *(26 51 23 00-0011)*		
26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	297.21	77.81
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	305.18	82.63
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	330.10	94.30
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0020	EA	175 Watt Pulse Start Metal Halide Low Bay Fixture (Holophane Enduralume V) Note: Includes a glass refractor.	685.93	36.79
		For Acrylic Lens, Add	*70.00*	
26 51 23 00-0021		**High Bay Fixtures, Large Interior Area Fixtures** *(26 51 23 00-0001)* Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0022		**High Pressure Sodium, High Bay Fixtures** *(26 51 23 00-0021)* Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0023	EA	250 Watt High Pressure Sodium, High Bay Fixture	276.38	82.63
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	400 Watt High Pressure Sodium, High Bay Fixture	298.68	94.30
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0025	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	434.30	99.19
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0026		**Metal Halide, High Bay Fixtures** *(26 51 23 00-0021)* Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0027	EA	250 Watt Metal Halide, High Bay Fixture	257.64	82.63
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0028	EA	400 Watt Metal Halide, High Bay Fixture	282.42	94.30
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0029	EA	1,000 Watt Metal Halide, High Bay Fixture	369.47	99.19
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0030 Induction, High Bay Fixtures *(26 51 23 00-0021)*

26 51 23 00-0031 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0030)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0032	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	564.88	72.26
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	612.50	74.67
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	622.22	77.08
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	688.03	79.49
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	705.33	81.90
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	617.95	72.26
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	665.57	74.67
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	675.28	77.08
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	741.10	79.49
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	758.39	81.90
		For Impact Resistant Silicon Lens, Add	*20.00*	

26 51 23 00-0042 Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

26 51 23 00-0043 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0042)*

26 51 23 00-0044	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	234.64	55.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	397.21	55.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	455.88	55.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0047	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	608.31	55.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0048 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0042)*

26 51 23 00-0049	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	320.39	55.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	341.56	61.50
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	363.91	66.61
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0052	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	394.05	79.33
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0053 High Pressure Sodium, Recessed Fixture Housings *(26 51 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0054	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	98.83	23.03
		For Remodel T Housing, Add	*1.61*	
		For ICAT Housing, Add	*8.31*	
26 51 23 00-0055	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	103.13	23.03
		For Remodel T Housing, Add	*1.72*	
		For ICAT Housing, Add	*8.87*	
26 51 23 00-0056	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	108.32	24.00
		For Remodel T Housing, Add	*1.81*	
		For ICAT Housing, Add	*9.33*	
26 51 23 00-0057	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	112.26	25.03
		For Remodel T Housing, Add	*1.87*	
		For ICAT Housing, Add	*9.63*	
26 51 23 00-0058	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	116.17	26.07
		For Remodel T Housing, Add	*1.92*	
		For ICAT Housing, Add	*9.93*	
26 51 23 00-0059	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	119.72	27.67
		For Remodel T Housing, Add	*1.95*	
		For ICAT Housing, Add	*10.08*	

26 51 23 00-0060 Metal Halide Track Lighting Fixtures *(26 51 23)*

26 51 23 00-0061	EA	Metal Halide Track Lighting Fixture	64.11	13.35

26 51 23 00-0062 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

26 51 23 00-0063	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	200.14	31.99
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	207.92	31.99
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	223.73	31.99
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0066	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	247.50	31.99
		For Wall Mounted, Add	*6.30*	

26 51 23 00-0067 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

26 51 23 00-0068	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	181.62	31.99
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	191.28	31.99
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0070	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	228.65	31.99
		For Wall Mounted, Add	*6.67*	

26 51 33 Interior Lighting Accessories *(26 51)*

26 51 33 00-0001 Lighting Accessories *(26 51 33)*

26 51 33 00-0002 Modular Flexible Wiring Systems *(26 51 33 00-0001)*

26 51 33 00-0003	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	60.97	4.32
26 51 33 00-0004	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	71.51	4.32
26 51 33 00-0005	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	86.28	4.32
26 51 33 00-0006	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	71.51	4.32
26 51 33 00-0007	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	60.94	4.32
26 51 33 00-0008	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	90.69	4.32
26 51 33 00-0009	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	49.75	4.32
26 51 33 00-0010	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	56.33	4.32
26 51 33 00-0011	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	72.60	4.32
26 51 33 00-0012	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	72.60	4.32
26 51 33 00-0013	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	73.84	4.32
26 51 33 00-0014	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	73.38	4.32
26 51 33 00-0015	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	73.38	4.32
26 51 33 00-0016	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	84.46	4.32
26 51 33 00-0017	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	38.38	4.32
26 51 33 00-0018	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	35.80	4.32
26 51 33 00-0019	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	36.70	4.32
26 51 33 00-0020	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	46.28	4.32
26 51 33 00-0021	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	60.97	4.32
26 51 33 00-0022	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	62.53	4.32
26 51 33 00-0023	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	48.66	4.32
26 51 33 00-0024	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	35.80	4.32
26 51 33 00-0025	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	35.98	

26 51 33 00-0026 Additional Lighting Wire Whips *(26 51 33)*

26 51 33 00-0027	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.06	

26 52 Safety Lighting *(26 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001 Commercial Emergency Lights *(26 52 13 13)*

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)*
Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	146.56	20.00
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	101.77	20.00
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	160.39	20.00
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	186.93	20.00
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	278.13	20.00
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	315.15	20.00
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	459.38	20.00
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)*
Note: For use with fixtures that have remote capability.

26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	99.09	12.00
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	99.76	12.00
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	102.00	12.00
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	101.63	12.00
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	87.89	12.00
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	60.59	12.00

26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*
Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	257.98	20.00
		For Wireguard, Add	*131.17*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	216.56	20.00
		For Wireguard, Add	*131.17*	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	337.62	20.00
		For Wireguard, Add	*131.17*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	358.51	20.00
		For Wireguard, Add	*131.17*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	511.72	20.00
		For Wireguard, Add	*139.70*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	804.81	20.00
		For Wireguard, Add	*139.70*	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*
Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	76.32	12.00
		For Wireguard, Add	*105.85*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	78.92	12.00
		For Wireguard, Add	*105.85*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	76.68	12.00
		For Wireguard, Add	*105.85*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	77.11	12.00
		For Wireguard, Add	*105.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	78.92	12.00
		For Wireguard, Add	*105.85*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	92.13	12.00
		For Wireguard, Add	*105.85*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	254.65	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	276.76	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	270.70	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	286.14	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	481.74	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	378.49	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	423.91	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	446.92	20.00
		For Wireguard, Add	*127.53*	
		For Self-Diagnostics, Add	*61.50*	

26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	66.33	12.00
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	71.60	12.00
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	66.39	12.00
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	70.27	12.00
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	60.31	12.00

26 52 13 13-0049 Outdoor Emergency Lights *(26 52 13 13)*

26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*

Note: Includes nickel-cadmium batteries.

26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	400.59	20.00
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	477.80	20.00

26 52 13 13-0053 Recessed Emergency Lights *(26 52 13 13)*

26 52 13 13-0054	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	436.32	20.00
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	346.56	39.98
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*139.70*	
26 52 13 13-0056	EA	50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	496.20	39.98
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*139.70*	

26 52 13 13-0057 Square Wraparound Emergency Lights *(26 52 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0058	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	200.31	20.00

26 52 13 16 Exit Signs *(26 52 13)*

Note: Excludes pendants.

26 52 13 16-0001 LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	119.79	29.23
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	119.79	29.23
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	165.65	29.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	165.65	29.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	182.04	29.23
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	205.95	29.23
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	172.05	29.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	189.40	29.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	219.27	29.23
		Note: Includes two circular side mounted krypton emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	367.48	29.23
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	273.55	29.23
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	286.15	29.23
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	81.16	29.23
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	81.45	29.27

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign	252.15	29.23
		For Green LED Lamps, Add	*40.00*	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign	270.37	29.23
		For Green LED Lamps, Add	*40.00*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	308.40	29.23
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	321.82	29.23
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	341.87	29.23
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	624.98	29.23
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	406.37	29.23
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	676.75	29.23
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	373.97	29.23
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	676.75	29.23
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	457.84	29.23
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	839.04	29.23

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	322.80	29.23
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	498.11	29.23
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	605.60	29.23

26 52 13 16-0034 Remove And Reinstall Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	59.98	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs	76.56	8.01
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights	45.26	8.01
26 52 13 16-0039	EA	Removal And Replacement Of Battery For Exit Signs	76.89	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	45 Watt, 5,183 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,237.91	65.70
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	
26 54 19 00-0004	EA	62 Watt, 7,095 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	2,748.57	70.07
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	
26 54 19 00-0005	EA	79 Watt, 9,132 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,108.26	74.45
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	
26 54 19 00-0006	EA	99 Watt, 11,107 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	3,477.99	78.83
		For Bolt-On Visor, Add	*87.38*	
		For Bolt-On Wire Guard, Add	*179.73*	
		For 480 Volt, Add	*153.88*	
		For Warm White Color Rendering, Add	*65.34*	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	25 Watt, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,307.01	61.31
		For 12/24 Volt DC Driver, Add	*24.84*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Temperature LEDs, Add	*65.34*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*33.81*	
		For Stanchion Mount, Add	*209.37*	
		For Ceiling Mount, Add	*83.96*	
		For Wall Mount, Add	*122.56*	
		For Teflon Coated Lens, Add	*107.72*	
		For Wall Mount With Junction Box, Add	*178.94*	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0010	EA	47 Watt, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,103.18	61.31
		For Ceiling Mount, Add	*16.07*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Polycarbonate Lens, Add	*94.07*	
		For 480 Volt, Add	*153.88*	
26 54 19 00-0011	EA	63 Watt, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,331.59	65.70
		For Ceiling Mount, Add	*16.07*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Polycarbonate Lens, Add	*94.07*	
		For 480 Volt, Add	*153.88*	
26 54 19 00-0012	EA	98 Watt, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	2,615.50	70.07
		For Ceiling Mount, Add	*16.07*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Polycarbonate Lens, Add	*94.07*	
		For 480 Volt, Add	*153.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0013	EA	98 Watt, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	3,419.84	74.45
		For Ceiling Mount, Add	*16.07*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Polycarbonate Lens, Add	*94.07*	
		For 480 Volt, Add	*153.88*	
26 54 19 00-0014	EA	137 Watt, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	3,928.66	78.83
		For Ceiling Mount, Add	*16.07*	
		For Quick Clip Mounting Option, Add	*23.60*	
		For Frosted Lens, Add	*50.75*	
		For Warm White Color Rendering, Add	*65.34*	
		For Polycarbonate Lens, Add	*94.07*	
		For 480 Volt, Add	*153.88*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	80 Watt, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	2,998.06	65.70
		For Wall Mount, Deduct	*-11.54*	
		For Warm Color Temperature LEDs, Add	*62.22*	
		For Stainless Steel Guard, Add	*111.69*	
		For Ceiling Mount, Add	*134.74*	
		For Stanchion Mount, Add	*156.81*	
		For Yoke Mount, Add	*392.03*	
26 54 19 00-0018	EA	100 Watt, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	3,649.45	70.07
		For Wall Mount, Deduct	*-11.54*	
		For Warm Color Temperature LEDs, Add	*62.22*	
		For Stainless Steel Guard, Add	*111.69*	
		For Ceiling Mount, Add	*134.74*	
		For Stanchion Mount, Add	*156.81*	
		For Yoke Mount, Add	*392.03*	
26 54 19 00-0019	EA	130 Watt, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	4,242.38	74.45
		For Wall Mount, Deduct	*-11.54*	
		For Warm Color Temperature LEDs, Add	*62.22*	
		For Stainless Steel Guard, Add	*111.69*	
		For Ceiling Mount, Add	*134.74*	
		For Stanchion Mount, Add	*156.81*	
		For Yoke Mount, Add	*392.03*	
26 54 19 00-0020	EA	151 Watt, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	4,846.22	78.83
		For Wall Mount, Deduct	*-11.54*	
		For Warm Color Temperature LEDs, Add	*62.22*	
		For Stainless Steel Guard, Add	*111.69*	
		For Ceiling Mount, Add	*134.74*	
		For Stanchion Mount, Add	*156.81*	
		For Yoke Mount, Add	*392.03*	
26 54 19 00-0021	EA	175 Watt, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	5,618.67	75.91
		For Wall Mount, Deduct	*-11.54*	
		For Warm Color Temperature LEDs, Add	*62.22*	
		For Stainless Steel Guard, Add	*111.69*	
		For Ceiling Mount, Add	*134.74*	
		For Stanchion Mount, Add	*156.81*	
		For Yoke Mount, Add	*392.03*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	926.77	67.98
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	934.76	71.98
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	942.76	75.98
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	874.39	79.98
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	926.77	67.98
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	934.76	71.98
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	942.76	75.98
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	874.39	79.98
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	926.77	67.98
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	934.76	71.98
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	942.76	75.98
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	874.39	79.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	926.77	67.98
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	934.76	71.98
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	942.76	75.98
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	874.39	79.98
26 55 13 00-0021		**Round, High Pressure Sodium, Aluminum Architectural Bollards** *(26 55 13 00-0003)*		
26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	891.70	67.98
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.69	71.98
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	907.69	75.98
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	839.01	79.98
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	891.70	67.98
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.69	71.98
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	907.69	75.98
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	839.01	79.98
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	891.70	67.98
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.69	71.98
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	907.69	75.98
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	839.01	79.98
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	891.70	67.98
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.69	71.98
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	907.69	75.98
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	839.01	79.98
26 55 13 00-0038		**Metal Halide, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0039		**Square, Metal Halide, Aluminum Architectural Bollards** *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	972.30	67.98
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	980.29	71.98
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	988.29	75.98
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	919.61	79.98
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	972.30	67.98
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	980.29	71.98
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	988.29	75.98
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	919.61	79.98
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	972.30	67.98
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	980.29	71.98
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	988.29	75.98
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	957.71	79.98
26 55 13 00-0052		**Round, Metal Halide, Aluminum Architectural Bollards** *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	936.91	67.98
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	944.90	71.98
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	952.90	75.98
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	884.22	79.98
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	936.91	67.98
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	944.90	71.98
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	952.90	75.98
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	884.22	79.98
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	936.91	67.98
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	944.90	71.98
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	952.90	75.98
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	884.22	79.98
26 55 13 00-0065		**Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0066		**Square, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	922.78	67.98
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	930.77	71.98
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	938.77	75.98
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	871.12	79.98
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	922.78	67.98
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	930.77	71.98
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	938.77	75.98
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	871.12	79.98
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	922.78	67.98
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	930.77	71.98
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	938.77	75.98
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	871.12	79.98
26 55 13 00-0079		**Round, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	888.16	67.98
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	896.15	71.98
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	904.15	75.98
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	837.17	79.98
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	888.16	67.98
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	896.15	71.98
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	904.15	75.98
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	837.17	79.98
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	888.16	67.98
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	896.15	71.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	904.15	75.98
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	837.17	79.98
26 55 13 00-0092		LED, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0093		Square, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,102.51	67.98
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,110.50	71.98
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,118.50	75.98
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,051.81	79.98
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,343.48	67.98
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,351.47	71.98
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,359.47	75.98
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,291.58	79.98
26 55 13 00-0102		Round, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,066.56	67.98
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,074.55	71.98
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,082.55	75.98
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,014.66	79.98
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,307.53	67.98
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,315.52	71.98
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,323.52	75.98
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,256.06	79.98
26 55 13 00-0111		Reinforced Concrete Bollards *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	942.42	199.93
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,641.15	266.56
26 55 13 00-0114		Low Voltage *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	509.86	145.56
26 55 13 00-0116	EA	Low Voltage Walkway	357.18	79.98
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	356.98	106.77
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	306.97	79.98
26 55 13 00-0119		Recessed, Adjustable *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	589.39	127.96
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	643.18	127.96
26 55 13 00-0122		Recessed, Uplight *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	528.43	127.96
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	539.19	127.96
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	571.46	127.96
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	567.88	127.96
26 55 13 00-0127	EA	5 Watt LED Recessed Uplight	695.67	127.96
26 55 13 00-0128	EA	15 Watt LED Recessed Uplight	762.79	127.96
26 55 13 00-0129		Recessed Wall Light *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	274.70	79.98
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	263.94	79.98
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	425.11	106.77
26 55 13 00-0133		Step Lights *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	224.74	63.98
26 55 13 00-0135	EA	Fluorescent Step Light	260.64	63.98
26 55 13 00-0136	EA	5 Watt LED Step Light	380.77	63.98
26 55 13 00-0137	EA	15 Watt LED Step Light	452.36	63.98
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		Incandescent Walkway *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	418.21	74.37
26 55 16 00-0003		Metal Halide Walkway *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	639.20	116.92
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	682.98	121.16
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	747.78	125.80
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	797.70	135.96
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	700.52	125.80
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	730.13	116.92
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	739.73	121.16
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	615.65	83.33
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	662.92	83.33
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	710.19	83.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	802.20	93.81
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	598.80	74.85
26 55 16 00-0016		High Pressure Sodium Walkway *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	550.53	116.92
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	586.59	121.16
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	639.22	125.80
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	682.71	135.96
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	602.30	125.80
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	621.57	116.92
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	630.93	121.16
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	517.43	83.33
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	554.35	83.33
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	591.28	83.33
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	667.79	93.81
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	317.83	74.85
26 55 16 00-0029		Walkway, Adjustable *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	609.98	106.77
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	633.30	106.77
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,143.88	159.95
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	533.07	79.98
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	564.17	79.98
26 55 16 00-0035		LED Walkway *(26 55 16)*		
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	772.35	61.31
		For Multi-Level Drive Currents, Add	*212.27*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	798.13	61.31
		For Multi-Level Drive Currents, Add	*212.27*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	843.61	61.31
		For Multi-Level Drive Currents, Add	*212.27*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	878.48	61.31
		For Multi-Level Drive Currents, Add	*212.27*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,006.23	78.83
		For Multi-Level Drive Currents, Add	*212.27*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492)	2,596.15	
		Note: Type Fixture 17 as Post		
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	2,399.07	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	2,355.86	
		Note: Washers and nuts included		
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		General Electric Powerflood® Flood Lights *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	232.21	66.43
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	234.19	66.43
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	237.51	66.43
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	311.04	66.43
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	462.65	88.56
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	465.30	88.56
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	469.93	88.56
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	522.27	88.56
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	537.50	88.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0016		**Metal Halide P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	458.01	88.56
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	481.19	88.56
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	493.12	88.56
26 55 53 11-0020		**PF-154 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	473.52	99.64
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	476.84	99.64
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	482.14	99.64
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	533.81	99.64
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	548.38	99.64
26 55 53 11-0027		**Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	469.55	99.64
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	492.07	99.64
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	504.00	99.64
26 55 53 11-0031		**PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		**High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	629.86	99.64
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	676.23	99.64
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	672.92	99.64
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	689.48	99.64
26 55 53 11-0037		**Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	647.09	99.64
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	661.00	99.64
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	675.57	99.64
26 55 53 11-0041		**PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	850.09	110.71
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	850.09	110.71
26 55 53 11-0045		**Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	811.66	110.71
26 55 53 11-0047		**HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		**High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	693.46	99.64
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	706.04	99.64
26 55 53 11-0051		**Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	700.74	99.64
26 55 53 11-0053		**Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	120.46	22.15
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	71.44	22.15
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	101.91	22.15
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	78.73	22.15
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	200.41	66.43
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	86.01	22.15
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	150.73	66.43
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	156.69	66.43
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	65.48	22.15
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	63.49	22.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0064		Lithonia Contour Series Flood Lights *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	427.38	88.56
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	465.63	88.56
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	503.08	88.56
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	549.82	88.56
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	540.62	88.56
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	525.78	88.56
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	524.68	88.56
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	546.01	88.56
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	648.84	99.64
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	661.59	99.64
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	620.16	99.64
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	620.16	99.64
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	640.17	99.64
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	620.34	88.56
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	639.43	88.56
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	655.38	88.56
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	613.95	88.56
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	633.07	88.56
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,193.74	110.71
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	922.76	110.71
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,018.39	110.71
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	104.39	22.15
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	198.26	22.15
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	86.68	22.15
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	115.36	22.15
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	260.34	66.43
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	209.58	66.43
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	209.58	66.43
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	229.82	66.43
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	100.03	22.15
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	80.58	22.15
26 55 53 11-0110		Eaton Flood Lights *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 128 Watt, 16,932 Lumens, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	663.61	88.56
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*34.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0112	EA	128 Watt, 120-277 Volt, 16,900 Lumens, NEMA 6H x 6V Wide, Trunnion Mount, 4000K Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	823.73	97.96
26 55 53 11-0113		**Ruud Flood Lights** *(26 55 53 11)*		
26 55 53 11-0114		**NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	282.55	66.43
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	282.55	66.43
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	282.55	66.43
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	282.55	66.43
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	282.55	66.43
26 55 53 11-0121		**Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	319.65	66.43
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	319.65	66.43
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	319.65	66.43
26 55 53 11-0125		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	244.13	66.43
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	253.41	66.43
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	256.06	66.43
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	258.71	66.43
26 55 53 11-0130		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	435.10	99.64
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	458.95	99.64
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	472.20	99.64
26 55 53 11-0135		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	429.80	99.64
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	432.45	99.64
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	440.40	99.64
26 55 53 11-0139		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	420.53	99.64
26 55 53 11-0141		**FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	505.32	99.64
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	507.97	99.64
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	850.75	110.71
26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	505.32	99.64
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	507.97	99.64
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	515.92	99.64
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	763.30	110.71
26 55 53 11-0151		**MFS (Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		**High Pressure Sodium MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	398.39	88.56
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	426.21	88.56
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	426.21	88.56
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	426.21	88.56
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	426.21	88.56
26 55 53 11-0158		**Metal Halide MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	435.49	88.56
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	435.49	88.56
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	435.49	88.56
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	420.91	88.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	431.51	88.56
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	459.33	88.56
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	459.33	88.56
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	459.33	88.56
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	459.33	88.56
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	468.61	88.56
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	468.61	88.56
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	468.61	88.56
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	454.03	88.56
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	567.59	99.64
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	580.84	99.64
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	883.87	110.71
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	538.44	99.64
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	541.09	99.64
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	549.04	99.64
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	796.43	110.71
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	730.18	110.71
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	867.97	110.71
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	698.38	110.71
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	780.53	110.71
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	586.14	99.64
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	599.39	99.64
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	556.99	99.64
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	559.64	99.64
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	567.59	99.64
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	814.98	110.71
26 55 53 11-0201		Accessories For Ruud Flood Lighting *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	64.15	22.15
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	99.93	22.15
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	73.43	22.15
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	86.68	22.15
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	177.89	66.43
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	56.20	22.15
26 55 53 11-0208		Lumark Flood Lights *(26 55 53 11)*		
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights *(26 55 53 11-0208)* Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	159.93	66.43
26 55 53 11-0211		LQL Series Quartz Lumark Flood Lights *(26 55 53 11-0208)* Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	199.02	66.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0213		Kim Lighting *(26 55 53 11)*		
26 55 53 11-0214		MicroFlood® Series Kim Lighting Flood Lights *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		LED MicroFlood® Series Kim Lighting Flood Lights *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light	316.88	28.04
26 55 53 11-0217	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light	390.39	28.04
26 55 53 11-0218		Scarab® Series Kim Lighting Flood Lights *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		LED Scarab® Series Kim Lighting Accent Flood Lights *(26 55 53 11-0218)* Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	480.82	28.04
26 55 53 11-0221		CREE® BetaLED® Flood Lights *(26 55 53 11)*		
26 55 53 11-0222		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 System Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	991.17	80.15
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,088.02	84.60
26 55 53 11-0225		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	856.42	75.70
		For 480 Volt, Add	*61.79*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,088.20	80.15
		For 480 Volt, Add	*61.79*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,320.00	84.60
		For 480 Volt, Add	*61.79*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,641.24	89.05
		For 480 Volt, Add	*61.79*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,873.02	93.50
		For 480 Volt, Add	*61.79*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,104.82	97.96
		For 480 Volt, Add	*61.79*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,407.86	102.41
		For 480 Volt, Add	*61.79*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,639.64	106.87
		For 480 Volt, Add	*61.79*	
26 55 53 11-0234		Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA	120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,015.36	97.96
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*37.97*	
		For 5,000K Color Temperature, Add	*44.71*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	
		For 1,000mA Driver, Add	*150.21*	
26 55 53 11-0236	EA	240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	3,449.34	120.22
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For 5,000K Color Temperature, Add	*44.71*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Bird Spikes, Add	*57.10*	
		For Multi-Level, Add	*116.23*	
		For 1,000mA Driver, Add	*150.21*	
		For 480 Volt, Add	*160.93*	
26 55 53 11-0237		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)* Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,153.52	97.96
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Front Facing Optics, Back Light Shield, Add	*28.57*	
		For Rotated Optics, Back Light Shield, Add	*28.57*	
		For Field Adjustable Output, Add	*26.83*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Multi-Level, Add	*116.23*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) Note: Type III, IV or V medium optics only.	1,238.02	97.96
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Front Facing Optics, Back Light Shield, Add	*28.57*	
		For Rotated Optics, Back Light Shield, Add	*28.57*	
		For Field Adjustable Output, Add	*26.83*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Type II Medium Or Type V Short Optics, Add	*-129.28*	
		For Multi-Level, Add	*116.23*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,592.34	120.22
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Field Adjustable Output, Add	*26.83*	
		For Front Facing Optics, Back Light Shield, Add	*34.55*	
		For Rotated Optics, Back Light Shield, Add	*34.55*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Multi-Level, Add	*116.23*	

26 55 53 11-0241 PlanLED Flood Lights *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	397.90	80.15
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	473.83	84.60
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	545.68	91.28

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,105.60	178.11
		For 0 To 10 Volt Dimming, Add	*52.20*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	1,696.59	178.11
		For 0 To 10 Volt Dimming, Add	*52.20*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	2,968.73	178.11
		For 0 To 10 Volt Dimming, Add	*52.20*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	971.18	115.77
		For 0 To 10 Volt Dimming, Add	*52.20*	
		For 480 Volt, Add	*-20.68*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	1,238.41	120.22
		For 0 To 10 Volt Dimming, Add	*52.20*	
		For 480 Volt, Add	*62.95*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	1,575.10	124.67
		For 0 To 10 Volt Dimming, Add	*52.20*	
		For 480 Volt, Add	*50.54*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	614.76	88.56
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	655.83	88.56
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	616.08	88.56

26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	651.44	88.56
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	631.98	88.56

26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	586.52	88.56
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	611.03	88.56
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	520.28	88.56
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	826.90	110.71
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	838.82	110.71
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	822.92	110.71
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	838.82	110.71
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	616.61	99.64
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	662.99	99.64
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** ***(26 55 53)*** Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,417.04	132.84
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,525.68	132.84
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,530.98	132.84
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,696.59	132.84
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,627.70	132.84
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,554.23	132.84
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,484.61	132.84
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,553.50	132.84
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 63		**Detention Lighting** ***(26 55)***		
26 55 63 00-0001		Maximum Security Recessed Luminaire *(26 55 63)* Note: Cooper Lighting Fail-Safe FMR Series.		
26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	817.06	26.30
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	897.51	26.30
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	793.16	31.56
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,066.08	36.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, T8 Lamps, 14 Gauge Fluorescent, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,068.86	36.83
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,071.64	36.83
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	817.06	26.30
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	936.35	26.30
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	831.99	31.57
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	949.57	36.83
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	952.35	36.83
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	955.13	36.83
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	719.96	26.30
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	722.75	26.30
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	870.83	31.56
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,027.24	36.83
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,037.79	36.83
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,040.57	36.83
26 55 63 00-0020		**Maximum Security Surface Luminaire** *(26 55 63)* Note: Cooper Lighting Fail-Safe FUS Series.		
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	739.38	26.30
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	916.93	26.30
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	700.54	26.30
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	703.33	26.30
26 55 63 00-0025	EA	16" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	696.06	31.56
26 55 63 00-0026	EA	16" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	848.47	34.20
26 55 63 00-0027	EA	16" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	870.68	34.20
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	873.46	34.20
26 55 63 00-0029		**Ultimax Security Surface Luminaire** *(26 55 63)* Note: Cooper Lighting Fail-Safe FMS Series.		
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	661.71	26.30
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	858.68	26.30
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	734.90	31.56
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	755.38	36.83
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	758.16	36.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	760.95	36.83

26 55 63 00-0036 Maximum Security Wall Luminaire *(26 55 63)*

Note: Cooper Lighting Fail-Safe FMW Series.

26 55 63 00-0037	EA	10-1/2" x 48", Two 32 Watt, T8 Fluorescent Lamps, 1 Up, 1 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	894.73	26.39
26 55 63 00-0038	EA	10-1/2" x 48", Three 32 Watt, T8 Fluorescent Lamps, 1 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	897.51	26.39
26 55 63 00-0039	EA	10-1/2" x 48", Four 32 Watt, T8 Fluorescent Lamps, 2 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	900.30	26.39

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles And Standards *(26 56)*

26 56 13 00-0001 Standards And Arms *(26 56 13)*

Note: As maunfactured by Hapco Aluminum Pole Products.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*

26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*

26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*

26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,211.27	265.70
		For Galvanized Finish, Add	*80.40*	
		For >10 To 20, Deduct	*-80.28*	
		For >20 To 40, Deduct	*-160.56*	
		For >40, Deduct	*-254.13*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,217.89	265.70
		For Galvanized Finish, Add	*80.60*	
		For >10 To 20, Deduct	*-80.45*	
		For >20 To 40, Deduct	*-160.89*	
		For >40, Deduct	*-254.63*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,434.27	354.26
		For Galvanized Finish, Add	*81.77*	
		For >10 To 20, Deduct	*-85.86*	
		For >20 To 40, Deduct	*-171.71*	
		For >40, Deduct	*-275.28*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,513.92	354.26
		For Galvanized Finish, Add	*84.16*	
		For >10 To 20, Deduct	*-87.85*	
		For >20 To 40, Deduct	*-175.70*	
		For >40, Deduct	*-281.26*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,593.57	354.26
		For Galvanized Finish, Add	*86.55*	
		For >10 To 20, Deduct	*-89.84*	
		For >20 To 40, Deduct	*-179.68*	
		For >40, Deduct	*-287.23*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,698.91	398.54
		For Galvanized Finish, Add	*87.05*	
		For >10 To 20, Deduct	*-92.47*	
		For >20 To 40, Deduct	*-184.95*	
		For >40, Deduct	*-297.35*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,736.68	398.54
		For Galvanized Finish, Add	*88.19*	
		For >10 To 20, Deduct	*-93.42*	
		For >20 To 40, Deduct	*-186.83*	
		For >40, Deduct	*-300.18*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,743.87	398.54
		For Galvanized Finish, Add	*88.40*	
		For >10 To 20, Deduct	*-93.60*	
		For >20 To 40, Deduct	*-187.19*	
		For >40, Deduct	*-300.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,922.22	420.69
		For Galvanized Finish, Add	*92.43*	
		For >10 To 20, Deduct	*-98.06*	
		For >20 To 40, Deduct	*-196.11*	
		For >40, Deduct	*-315.20*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,950.75	420.69
		For Galvanized Finish, Add	*93.28*	
		For >10 To 20, Deduct	*-98.77*	
		For >20 To 40, Deduct	*-197.54*	
		For >40, Deduct	*-317.34*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,981.90	420.69
		For Galvanized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-99.55*	
		For >20 To 40, Deduct	*-199.10*	
		For >40, Deduct	*-319.68*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,584.15	442.83
		For Galvanized Finish, Add	*110.96*	
		For >10 To 20, Deduct	*-114.60*	
		For >20 To 40, Deduct	*-229.21*	
		For >40, Deduct	*-365.95*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,594.31	442.83
		For Galvanized Finish, Add	*111.26*	
		For >10 To 20, Deduct	*-114.86*	
		For >20 To 40, Deduct	*-229.72*	
		For >40, Deduct	*-366.71*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,604.35	442.83
		For Galvanized Finish, Add	*111.56*	
		For >10 To 20, Deduct	*-115.11*	
		For >20 To 40, Deduct	*-230.22*	
		For >40, Deduct	*-367.47*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,022.70	309.98
		For Galvanized Finish, Add	*102.08*	
		For >10 To 20, Deduct	*-100.57*	
		For >20 To 40, Deduct	*-201.14*	
		For >40, Deduct	*-317.20*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,087.40	321.05
		For Galvanized Finish, Add	*103.36*	
		For >10 To 20, Deduct	*-102.19*	
		For >20 To 40, Deduct	*-204.37*	
		For >40, Deduct	*-322.61*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,141.61	332.12
		For Galvanized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-103.54*	
		For >20 To 40, Deduct	*-207.08*	
		For >40, Deduct	*-327.23*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,923.93	398.54
		For Galvanized Finish, Add	*93.81*	
		For >10 To 20, Deduct	*-98.10*	
		For >20 To 40, Deduct	*-196.20*	
		For >40, Deduct	*-314.22*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,962.95	409.61
		For Galvanized Finish, Add	*94.31*	
		For >10 To 20, Deduct	*-99.07*	
		For >20 To 40, Deduct	*-198.15*	
		For >40, Deduct	*-317.70*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,991.94	420.69
		For Galvanized Finish, Add	*94.52*	
		For >10 To 20, Deduct	*-99.80*	
		For >20 To 40, Deduct	*-199.60*	
		For >40, Deduct	*-320.43*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,221.07	442.83
		For Galvanized Finish, Add	*100.06*	
		For >10 To 20, Deduct	*-105.53*	
		For >20 To 40, Deduct	*-211.05*	
		For >40, Deduct	*-338.72*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,253.49	453.89
		For Galvanized Finish, Add	*100.37*	
		For >10 To 20, Deduct	*-106.34*	
		For >20 To 40, Deduct	*-212.67*	
		For >40, Deduct	*-341.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,282.12	464.97
		For Galvanized Finish, Add	*100.57*	
		For >10 To 20, Deduct	*-107.05*	
		For >20 To 40, Deduct	*-214.11*	
		For >40, Deduct	*-344.41*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,483.86	464.97
		For Galvanized Finish, Add	*106.62*	
		For >10 To 20, Deduct	*-112.10*	
		For >20 To 40, Deduct	*-224.19*	
		For >40, Deduct	*-359.54*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,550.17	476.04
		For Galvanized Finish, Add	*107.94*	
		For >10 To 20, Deduct	*-113.75*	
		For >20 To 40, Deduct	*-227.51*	
		For >40, Deduct	*-365.06*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,614.19	487.11
		For Galvanized Finish, Add	*109.20*	
		For >10 To 20, Deduct	*-115.35*	
		For >20 To 40, Deduct	*-230.71*	
		For >40, Deduct	*-370.42*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,106.55	487.11
		For Galvanized Finish, Add	*123.97*	
		For >10 To 20, Deduct	*-127.66*	
		For >20 To 40, Deduct	*-255.33*	
		For >40, Deduct	*-407.35*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,135.31	498.18
		For Galvanized Finish, Add	*124.17*	
		For >10 To 20, Deduct	*-128.38*	
		For >20 To 40, Deduct	*-256.77*	
		For >40, Deduct	*-410.06*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,164.30	509.25
		For Galvanized Finish, Add	*124.37*	
		For >10 To 20, Deduct	*-129.11*	
		For >20 To 40, Deduct	*-258.22*	
		For >40, Deduct	*-412.79*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,638.01	442.83
		For Galvanized Finish, Add	*112.57*	
		For >10 To 20, Deduct	*-115.95*	
		For >20 To 40, Deduct	*-231.90*	
		For >40, Deduct	*-369.99*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,689.02	464.97
		For Galvanized Finish, Add	*112.77*	
		For >10 To 20, Deduct	*-117.23*	
		For >20 To 40, Deduct	*-234.45*	
		For >40, Deduct	*-374.92*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,750.09	487.11
		For Galvanized Finish, Add	*113.28*	
		For >10 To 20, Deduct	*-118.75*	
		For >20 To 40, Deduct	*-237.50*	
		For >40, Deduct	*-380.61*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,894.77	487.11
		For Galvanized Finish, Add	*117.62*	
		For >10 To 20, Deduct	*-122.37*	
		For >20 To 40, Deduct	*-244.74*	
		For >40, Deduct	*-391.46*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,948.98	509.25
		For Galvanized Finish, Add	*117.91*	
		For >10 To 20, Deduct	*-123.72*	
		For >20 To 40, Deduct	*-247.45*	
		For >40, Deduct	*-396.64*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,000.00	531.39
		For Galvanized Finish, Add	*118.12*	
		For >10 To 20, Deduct	*-125.00*	
		For >20 To 40, Deduct	*-250.00*	
		For >40, Deduct	*-401.57*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,214.51	509.25
		For Galvanized Finish, Add	*125.88*	
		For >10 To 20, Deduct	*-130.36*	
		For >20 To 40, Deduct	*-260.73*	
		For >40, Deduct	*-416.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,265.53	531.39
		For Galvanized Finish, Add	*126.08*	
		For >10 To 20, Deduct	*-131.64*	
		For >20 To 40, Deduct	*-263.28*	
		For >40, Deduct	*-421.48*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,316.54	553.53
		For Galvanized Finish, Add	*126.28*	
		For >10 To 20, Deduct	*-132.91*	
		For >20 To 40, Deduct	*-265.83*	
		For >40, Deduct	*-426.42*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,628.95	531.39
		For Galvanized Finish, Add	*136.98*	
		For >10 To 20, Deduct	*-140.72*	
		For >20 To 40, Deduct	*-281.45*	
		For >40, Deduct	*-448.74*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,679.62	553.53
		For Galvanized Finish, Add	*137.18*	
		For >10 To 20, Deduct	*-141.99*	
		For >20 To 40, Deduct	*-283.98*	
		For >40, Deduct	*-453.65*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,737.37	575.68
		For Galvanized Finish, Add	*137.58*	
		For >10 To 20, Deduct	*-143.43*	
		For >20 To 40, Deduct	*-286.87*	
		For >40, Deduct	*-459.09*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,163.72	487.11
		For Galvanized Finish, Add	*125.69*	
		For >10 To 20, Deduct	*-129.09*	
		For >20 To 40, Deduct	*-258.19*	
		For >40, Deduct	*-411.63*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,240.18	520.32
		For Galvanized Finish, Add	*125.99*	
		For >10 To 20, Deduct	*-131.00*	
		For >20 To 40, Deduct	*-262.01*	
		For >40, Deduct	*-419.03*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,313.23	553.53
		For Galvanized Finish, Add	*126.18*	
		For >10 To 20, Deduct	*-132.83*	
		For >20 To 40, Deduct	*-265.66*	
		For >40, Deduct	*-426.17*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,461.67	531.39
		For Galvanized Finish, Add	*131.97*	
		For >10 To 20, Deduct	*-136.54*	
		For >20 To 40, Deduct	*-273.08*	
		For >40, Deduct	*-436.20*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,535.16	564.60
		For Galvanized Finish, Add	*132.18*	
		For >10 To 20, Deduct	*-138.38*	
		For >20 To 40, Deduct	*-276.76*	
		For >40, Deduct	*-443.37*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,569.87	597.82
		For Galvanized Finish, Add	*131.23*	
		For >10 To 20, Deduct	*-139.25*	
		For >20 To 40, Deduct	*-278.49*	
		For >40, Deduct	*-447.63*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,888.09	553.53
		For Galvanized Finish, Add	*143.43*	
		For >10 To 20, Deduct	*-147.20*	
		For >20 To 40, Deduct	*-294.40*	
		For >40, Deduct	*-469.28*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,007.00	586.75
		For Galvanized Finish, Add	*145.01*	
		For >10 To 20, Deduct	*-150.18*	
		For >20 To 40, Deduct	*-300.35*	
		For >40, Deduct	*-479.86*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,037.94	619.96
		For Galvanized Finish, Add	*143.94*	
		For >10 To 20, Deduct	*-150.95*	
		For >20 To 40, Deduct	*-301.90*	
		For >40, Deduct	*-483.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,151.00	575.68
		For Galvanized Finish, Add	*149.99*	
		For >10 To 20, Deduct	*-153.78*	
		For >20 To 40, Deduct	*-307.55*	
		For >40, Deduct	*-490.11*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,224.05	608.88
		For Galvanized Finish, Add	*150.19*	
		For >10 To 20, Deduct	*-155.60*	
		For >20 To 40, Deduct	*-311.20*	
		For >40, Deduct	*-497.25*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,300.50	642.10
		For Galvanized Finish, Add	*150.49*	
		For >10 To 20, Deduct	*-157.51*	
		For >20 To 40, Deduct	*-315.03*	
		For >40, Deduct	*-504.64*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,680.74	354.26
		For Galvanized Finish, Add	*89.17*	
		For >10 To 20, Deduct	*-92.02*	
		For >20 To 40, Deduct	*-184.04*	
		For >40, Deduct	*-293.77*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,167.66	398.54
		For Galvanized Finish, Add	*101.12*	
		For >10 To 20, Deduct	*-104.19*	
		For >20 To 40, Deduct	*-208.38*	
		For >40, Deduct	*-332.50*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,267.39	420.69
		For Galvanized Finish, Add	*102.78*	
		For >10 To 20, Deduct	*-106.68*	
		For >20 To 40, Deduct	*-213.37*	
		For >40, Deduct	*-341.09*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	5,162.44	442.83
		For Galvanized Finish, Add	*128.30*	
		For >10 To 20, Deduct	*-129.06*	
		For >20 To 40, Deduct	*-258.12*	
		For >40, Deduct	*-409.32*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,870.52	354.26
		For Galvanized Finish, Add	*124.86*	
		For >10 To 20, Deduct	*-121.76*	
		For >20 To 40, Deduct	*-243.53*	
		For >40, Deduct	*-383.00*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,921.53	354.26
		For Galvanized Finish, Add	*126.39*	
		For >10 To 20, Deduct	*-123.04*	
		For >20 To 40, Deduct	*-246.08*	
		For >40, Deduct	*-386.83*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,944.80	354.26
		For Galvanized Finish, Add	*127.09*	
		For >10 To 20, Deduct	*-123.62*	
		For >20 To 40, Deduct	*-247.24*	
		For >40, Deduct	*-388.57*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,010.10	398.54
		For Galvanized Finish, Add	*126.39*	
		For >10 To 20, Deduct	*-125.25*	
		For >20 To 40, Deduct	*-250.51*	
		For >40, Deduct	*-395.68*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,019.00	398.54
		For Galvanized Finish, Add	*126.66*	
		For >10 To 20, Deduct	*-125.48*	
		For >20 To 40, Deduct	*-250.95*	
		For >40, Deduct	*-396.35*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,110.97	398.54
		For Galvanized Finish, Add	*129.42*	
		For >10 To 20, Deduct	*-127.77*	
		For >20 To 40, Deduct	*-255.55*	
		For >40, Deduct	*-403.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,084.61	420.69
		For Galvanized Finish, Add	*127.30*	
		For >10 To 20, Deduct	*-127.12*	
		For >20 To 40, Deduct	*-254.23*	
		For >40, Deduct	*-402.38*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,138.47	420.69
		For Galvanized Finish, Add	*128.91*	
		For >10 To 20, Deduct	*-128.46*	
		For >20 To 40, Deduct	*-256.92*	
		For >40, Deduct	*-406.42*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,420.88	420.69
		For Galvanized Finish, Add	*137.39*	
		For >10 To 20, Deduct	*-135.52*	
		For >20 To 40, Deduct	*-271.04*	
		For >40, Deduct	*-427.60*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,404.60	442.83
		For Galvanized Finish, Add	*165.57*	
		For >10 To 20, Deduct	*-160.12*	
		For >20 To 40, Deduct	*-320.23*	
		For >40, Deduct	*-502.49*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,497.71	464.97
		For Galvanized Finish, Add	*167.03*	
		For >10 To 20, Deduct	*-162.44*	
		For >20 To 40, Deduct	*-324.89*	
		For >40, Deduct	*-510.58*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,733.70	487.11
		For Galvanized Finish, Add	*172.78*	
		For >10 To 20, Deduct	*-168.34*	
		For >20 To 40, Deduct	*-336.69*	
		For >40, Deduct	*-529.38*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,464.87	487.11
		For Galvanized Finish, Add	*164.72*	
		For >10 To 20, Deduct	*-161.62*	
		For >20 To 40, Deduct	*-323.24*	
		For >40, Deduct	*-509.22*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,761.43	509.25
		For Galvanized Finish, Add	*172.29*	
		For >10 To 20, Deduct	*-169.04*	
		For >20 To 40, Deduct	*-338.07*	
		For >40, Deduct	*-532.57*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,929.87	531.39
		For Galvanized Finish, Add	*176.01*	
		For >10 To 20, Deduct	*-173.25*	
		For >20 To 40, Deduct	*-346.49*	
		For >40, Deduct	*-546.31*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,650.07	509.25
		For Galvanized Finish, Add	*168.95*	
		For >10 To 20, Deduct	*-166.25*	
		For >20 To 40, Deduct	*-332.50*	
		For >40, Deduct	*-524.22*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,054.25	531.39
		For Galvanized Finish, Add	*179.74*	
		For >10 To 20, Deduct	*-176.36*	
		For >20 To 40, Deduct	*-352.71*	
		For >40, Deduct	*-555.64*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,283.38	553.53
		For Galvanized Finish, Add	*185.29*	
		For >10 To 20, Deduct	*-182.08*	
		For >20 To 40, Deduct	*-364.17*	
		For >40, Deduct	*-573.93*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,198.95	265.70
		For >10 To 20, Deduct	*-54.97*	
		For >20 To 40, Deduct	*-109.95*	
		For >40, Deduct	*-178.21*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,219.14	265.70
		For >10 To 20, Deduct	*-55.48*	
		For >20 To 40, Deduct	*-110.96*	
		For >40, Deduct	*-179.72*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,680.79	354.26
		For >10 To 20, Deduct	*-67.02*	
		For >20 To 40, Deduct	*-134.04*	
		For >40, Deduct	*-218.77*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,718.93	354.26
		For >10 To 20, Deduct	*-67.97*	
		For >20 To 40, Deduct	*-135.95*	
		For >40, Deduct	*-221.63*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,754.01	354.26
		For >10 To 20, Deduct	*-68.85*	
		For >20 To 40, Deduct	*-137.70*	
		For >40, Deduct	*-224.26*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,081.43	398.54
		For >10 To 20, Deduct	*-77.04*	
		For >20 To 40, Deduct	*-154.07*	
		For >40, Deduct	*-251.03*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,113.61	398.54
		For >10 To 20, Deduct	*-77.84*	
		For >20 To 40, Deduct	*-155.68*	
		For >40, Deduct	*-253.45*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,149.60	398.54
		For >10 To 20, Deduct	*-78.74*	
		For >20 To 40, Deduct	*-157.48*	
		For >40, Deduct	*-256.15*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,634.84	420.69
		For >10 To 20, Deduct	*-90.87*	
		For >20 To 40, Deduct	*-181.74*	
		For >40, Deduct	*-293.65*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,666.94	420.69
		For >10 To 20, Deduct	*-91.67*	
		For >20 To 40, Deduct	*-183.35*	
		For >40, Deduct	*-296.05*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,693.83	420.69
		For >10 To 20, Deduct	*-92.35*	
		For >20 To 40, Deduct	*-184.69*	
		For >40, Deduct	*-298.07*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,516.69	309.98
		For >10 To 20, Deduct	*-62.92*	
		For >20 To 40, Deduct	*-125.83*	
		For >40, Deduct	*-204.25*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	2,714.51	309.98
		For >10 To 20, Deduct	*-67.86*	
		For >20 To 40, Deduct	*-135.73*	
		For >40, Deduct	*-219.09*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	2,797.34	332.12
		For >10 To 20, Deduct	*-69.93*	
		For >20 To 40, Deduct	*-139.87*	
		For >40, Deduct	*-226.41*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,987.69	398.54
		For >10 To 20, Deduct	*-74.69*	
		For >20 To 40, Deduct	*-149.38*	
		For >40, Deduct	*-244.00*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,135.75	409.61
		For >10 To 20, Deduct	*-78.39*	
		For >20 To 40, Deduct	*-156.79*	
		For >40, Deduct	*-255.66*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,351.90	420.69
		For >10 To 20, Deduct	*-83.80*	
		For >20 To 40, Deduct	*-167.60*	
		For >40, Deduct	*-272.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,457.65	442.83
		For >10 To 20, Deduct	*-86.44*	
		For >20 To 40, Deduct	*-172.88*	
		For >40, Deduct	*-281.47*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,596.62	453.89
		For >10 To 20, Deduct	*-89.92*	
		For >20 To 40, Deduct	*-179.83*	
		For >40, Deduct	*-292.44*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,767.50	464.97
		For >10 To 20, Deduct	*-94.19*	
		For >20 To 40, Deduct	*-188.38*	
		For >40, Deduct	*-305.81*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,942.48	464.97
		For >10 To 20, Deduct	*-98.56*	
		For >20 To 40, Deduct	*-197.12*	
		For >40, Deduct	*-318.93*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,328.82	476.04
		For >10 To 20, Deduct	*-108.22*	
		For >20 To 40, Deduct	*-216.44*	
		For >40, Deduct	*-348.46*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,779.10	487.11
		For >10 To 20, Deduct	*-119.48*	
		For >20 To 40, Deduct	*-238.96*	
		For >40, Deduct	*-382.79*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	2,923.69	354.26
		For >10 To 20, Deduct	*-73.09*	
		For >20 To 40, Deduct	*-146.18*	
		For >40, Deduct	*-236.99*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,127.99	376.40
		For >10 To 20, Deduct	*-78.20*	
		For >20 To 40, Deduct	*-156.40*	
		For >40, Deduct	*-253.42*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,548.74	442.83
		For >10 To 20, Deduct	*-88.72*	
		For >20 To 40, Deduct	*-177.44*	
		For >40, Deduct	*-288.30*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,698.83	464.97
		For >10 To 20, Deduct	*-92.47*	
		For >20 To 40, Deduct	*-184.94*	
		For >40, Deduct	*-300.66*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,873.59	487.11
		For >10 To 20, Deduct	*-96.84*	
		For >20 To 40, Deduct	*-193.68*	
		For >40, Deduct	*-314.87*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,008.96	509.25
		For >10 To 20, Deduct	*-100.22*	
		For >20 To 40, Deduct	*-200.45*	
		For >40, Deduct	*-326.13*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,198.42	509.25
		For >10 To 20, Deduct	*-104.96*	
		For >20 To 40, Deduct	*-209.92*	
		For >40, Deduct	*-340.34*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,578.93	531.39
		For >10 To 20, Deduct	*-114.47*	
		For >20 To 40, Deduct	*-228.95*	
		For >40, Deduct	*-369.99*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,674.05	553.53
		For >10 To 20, Deduct	*-166.85*	
		For >20 To 40, Deduct	*-333.70*	
		For >40, Deduct	*-528.23*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,011.76	398.54
		For >10 To 20, Deduct	*-75.29*	
		For >20 To 40, Deduct	*-150.59*	
		For >40, Deduct	*-245.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,132.89	398.54
		For >10 To 20, Deduct	*-78.32*	
		For >20 To 40, Deduct	*-156.64*	
		For >40, Deduct	*-254.89*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,881.12	487.11
		For >10 To 20, Deduct	*-97.03*	
		For >20 To 40, Deduct	*-194.06*	
		For >40, Deduct	*-315.44*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,205.75	520.32
		For >10 To 20, Deduct	*-105.14*	
		For >20 To 40, Deduct	*-210.29*	
		For >40, Deduct	*-341.45*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,392.87	531.39
		For >10 To 20, Deduct	*-109.82*	
		For >20 To 40, Deduct	*-219.64*	
		For >40, Deduct	*-356.04*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,690.68	564.60
		For >10 To 20, Deduct	*-117.27*	
		For >20 To 40, Deduct	*-234.53*	
		For >40, Deduct	*-380.03*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,629.17	553.53
		For >10 To 20, Deduct	*-115.73*	
		For >20 To 40, Deduct	*-231.46*	
		For >40, Deduct	*-374.86*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,288.54	586.75
		For >10 To 20, Deduct	*-132.21*	
		For >20 To 40, Deduct	*-264.43*	
		For >40, Deduct	*-425.98*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,869.39	619.96
		For >10 To 20, Deduct	*-146.73*	
		For >20 To 40, Deduct	*-293.47*	
		For >40, Deduct	*-471.20*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,241.22	354.26
		For >10 To 20, Deduct	*-81.03*	
		For >20 To 40, Deduct	*-162.06*	
		For >40, Deduct	*-260.80*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,268.19	354.26
		For >10 To 20, Deduct	*-81.70*	
		For >20 To 40, Deduct	*-163.41*	
		For >40, Deduct	*-262.83*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,337.11	354.26
		For >10 To 20, Deduct	*-83.43*	
		For >20 To 40, Deduct	*-166.86*	
		For >40, Deduct	*-268.00*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,440.52	354.26
		For >10 To 20, Deduct	*-86.01*	
		For >20 To 40, Deduct	*-172.03*	
		For >40, Deduct	*-275.75*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,649.55	398.54
		For >10 To 20, Deduct	*-91.24*	
		For >20 To 40, Deduct	*-182.48*	
		For >40, Deduct	*-293.64*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,710.36	398.54
		For >10 To 20, Deduct	*-92.76*	
		For >20 To 40, Deduct	*-185.52*	
		For >40, Deduct	*-298.20*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,775.22	398.54
		For >10 To 20, Deduct	*-94.38*	
		For >20 To 40, Deduct	*-188.76*	
		For >40, Deduct	*-303.07*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,166.47	398.54
		For >10 To 20, Deduct	*-104.16*	
		For >20 To 40, Deduct	*-208.32*	
		For >40, Deduct	*-332.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,972.06	420.69
		For >10 To 20, Deduct	*-99.30*	
		For >20 To 40, Deduct	*-198.60*	
		For >40, Deduct	*-318.94*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,474.08	420.69
		For >10 To 20, Deduct	*-111.85*	
		For >20 To 40, Deduct	*-223.70*	
		For >40, Deduct	*-356.59*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,522.98	420.69
		For >10 To 20, Deduct	*-113.07*	
		For >20 To 40, Deduct	*-226.15*	
		For >40, Deduct	*-360.26*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,833.39	420.69
		For >10 To 20, Deduct	*-120.83*	
		For >20 To 40, Deduct	*-241.67*	
		For >40, Deduct	*-383.54*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,116.50	420.69
		For >10 To 20, Deduct	*-127.91*	
		For >20 To 40, Deduct	*-255.83*	
		For >40, Deduct	*-404.77*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,215.73	442.83
		For >10 To 20, Deduct	*-105.39*	
		For >20 To 40, Deduct	*-210.79*	
		For >40, Deduct	*-338.32*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,328.92	464.97
		For >10 To 20, Deduct	*-108.22*	
		For >20 To 40, Deduct	*-216.45*	
		For >40, Deduct	*-347.92*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	4,417.56	487.11
		For >10 To 20, Deduct	*-110.44*	
		For >20 To 40, Deduct	*-220.88*	
		For >40, Deduct	*-355.67*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,535.70	487.11
		For >10 To 20, Deduct	*-113.39*	
		For >20 To 40, Deduct	*-226.79*	
		For >40, Deduct	*-364.53*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,939.21	509.25
		For >10 To 20, Deduct	*-123.48*	
		For >20 To 40, Deduct	*-246.96*	
		For >40, Deduct	*-395.90*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,692.27	531.39
		For >10 To 20, Deduct	*-142.31*	
		For >20 To 40, Deduct	*-284.61*	
		For >40, Deduct	*-453.49*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,507.66	509.25
		For >10 To 20, Deduct	*-137.69*	
		For >20 To 40, Deduct	*-275.38*	
		For >40, Deduct	*-438.54*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,609.70	531.39
		For >10 To 20, Deduct	*-140.24*	
		For >20 To 40, Deduct	*-280.49*	
		For >40, Deduct	*-447.30*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,866.02	553.53
		For >10 To 20, Deduct	*-171.65*	
		For >20 To 40, Deduct	*-343.30*	
		For >40, Deduct	*-542.63*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	2,670.36	265.70
		For >10 To 20, Deduct	*-66.76*	
		For >20 To 40, Deduct	*-133.52*	
		For >40, Deduct	*-213.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	2,746.56	265.70
		For >10 To 20, Deduct	*-68.66*	
		For >20 To 40, Deduct	*-137.33*	
		For >40, Deduct	*-219.28*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	2,822.92	265.70
		For >10 To 20, Deduct	*-70.57*	
		For >20 To 40, Deduct	*-141.15*	
		For >40, Deduct	*-225.00*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,159.07	354.26
		For >10 To 20, Deduct	*-78.98*	
		For >20 To 40, Deduct	*-157.95*	
		For >40, Deduct	*-254.64*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,217.14	354.26
		For >10 To 20, Deduct	*-80.43*	
		For >20 To 40, Deduct	*-160.86*	
		For >40, Deduct	*-259.00*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,280.60	354.26
		For >10 To 20, Deduct	*-82.02*	
		For >20 To 40, Deduct	*-164.03*	
		For >40, Deduct	*-263.76*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,565.99	398.54
		For >10 To 20, Deduct	*-89.15*	
		For >20 To 40, Deduct	*-178.30*	
		For >40, Deduct	*-287.38*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,644.84	398.54
		For >10 To 20, Deduct	*-91.12*	
		For >20 To 40, Deduct	*-182.24*	
		For >40, Deduct	*-293.29*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,656.67	398.54
		For >10 To 20, Deduct	*-91.42*	
		For >20 To 40, Deduct	*-182.83*	
		For >40, Deduct	*-294.18*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,890.82	420.69
		For >10 To 20, Deduct	*-97.27*	
		For >20 To 40, Deduct	*-194.54*	
		For >40, Deduct	*-312.85*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,925.40	420.69
		For >10 To 20, Deduct	*-98.14*	
		For >20 To 40, Deduct	*-196.27*	
		For >40, Deduct	*-315.44*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,006.48	420.69
		For >10 To 20, Deduct	*-100.16*	
		For >20 To 40, Deduct	*-200.32*	
		For >40, Deduct	*-321.52*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	781.97	154.99
		For Galvanized Finish, Add	*14.16*	
		For >10 To 20, Deduct	*-26.63*	
		For >20 To 40, Deduct	*-48.54*	
		For >40, Deduct	*-101.80*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	852.40	177.13
		For Galvanized Finish, Add	*14.94*	
		For >10 To 20, Deduct	*-28.78*	
		For >20 To 40, Deduct	*-52.58*	
		For >40, Deduct	*-110.15*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	952.90	199.27
		For Galvanized Finish, Add	*16.63*	
		For >10 To 20, Deduct	*-32.14*	
		For >20 To 40, Deduct	*-58.73*	
		For >40, Deduct	*-123.01*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,056.03	221.42
		For Galvanized Finish, Add	*18.40*	
		For >10 To 20, Deduct	*-35.60*	
		For >20 To 40, Deduct	*-65.07*	
		For >40, Deduct	*-136.26*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,126.46	243.55
		For Galvanized Finish, Add	*19.18*	
		For >10 To 20, Deduct	*-37.75*	
		For >20 To 40, Deduct	*-69.11*	
		For >40, Deduct	*-144.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,190.35	265.70
		For Galvanized Finish, Add	*19.77*	
		For >10 To 20, Deduct	*-39.64*	
		For >20 To 40, Deduct	*-72.70*	
		For >40, Deduct	*-151.98*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	815.97	154.99
		For Galvanized Finish, Add	*15.18*	
		For >10 To 20, Deduct	*-27.99*	
		For >20 To 40, Deduct	*-50.92*	
		For >40, Deduct	*-106.90*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	887.70	177.13
		For Galvanized Finish, Add	*16.00*	
		For >10 To 20, Deduct	*-30.19*	
		For >20 To 40, Deduct	*-55.05*	
		For >40, Deduct	*-115.44*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,023.51	199.27
		For Galvanized Finish, Add	*18.75*	
		For >10 To 20, Deduct	*-34.96*	
		For >20 To 40, Deduct	*-63.67*	
		For >40, Deduct	*-133.60*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,101.79	221.42
		For Galvanized Finish, Add	*19.77*	
		For >10 To 20, Deduct	*-37.43*	
		For >20 To 40, Deduct	*-68.27*	
		For >40, Deduct	*-143.13*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,176.14	243.55
		For Galvanized Finish, Add	*20.67*	
		For >10 To 20, Deduct	*-39.74*	
		For >20 To 40, Deduct	*-72.59*	
		For >40, Deduct	*-152.07*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,237.42	265.70
		For Galvanized Finish, Add	*21.18*	
		For >10 To 20, Deduct	*-41.53*	
		For >20 To 40, Deduct	*-75.99*	
		For >40, Deduct	*-159.04*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,462.92	354.26
		For Galvanized Finish, Add	*22.63*	
		For >10 To 20, Deduct	*-47.89*	
		For >20 To 40, Deduct	*-88.23*	
		For >40, Deduct	*-184.01*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	815.97	154.99
		For Galvanized Finish, Add	*15.18*	
		For >10 To 20, Deduct	*-27.99*	
		For >20 To 40, Deduct	*-50.92*	
		For >40, Deduct	*-106.90*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	891.63	177.13
		For Galvanized Finish, Add	*16.12*	
		For >10 To 20, Deduct	*-30.35*	
		For >20 To 40, Deduct	*-55.33*	
		For >40, Deduct	*-116.03*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,044.43	199.27
		For Galvanized Finish, Add	*19.38*	
		For >10 To 20, Deduct	*-35.80*	
		For >20 To 40, Deduct	*-65.14*	
		For >40, Deduct	*-136.74*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,105.71	221.42
		For Galvanized Finish, Add	*19.89*	
		For >10 To 20, Deduct	*-37.59*	
		For >20 To 40, Deduct	*-68.54*	
		For >40, Deduct	*-143.72*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,176.14	243.55
		For Galvanized Finish, Add	*20.67*	
		For >10 To 20, Deduct	*-39.74*	
		For >20 To 40, Deduct	*-72.59*	
		For >40, Deduct	*-152.07*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,237.42	265.70
		For Galvanized Finish, Add	*21.18*	
		For >10 To 20, Deduct	*-41.53*	
		For >20 To 40, Deduct	*-75.99*	
		For >40, Deduct	*-159.04*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,499.53	354.26
		For Galvanized Finish, Add	*23.73*	
		For >10 To 20, Deduct	*-49.35*	
		For >20 To 40, Deduct	*-90.80*	
		For >40, Deduct	*-189.50*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,656.09	398.54
		For Galvanized Finish, Add	*25.77*	
		For >10 To 20, Deduct	*-54.29*	
		For >20 To 40, Deduct	*-99.98*	
		For >40, Deduct	*-208.56*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,321.10	265.70
		For Galvanized Finish, Add	*23.69*	
		For >10 To 20, Deduct	*-44.87*	
		For >20 To 40, Deduct	*-81.85*	
		For >40, Deduct	*-171.60*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,516.53	354.26
		For Galvanized Finish, Add	*24.24*	
		For >10 To 20, Deduct	*-50.03*	
		For >20 To 40, Deduct	*-91.99*	
		For >40, Deduct	*-192.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,688.78	398.54
		For Galvanized Finish, Add	*26.75*	
		For >10 To 20, Deduct	*-55.59*	
		For >20 To 40, Deduct	*-102.27*	
		For >40, Deduct	*-213.46*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,616.58	265.70
		For Galvanized Finish, Add	*32.56*	
		For >10 To 20, Deduct	*-56.69*	
		For >20 To 40, Deduct	*-102.53*	
		For >40, Deduct	*-215.92*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,657.11	265.70
		For Galvanized Finish, Add	*33.77*	
		For >10 To 20, Deduct	*-58.31*	
		For >20 To 40, Deduct	*-105.37*	
		For >40, Deduct	*-222.00*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,923.15	354.26
		For Galvanized Finish, Add	*36.44*	
		For >10 To 20, Deduct	*-66.30*	
		For >20 To 40, Deduct	*-120.45*	
		For >40, Deduct	*-253.05*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,006.83	354.26
		For Galvanized Finish, Add	*38.95*	
		For >10 To 20, Deduct	*-69.65*	
		For >20 To 40, Deduct	*-126.31*	
		For >40, Deduct	*-265.60*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,142.47	398.54
		For Galvanized Finish, Add	*40.36*	
		For >10 To 20, Deduct	*-73.74*	
		For >20 To 40, Deduct	*-134.03*	
		For >40, Deduct	*-281.52*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,282.36	398.54
		For Galvanized Finish, Add	*44.56*	
		For >10 To 20, Deduct	*-79.34*	
		For >20 To 40, Deduct	*-143.82*	
		For >40, Deduct	*-302.50*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,355.41	420.69
		For Galvanized Finish, Add	*45.42*	
		For >10 To 20, Deduct	*-81.60*	
		For >20 To 40, Deduct	*-148.05*	
		For >40, Deduct	*-311.24*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,441.70	420.69
		For Galvanized Finish, Add	*48.01*	
		For >10 To 20, Deduct	*-85.05*	
		For >20 To 40, Deduct	*-154.09*	
		For >40, Deduct	*-324.19*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,648.28	420.69
		For Galvanized Finish, Add	*54.21*	
		For >10 To 20, Deduct	*-93.31*	
		For >20 To 40, Deduct	*-168.55*	
		For >40, Deduct	*-355.17*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,676.87	442.83
		For Galvanized Finish, Add	*53.74*	
		For >10 To 20, Deduct	*-93.79*	
		For >20 To 40, Deduct	*-169.67*	
		For >40, Deduct	*-357.25*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,713.48	442.83
		For Galvanized Finish, Add	*54.83*	
		For >10 To 20, Deduct	*-95.25*	
		For >20 To 40, Deduct	*-172.23*	
		For >40, Deduct	*-362.74*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,683.90	575.68
		For Galvanized Finish, Add	*75.98*	
		For >10 To 20, Deduct	*-130.09*	
		For >20 To 40, Deduct	*-234.85*	
		For >40, Deduct	*-495.02*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,853.19	664.24
		For Galvanized Finish, Add	*75.74*	
		For >10 To 20, Deduct	*-134.20*	
		For >20 To 40, Deduct	*-243.15*	
		For >40, Deduct	*-511.55*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,574.27	354.26
		For Galvanized Finish, Add	*55.97*	
		For >10 To 20, Deduct	*-92.34*	
		For >20 To 40, Deduct	*-166.03*	
		For >40, Deduct	*-350.71*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,921.71	398.54
		For Galvanized Finish, Add	*63.74*	
		For >10 To 20, Deduct	*-104.91*	
		For >20 To 40, Deduct	*-188.58*	
		For >40, Deduct	*-398.40*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,381.59	442.83
		For Galvanized Finish, Add	*74.88*	
		For >10 To 20, Deduct	*-121.98*	
		For >20 To 40, Deduct	*-219.00*	
		For >40, Deduct	*-462.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,091.83	575.68
		For Galvanized Finish, Add	*88.21*	
		For >10 To 20, Deduct	*-146.40*	
		For >20 To 40, Deduct	*-263.40*	
		For >40, Deduct	*-556.21*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,773.64	664.24
		For Galvanized Finish, Add	*103.35*	
		For >10 To 20, Deduct	*-171.02*	
		For >20 To 40, Deduct	*-307.59*	
		For >40, Deduct	*-649.62*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,305.77	664.24
		For Galvanized Finish, Add	*119.32*	
		For >10 To 20, Deduct	*-192.30*	
		For >20 To 40, Deduct	*-344.83*	
		For >40, Deduct	*-729.44*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,083.92	664.24
		For Galvanized Finish, Add	*172.66*	
		For >10 To 20, Deduct	*-263.43*	
		For >20 To 40, Deduct	*-469.30*	
		For >40, Deduct	*-996.16*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,946.84	664.24
		For Galvanized Finish, Add	*198.55*	
		For >10 To 20, Deduct	*-297.95*	
		For >20 To 40, Deduct	*-529.71*	
		For >40, Deduct	*-1,125.60*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	771.51	154.99
		For Galvanized Finish, Add	*13.85*	
		For >10 To 20, Deduct	*-26.21*	
		For >20 To 40, Deduct	*-47.81*	
		For >40, Deduct	*-100.23*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	815.79	177.13
		For Galvanized Finish, Add	*13.85*	
		For >10 To 20, Deduct	*-27.32*	
		For >20 To 40, Deduct	*-50.02*	
		For >40, Deduct	*-104.66*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	882.30	199.27
		For Galvanized Finish, Add	*14.51*	
		For >10 To 20, Deduct	*-29.31*	
		For >20 To 40, Deduct	*-53.79*	
		For >40, Deduct	*-112.42*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	935.83	210.34
		For Galvanized Finish, Add	*15.45*	
		For >10 To 20, Deduct	*-31.12*	
		For >20 To 40, Deduct	*-57.09*	
		For >40, Deduct	*-119.34*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	957.97	221.42
		For Galvanized Finish, Add	*15.45*	
		For >10 To 20, Deduct	*-31.68*	
		For >20 To 40, Deduct	*-58.20*	
		For >40, Deduct	*-121.55*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,016.63	243.55
		For Galvanized Finish, Add	*15.89*	
		For >10 To 20, Deduct	*-33.36*	
		For >20 To 40, Deduct	*-61.42*	
		For >40, Deduct	*-128.14*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,072.68	265.70
		For Galvanized Finish, Add	*16.24*	
		For >10 To 20, Deduct	*-34.94*	
		For >20 To 40, Deduct	*-64.46*	
		For >40, Deduct	*-134.33*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,328.26	354.26
		For Galvanized Finish, Add	*18.59*	
		For >10 To 20, Deduct	*-42.50*	
		For >20 To 40, Deduct	*-78.81*	
		For >40, Deduct	*-163.81*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,249.19	265.70
		For Galvanized Finish, Add	*21.53*	
		For >10 To 20, Deduct	*-42.00*	
		For >20 To 40, Deduct	*-76.82*	
		For >40, Deduct	*-160.81*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,571.44	354.26
		For Galvanized Finish, Add	*25.89*	
		For >10 To 20, Deduct	*-52.23*	
		For >20 To 40, Deduct	*-95.83*	
		For >40, Deduct	*-200.29*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,802.53	398.54
		For Galvanized Finish, Add	*30.16*	
		For >10 To 20, Deduct	*-60.14*	
		For >20 To 40, Deduct	*-110.24*	
		For >40, Deduct	*-230.53*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,200.81	265.70
		For Galvanized Finish, Add	*20.08*	
		For >10 To 20, Deduct	*-40.06*	
		For >20 To 40, Deduct	*-73.43*	
		For >40, Deduct	*-153.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,477.31	354.26
		For Galvanized Finish, Add	*23.06*	
		For >10 To 20, Deduct	*-48.46*	
		For >20 To 40, Deduct	*-89.24*	
		For >40, Deduct	*-186.17*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,721.46	398.54
		For Galvanized Finish, Add	*27.73*	
		For >10 To 20, Deduct	*-56.90*	
		For >20 To 40, Deduct	*-104.56*	
		For >40, Deduct	*-218.36*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,366.86	265.70
		For Galvanized Finish, Add	*25.06*	
		For >10 To 20, Deduct	*-46.70*	
		For >20 To 40, Deduct	*-85.05*	
		For >40, Deduct	*-178.46*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,689.12	354.26
		For Galvanized Finish, Add	*29.42*	
		For >10 To 20, Deduct	*-56.94*	
		For >20 To 40, Deduct	*-104.07*	
		For >40, Deduct	*-217.94*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,913.66	398.54
		For Galvanized Finish, Add	*33.50*	
		For >10 To 20, Deduct	*-64.59*	
		For >20 To 40, Deduct	*-118.01*	
		For >40, Deduct	*-247.19*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,120.07	420.69
		For Galvanized Finish, Add	*38.36*	
		For >10 To 20, Deduct	*-72.18*	
		For >20 To 40, Deduct	*-131.58*	
		For >40, Deduct	*-275.94*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,171.23	398.54
		For Galvanized Finish, Add	*41.22*	
		For >10 To 20, Deduct	*-74.89*	
		For >20 To 40, Deduct	*-136.04*	
		For >40, Deduct	*-285.83*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,378.94	420.69
		For Galvanized Finish, Add	*46.13*	
		For >10 To 20, Deduct	*-82.54*	
		For >20 To 40, Deduct	*-149.70*	
		For >40, Deduct	*-314.77*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,516.05	442.83
		For Galvanized Finish, Add	*48.91*	
		For >10 To 20, Deduct	*-87.36*	
		For >20 To 40, Deduct	*-158.41*	
		For >40, Deduct	*-333.13*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,699.43	265.70
		For Galvanized Finish, Add	*65.04*	
		For >10 To 20, Deduct	*-100.01*	
		For >20 To 40, Deduct	*-178.33*	
		For >40, Deduct	*-378.35*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,023.97	354.26
		For Galvanized Finish, Add	*69.46*	
		For >10 To 20, Deduct	*-110.33*	
		For >20 To 40, Deduct	*-197.51*	
		For >40, Deduct	*-418.17*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,213.95	398.54
		For Galvanized Finish, Add	*102.51*	
		For >10 To 20, Deduct	*-156.60*	
		For >20 To 40, Deduct	*-279.03*	
		For >40, Deduct	*-592.24*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,752.28	265.70
		For Galvanized Finish, Add	*66.63*	
		For >10 To 20, Deduct	*-102.12*	
		For >20 To 40, Deduct	*-182.03*	
		For >40, Deduct	*-386.27*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,331.31	354.26
		For Galvanized Finish, Add	*78.68*	
		For >10 To 20, Deduct	*-122.62*	
		For >20 To 40, Deduct	*-219.02*	
		For >40, Deduct	*-464.27*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,671.47	398.54
		For Galvanized Finish, Add	*116.23*	
		For >10 To 20, Deduct	*-174.90*	
		For >20 To 40, Deduct	*-311.06*	
		For >40, Deduct	*-660.87*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,354.07	420.69
		For Galvanized Finish, Add	*135.38*	
		For >10 To 20, Deduct	*-201.54*	
		For >20 To 40, Deduct	*-357.96*	
		For >40, Deduct	*-761.04*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,284.20	442.83
		For Galvanized Finish, Add	*161.96*	
		For >10 To 20, Deduct	*-238.08*	
		For >20 To 40, Deduct	*-422.18*	
		For >40, Deduct	*-898.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,615.99	265.70
		For Galvanized Finish, Add	*62.54*	
		For >10 To 20, Deduct	*-96.67*	
		For >20 To 40, Deduct	*-172.49*	
		For >40, Deduct	*-365.83*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,890.47	354.26
		For Galvanized Finish, Add	*65.46*	
		For >10 To 20, Deduct	*-104.99*	
		For >20 To 40, Deduct	*-188.16*	
		For >40, Deduct	*-398.14*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,978.92	398.54
		For Galvanized Finish, Add	*95.45*	
		For >10 To 20, Deduct	*-147.20*	
		For >20 To 40, Deduct	*-262.58*	
		For >40, Deduct	*-556.98*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,711.95	265.70
		For Galvanized Finish, Add	*65.42*	
		For >10 To 20, Deduct	*-100.51*	
		For >20 To 40, Deduct	*-179.21*	
		For >40, Deduct	*-380.22*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,206.15	354.26
		For Galvanized Finish, Add	*74.93*	
		For >10 To 20, Deduct	*-117.62*	
		For >20 To 40, Deduct	*-210.26*	
		For >40, Deduct	*-445.50*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	4,497.64	398.54
		For Galvanized Finish, Add	*111.02*	
		For >10 To 20, Deduct	*-167.95*	
		For >20 To 40, Deduct	*-298.89*	
		For >40, Deduct	*-634.79*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,859.36	265.70
		For Galvanized Finish, Add	*69.84*	
		For >10 To 20, Deduct	*-106.40*	
		For >20 To 40, Deduct	*-189.53*	
		For >40, Deduct	*-402.33*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,471.77	354.26
		For Galvanized Finish, Add	*82.90*	
		For >10 To 20, Deduct	*-128.24*	
		For >20 To 40, Deduct	*-228.85*	
		For >40, Deduct	*-485.34*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,810.54	398.54
		For Galvanized Finish, Add	*120.40*	
		For >10 To 20, Deduct	*-180.47*	
		For >20 To 40, Deduct	*-320.80*	
		For >40, Deduct	*-681.73*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,523.73	420.69
		For Galvanized Finish, Add	*140.47*	
		For >10 To 20, Deduct	*-208.33*	
		For >20 To 40, Deduct	*-369.83*	
		For >40, Deduct	*-786.49*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,374.59	442.83
		For Galvanized Finish, Add	*164.67*	
		For >10 To 20, Deduct	*-241.70*	
		For >20 To 40, Deduct	*-428.51*	
		For >40, Deduct	*-911.91*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,057.20	265.70
		For Galvanized Finish, Add	*45.77*	
		For >10 To 20, Deduct	*-74.32*	
		For >20 To 40, Deduct	*-133.38*	
		For >40, Deduct	*-282.01*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,503.66	354.26
		For Galvanized Finish, Add	*53.85*	
		For >10 To 20, Deduct	*-89.52*	
		For >20 To 40, Deduct	*-161.09*	
		For >40, Deduct	*-340.12*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,787.04	398.54
		For Galvanized Finish, Add	*59.70*	
		For >10 To 20, Deduct	*-99.53*	
		For >20 To 40, Deduct	*-179.15*	
		For >40, Deduct	*-378.20*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,088.89	420.69
		For Galvanized Finish, Add	*67.43*	
		For >10 To 20, Deduct	*-110.94*	
		For >20 To 40, Deduct	*-199.39*	
		For >40, Deduct	*-421.27*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,256.07	442.83
		For Galvanized Finish, Add	*71.11*	
		For >10 To 20, Deduct	*-116.96*	
		For >20 To 40, Deduct	*-210.21*	
		For >40, Deduct	*-444.13*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,644.25	265.70
		For Galvanized Finish, Add	*63.39*	
		For >10 To 20, Deduct	*-97.80*	
		For >20 To 40, Deduct	*-174.47*	
		For >40, Deduct	*-370.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,963.89	354.26
		For Galvanized Finish, Add	*67.66*	
		For >10 To 20, Deduct	*-107.93*	
		For >20 To 40, Deduct	*-193.30*	
		For >40, Deduct	*-409.16*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,163.59	398.54
		For Galvanized Finish, Add	*71.00*	
		For >10 To 20, Deduct	*-114.59*	
		For >20 To 40, Deduct	*-205.51*	
		For >40, Deduct	*-434.68*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,508.76	398.54
		For Galvanized Finish, Add	*81.35*	
		For >10 To 20, Deduct	*-128.39*	
		For >20 To 40, Deduct	*-229.67*	
		For >40, Deduct	*-486.46*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,801.46	420.69
		For Galvanized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-139.44*	
		For >20 To 40, Deduct	*-249.27*	
		For >40, Deduct	*-528.15*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,229.00	420.69
		For Galvanized Finish, Add	*101.63*	
		For >10 To 20, Deduct	*-156.54*	
		For >20 To 40, Deduct	*-279.20*	
		For >40, Deduct	*-592.28*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,865.35	442.83
		For Galvanized Finish, Add	*89.39*	
		For >10 To 20, Deduct	*-141.33*	
		For >20 To 40, Deduct	*-252.86*	
		For >40, Deduct	*-535.52*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,917.86	442.83
		For Galvanized Finish, Add	*120.97*	
		For >10 To 20, Deduct	*-183.43*	
		For >20 To 40, Deduct	*-326.54*	
		For >40, Deduct	*-693.40*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,574.28	575.68
		For Galvanized Finish, Add	*102.69*	
		For >10 To 20, Deduct	*-165.70*	
		For >20 To 40, Deduct	*-297.17*	
		For >40, Deduct	*-628.57*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,292.08	575.68
		For Galvanized Finish, Add	*124.22*	
		For >10 To 20, Deduct	*-194.41*	
		For >20 To 40, Deduct	*-347.42*	
		For >40, Deduct	*-736.24*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,505.81	664.24
		For Galvanized Finish, Add	*125.32*	
		For >10 To 20, Deduct	*-200.31*	
		For >20 To 40, Deduct	*-358.84*	
		For >40, Deduct	*-759.45*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	46.36
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	68.94
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	70.13

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	635.41	132.84
		For Bronze Or Satin Anodized Finish, Add	*36.97*	
		For Black Anodized Finish, Add	*73.94*	
		For >10 To 20, Deduct	*-21.43*	
		For >20 To 40, Deduct	*-39.16*	
		For >40, Deduct	*-82.03*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	698.65	154.99
		For Bronze Or Satin Anodized Finish, Add	*38.87*	
		For Black Anodized Finish, Add	*77.73*	
		For >10 To 20, Deduct	*-23.30*	
		For >20 To 40, Deduct	*-42.71*	
		For >40, Deduct	*-89.30*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	766.63	177.13
		For Bronze Or Satin Anodized Finish, Add	*41.24*	
		For Black Anodized Finish, Add	*82.47*	
		For >10 To 20, Deduct	*-25.35*	
		For >20 To 40, Deduct	*-46.58*	
		For >40, Deduct	*-97.28*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	835.56	199.27
		For Bronze Or Satin Anodized Finish, Add	*43.70*	
		For Black Anodized Finish, Add	*87.40*	
		For >10 To 20, Deduct	*-27.44*	
		For >20 To 40, Deduct	*-50.52*	
		For >40, Deduct	*-105.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	873.82	210.34
		For Bronze Or Satin Anodized Finish, Add	*45.31*	
		For Black Anodized Finish, Add	*90.63*	
		For >10 To 20, Deduct	*-28.64*	
		For >20 To 40, Deduct	*-52.75*	
		For >40, Deduct	*-110.04*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	911.13	221.42
		For Bronze Or Satin Anodized Finish, Add	*46.83*	
		For Black Anodized Finish, Add	*93.66*	
		For >10 To 20, Deduct	*-29.80*	
		For >20 To 40, Deduct	*-54.92*	
		For >40, Deduct	*-114.53*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	968.01	221.42
		For Bronze Or Satin Anodized Finish, Add	*52.52*	
		For Black Anodized Finish, Add	*105.04*	
		For >10 To 20, Deduct	*-32.08*	
		For >20 To 40, Deduct	*-58.90*	
		For >40, Deduct	*-123.06*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,048.31	243.55
		For Bronze Or Satin Anodized Finish, Add	*56.12*	
		For Black Anodized Finish, Add	*112.24*	
		For >10 To 20, Deduct	*-34.63*	
		For >20 To 40, Deduct	*-63.64*	
		For >40, Deduct	*-132.89*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,122.93	265.70
		For Bronze Or Satin Anodized Finish, Add	*59.15*	
		For Black Anodized Finish, Add	*118.31*	
		For >10 To 20, Deduct	*-36.95*	
		For >20 To 40, Deduct	*-67.98*	
		For >40, Deduct	*-141.87*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,083.33	210.34
		For Bronze Or Satin Anodized Finish, Add	*66.26*	
		For Black Anodized Finish, Add	*132.53*	
		For >10 To 20, Deduct	*-37.02*	
		For >20 To 40, Deduct	*-67.42*	
		For >40, Deduct	*-141.47*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,332.43	265.70
		For Bronze Or Satin Anodized Finish, Add	*80.10*	
		For Black Anodized Finish, Add	*160.21*	
		For >10 To 20, Deduct	*-45.33*	
		For >20 To 40, Deduct	*-82.64*	
		For >40, Deduct	*-173.30*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,438.61	265.70
		For Bronze Or Satin Anodized Finish, Add	*90.72*	
		For Black Anodized Finish, Add	*181.44*	
		For >10 To 20, Deduct	*-49.57*	
		For >20 To 40, Deduct	*-90.07*	
		For >40, Deduct	*-189.22*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,715.27	354.26
		For Bronze Or Satin Anodized Finish, Add	*100.68*	
		For Black Anodized Finish, Add	*201.35*	
		For >10 To 20, Deduct	*-57.98*	
		For >20 To 40, Deduct	*-105.90*	
		For >40, Deduct	*-221.86*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,992.49	398.54
		For Bronze Or Satin Anodized Finish, Add	*119.54*	
		For Black Anodized Finish, Add	*239.08*	
		For >10 To 20, Deduct	*-67.74*	
		For >20 To 40, Deduct	*-123.53*	
		For >40, Deduct	*-259.02*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,188.34	265.70
		For Bronze Or Satin Anodized Finish, Add	*65.70*	
		For Black Anodized Finish, Add	*131.39*	
		For >10 To 20, Deduct	*-39.56*	
		For >20 To 40, Deduct	*-72.56*	
		For >40, Deduct	*-151.68*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,430.07	265.70
		For Bronze Or Satin Anodized Finish, Add	*89.87*	
		For Black Anodized Finish, Add	*179.74*	
		For >10 To 20, Deduct	*-49.23*	
		For >20 To 40, Deduct	*-89.48*	
		For >40, Deduct	*-187.94*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,700.11	354.26
		For Bronze Or Satin Anodized Finish, Add	*99.16*	
		For Black Anodized Finish, Add	*198.32*	
		For >10 To 20, Deduct	*-57.38*	
		For >20 To 40, Deduct	*-104.84*	
		For >40, Deduct	*-219.59*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,837.56	354.26
		For Bronze Or Satin Anodized Finish, Add	*112.90*	
		For Black Anodized Finish, Add	*225.81*	
		For >10 To 20, Deduct	*-62.87*	
		For >20 To 40, Deduct	*-114.46*	
		For >40, Deduct	*-240.21*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,147.96	398.54
		For Bronze Or Satin Anodized Finish, Add	*135.09*	
		For Black Anodized Finish, Add	*270.17*	
		For >10 To 20, Deduct	*-73.96*	
		For >20 To 40, Deduct	*-134.42*	
		For >40, Deduct	*-282.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0316		Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*		
26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	732.11	132.84
		For Bronze, Satin Or Black Anodized Finish, Add	*69.96*	
		For >10 To 20, Deduct	*-25.30*	
		For >20 To 40, Deduct	*-45.93*	
		For >40, Deduct	*-96.53*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	814.31	154.99
		For Bronze, Satin Or Black Anodized Finish, Add	*75.65*	
		For >10 To 20, Deduct	*-27.92*	
		For >20 To 40, Deduct	*-50.80*	
		For >40, Deduct	*-106.65*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	892.71	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*80.77*	
		For >10 To 20, Deduct	*-30.39*	
		For >20 To 40, Deduct	*-55.40*	
		For >40, Deduct	*-116.19*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	953.11	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*83.19*	
		For >10 To 20, Deduct	*-32.15*	
		For >20 To 40, Deduct	*-58.75*	
		For >40, Deduct	*-123.04*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,024.89	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*87.31*	
		For >10 To 20, Deduct	*-34.35*	
		For >20 To 40, Deduct	*-62.89*	
		For >40, Deduct	*-131.59*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	834.21	154.99
		For Bronze, Satin Or Black Anodized Finish, Add	*78.63*	
		For >10 To 20, Deduct	*-28.72*	
		For >20 To 40, Deduct	*-52.20*	
		For >40, Deduct	*-109.63*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	910.72	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*83.47*	
		For >10 To 20, Deduct	*-31.11*	
		For >20 To 40, Deduct	*-56.67*	
		For >40, Deduct	*-118.90*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	990.08	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*88.73*	
		For >10 To 20, Deduct	*-33.63*	
		For >20 To 40, Deduct	*-61.33*	
		For >40, Deduct	*-128.59*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,068.50	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*93.85*	
		For >10 To 20, Deduct	*-36.10*	
		For >20 To 40, Deduct	*-65.94*	
		For >40, Deduct	*-138.13*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,151.64	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*99.68*	
		For >10 To 20, Deduct	*-38.76*	
		For >20 To 40, Deduct	*-70.87*	
		For >40, Deduct	*-148.39*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,229.10	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*104.66*	
		For >10 To 20, Deduct	*-41.19*	
		For >20 To 40, Deduct	*-75.41*	
		For >40, Deduct	*-157.80*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	947.70	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*89.02*	
		For >10 To 20, Deduct	*-32.59*	
		For >20 To 40, Deduct	*-59.25*	
		For >40, Deduct	*-124.44*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,033.69	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*95.27*	
		For >10 To 20, Deduct	*-35.37*	
		For >20 To 40, Deduct	*-64.39*	
		For >40, Deduct	*-135.13*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,118.74	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*101.39*	
		For >10 To 20, Deduct	*-38.11*	
		For >20 To 40, Deduct	*-69.46*	
		For >40, Deduct	*-145.67*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,205.68	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*107.79*	
		For >10 To 20, Deduct	*-40.92*	
		For >20 To 40, Deduct	*-74.66*	
		For >40, Deduct	*-156.50*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,171.83	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*109.35*	
		For >10 To 20, Deduct	*-40.23*	
		For >20 To 40, Deduct	*-73.17*	
		For >40, Deduct	*-153.63*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,353.29	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*123.29*	
		For >10 To 20, Deduct	*-46.16*	
		For >20 To 40, Deduct	*-84.10*	
		For >40, Deduct	*-176.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	982.77	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*94.28*	
		For >10 To 20, Deduct	*-34.00*	
		For >20 To 40, Deduct	*-61.71*	
		For >40, Deduct	*-129.70*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,079.19	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*102.10*	
		For >10 To 20, Deduct	*-37.19*	
		For >20 To 40, Deduct	*-67.57*	
		For >40, Deduct	*-141.95*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,166.14	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*108.50*	
		For >10 To 20, Deduct	*-40.00*	
		For >20 To 40, Deduct	*-72.77*	
		For >40, Deduct	*-152.78*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,258.77	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*115.75*	
		For >10 To 20, Deduct	*-43.04*	
		For >20 To 40, Deduct	*-78.37*	
		For >40, Deduct	*-164.46*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,348.55	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*122.57*	
		For >10 To 20, Deduct	*-45.97*	
		For >20 To 40, Deduct	*-83.77*	
		For >40, Deduct	*-175.71*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,235.34	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*118.88*	
		For >10 To 20, Deduct	*-42.77*	
		For >20 To 40, Deduct	*-77.62*	
		For >40, Deduct	*-163.16*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,336.50	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*127.41*	
		For >10 To 20, Deduct	*-46.15*	
		For >20 To 40, Deduct	*-83.81*	
		For >40, Deduct	*-176.12*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,377.94	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*126.98*	
		For >10 To 20, Deduct	*-47.15*	
		For >20 To 40, Deduct	*-85.83*	
		For >40, Deduct	*-180.12*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	570.28	110.71
		For Bronze Or Satin Anodized Finish, Add	*34.89*	
		For Black Anodized Finish, Add	*69.77*	
		For >10 To 20, Deduct	*-19.49*	
		For >20 To 40, Deduct	*-35.49*	
		For >40, Deduct	*-74.47*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	610.42	121.78
		For Bronze Or Satin Anodized Finish, Add	*36.69*	
		For Black Anodized Finish, Add	*73.37*	
		For >10 To 20, Deduct	*-20.76*	
		For >20 To 40, Deduct	*-37.86*	
		For >40, Deduct	*-79.39*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	675.23	132.84
		For Bronze Or Satin Anodized Finish, Add	*40.95*	
		For Black Anodized Finish, Add	*81.91*	
		For >10 To 20, Deduct	*-23.02*	
		For >20 To 40, Deduct	*-41.95*	
		For >40, Deduct	*-88.00*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	697.03	132.84
		For Bronze Or Satin Anodized Finish, Add	*43.13*	
		For Black Anodized Finish, Add	*86.27*	
		For >10 To 20, Deduct	*-23.90*	
		For >20 To 40, Deduct	*-43.48*	
		For >40, Deduct	*-91.27*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	724.52	132.84
		For Bronze Or Satin Anodized Finish, Add	*45.88*	
		For Black Anodized Finish, Add	*91.76*	
		For >10 To 20, Deduct	*-25.00*	
		For >20 To 40, Deduct	*-45.40*	
		For >40, Deduct	*-95.39*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	830.07	143.92
		For Bronze Or Satin Anodized Finish, Add	*54.22*	
		For Black Anodized Finish, Add	*108.45*	
		For >10 To 20, Deduct	*-28.89*	
		For >20 To 40, Deduct	*-52.35*	
		For >40, Deduct	*-110.12*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	887.30	154.99
		For Bronze Or Satin Anodized Finish, Add	*57.73*	
		For Black Anodized Finish, Add	*115.46*	
		For >10 To 20, Deduct	*-30.84*	
		For >20 To 40, Deduct	*-55.91*	
		For >40, Deduct	*-117.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,034.24	154.99
		For Bronze Or Satin Anodized Finish, Add	*72.43*	
		For Black Anodized Finish, Add	*144.85*	
		For >10 To 20, Deduct	*-36.72*	
		For >20 To 40, Deduct	*-66.20*	
		For >40, Deduct	*-139.64*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,267.16	177.13
		For Bronze Or Satin Anodized Finish, Add	*91.29*	
		For Black Anodized Finish, Add	*182.58*	
		For >10 To 20, Deduct	*-45.37*	
		For >20 To 40, Deduct	*-81.62*	
		For >40, Deduct	*-172.36*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,438.47	199.27
		For Bronze Or Satin Anodized Finish, Add	*103.99*	
		For Black Anodized Finish, Add	*207.99*	
		For >10 To 20, Deduct	*-51.56*	
		For >20 To 40, Deduct	*-92.72*	
		For >40, Deduct	*-195.84*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,611.95	199.27
		For Bronze Or Satin Anodized Finish, Add	*121.34*	
		For Black Anodized Finish, Add	*242.68*	
		For >10 To 20, Deduct	*-58.50*	
		For >20 To 40, Deduct	*-104.87*	
		For >40, Deduct	*-221.87*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	533.98	132.84
		For Bronze Or Satin Anodized Finish, Add	*26.83*	
		For Black Anodized Finish, Add	*53.66*	
		For >10 To 20, Deduct	*-17.37*	
		For >20 To 40, Deduct	*-32.06*	
		For >40, Deduct	*-66.81*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	600.06	154.99
		For Bronze Or Satin Anodized Finish, Add	*29.01*	
		For Black Anodized Finish, Add	*58.02*	
		For >10 To 20, Deduct	*-19.35*	
		For >20 To 40, Deduct	*-35.80*	
		For >40, Deduct	*-74.51*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	666.15	177.13
		For Bronze Or Satin Anodized Finish, Add	*31.19*	
		For Black Anodized Finish, Add	*62.38*	
		For >10 To 20, Deduct	*-21.33*	
		For >20 To 40, Deduct	*-39.55*	
		For >40, Deduct	*-82.21*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	740.76	199.27
		For Bronze Or Satin Anodized Finish, Add	*34.22*	
		For Black Anodized Finish, Add	*68.44*	
		For >10 To 20, Deduct	*-23.65*	
		For >20 To 40, Deduct	*-43.88*	
		For >40, Deduct	*-91.19*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	814.44	221.42
		For Bronze Or Satin Anodized Finish, Add	*37.16*	
		For Black Anodized Finish, Add	*74.32*	
		For >10 To 20, Deduct	*-25.94*	
		For >20 To 40, Deduct	*-48.15*	
		For >40, Deduct	*-100.02*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	624.71	154.99
		For Bronze Or Satin Anodized Finish, Add	*31.47*	
		For Black Anodized Finish, Add	*62.95*	
		For >10 To 20, Deduct	*-20.34*	
		For >20 To 40, Deduct	*-37.53*	
		For >40, Deduct	*-78.21*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	705.01	177.13
		For Bronze Or Satin Anodized Finish, Add	*35.08*	
		For Black Anodized Finish, Add	*70.15*	
		For >10 To 20, Deduct	*-22.89*	
		For >20 To 40, Deduct	*-42.27*	
		For >40, Deduct	*-88.04*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	782.47	199.27
		For Bronze Or Satin Anodized Finish, Add	*38.39*	
		For Black Anodized Finish, Add	*76.79*	
		For >10 To 20, Deduct	*-25.32*	
		For >20 To 40, Deduct	*-46.80*	
		For >40, Deduct	*-97.44*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	930.76	243.55
		For Bronze Or Satin Anodized Finish, Add	*44.37*	
		For Black Anodized Finish, Add	*88.73*	
		For >10 To 20, Deduct	*-29.92*	
		For >20 To 40, Deduct	*-55.41*	
		For >40, Deduct	*-115.26*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	998.74	265.70
		For Bronze Or Satin Anodized Finish, Add	*46.74*	
		For Black Anodized Finish, Add	*93.47*	
		For >10 To 20, Deduct	*-31.98*	
		For >20 To 40, Deduct	*-59.28*	
		For >40, Deduct	*-123.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	740.09	177.13
		For Bronze Or Satin Anodized Finish, Add	*38.58*	
		For Black Anodized Finish, Add	*77.17*	
		For >10 To 20, Deduct	*-24.29*	
		For >20 To 40, Deduct	*-44.72*	
		For >40, Deduct	*-93.30*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	823.24	199.27
		For Bronze Or Satin Anodized Finish, Add	*42.47*	
		For Black Anodized Finish, Add	*84.94*	
		For >10 To 20, Deduct	*-26.95*	
		For >20 To 40, Deduct	*-49.66*	
		For >40, Deduct	*-103.56*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	913.03	221.42
		For Bronze Or Satin Anodized Finish, Add	*47.02*	
		For Black Anodized Finish, Add	*94.04*	
		For >10 To 20, Deduct	*-29.88*	
		For >20 To 40, Deduct	*-55.06*	
		For >40, Deduct	*-114.81*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	985.75	243.55
		For Bronze Or Satin Anodized Finish, Add	*49.86*	
		For Black Anodized Finish, Add	*99.73*	
		For >10 To 20, Deduct	*-32.12*	
		For >20 To 40, Deduct	*-59.26*	
		For >40, Deduct	*-123.51*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,071.74	265.70
		For Bronze Or Satin Anodized Finish, Add	*54.04*	
		For Black Anodized Finish, Add	*108.07*	
		For >10 To 20, Deduct	*-34.90*	
		For >20 To 40, Deduct	*-64.39*	
		For >40, Deduct	*-134.19*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,005.93	221.42
		For Bronze Or Satin Anodized Finish, Add	*56.31*	
		For Black Anodized Finish, Add	*112.62*	
		For >10 To 20, Deduct	*-33.59*	
		For >20 To 40, Deduct	*-61.56*	
		For >40, Deduct	*-128.75*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,104.25	243.55
		For Bronze Or Satin Anodized Finish, Add	*61.71*	
		For Black Anodized Finish, Add	*123.43*	
		For >10 To 20, Deduct	*-36.86*	
		For >20 To 40, Deduct	*-67.56*	
		For >40, Deduct	*-141.28*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,163.69	265.70
		For Bronze Or Satin Anodized Finish, Add	*63.23*	
		For Black Anodized Finish, Add	*126.46*	
		For >10 To 20, Deduct	*-38.58*	
		For >20 To 40, Deduct	*-70.83*	
		For >40, Deduct	*-147.98*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,336.63	309.98
		For Bronze Or Satin Anodized Finish, Add	*71.67*	
		For Black Anodized Finish, Add	*143.33*	
		For >10 To 20, Deduct	*-44.17*	
		For >20 To 40, Deduct	*-81.16*	
		For >40, Deduct	*-169.50*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,515.25	354.26
		For Bronze Or Satin Anodized Finish, Add	*80.67*	
		For Black Anodized Finish, Add	*161.35*	
		For >10 To 20, Deduct	*-49.98*	
		For >20 To 40, Deduct	*-91.90*	
		For >40, Deduct	*-191.86*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,197.15	243.55
		For Bronze Or Satin Anodized Finish, Add	*71.00*	
		For Black Anodized Finish, Add	*142.01*	
		For >10 To 20, Deduct	*-40.58*	
		For >20 To 40, Deduct	*-74.06*	
		For >40, Deduct	*-155.22*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,276.50	265.70
		For Bronze Or Satin Anodized Finish, Add	*74.51*	
		For Black Anodized Finish, Add	*149.02*	
		For >10 To 20, Deduct	*-43.09*	
		For >20 To 40, Deduct	*-78.73*	
		For >40, Deduct	*-164.91*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,425.74	309.98
		For Bronze Or Satin Anodized Finish, Add	*80.58*	
		For Black Anodized Finish, Add	*161.16*	
		For >10 To 20, Deduct	*-47.73*	
		For >20 To 40, Deduct	*-87.40*	
		For >40, Deduct	*-182.86*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,583.51	354.26
		For Bronze Or Satin Anodized Finish, Add	*87.50*	
		For Black Anodized Finish, Add	*175.00*	
		For >10 To 20, Deduct	*-52.71*	
		For >20 To 40, Deduct	*-96.68*	
		For >40, Deduct	*-202.10*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,704.58	376.40
		For Bronze Or Satin Anodized Finish, Add	*95.18*	
		For Black Anodized Finish, Add	*190.35*	
		For >10 To 20, Deduct	*-56.89*	
		For >20 To 40, Deduct	*-104.26*	
		For >40, Deduct	*-218.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,827.54	398.54
		For Bronze Or Satin Anodized Finish, Add	*103.05*	
		For Black Anodized Finish, Add	*206.09*	
		For >10 To 20, Deduct	*-61.15*	
		For >20 To 40, Deduct	*-111.99*	
		For >40, Deduct	*-234.28*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,513.91	309.98
		For Bronze Or Satin Anodized Finish, Add	*89.40*	
		For Black Anodized Finish, Add	*178.79*	
		For >10 To 20, Deduct	*-51.26*	
		For >20 To 40, Deduct	*-93.57*	
		For >40, Deduct	*-196.09*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,642.28	354.26
		For Bronze Or Satin Anodized Finish, Add	*93.38*	
		For Black Anodized Finish, Add	*186.75*	
		For >10 To 20, Deduct	*-55.06*	
		For >20 To 40, Deduct	*-100.79*	
		For >40, Deduct	*-210.92*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,768.10	376.40
		For Bronze Or Satin Anodized Finish, Add	*101.53*	
		For Black Anodized Finish, Add	*203.06*	
		For >10 To 20, Deduct	*-59.43*	
		For >20 To 40, Deduct	*-108.71*	
		For >40, Deduct	*-227.57*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,926.13	398.54
		For Bronze Or Satin Anodized Finish, Add	*112.90*	
		For Black Anodized Finish, Add	*225.81*	
		For >10 To 20, Deduct	*-65.09*	
		For >20 To 40, Deduct	*-118.89*	
		For >40, Deduct	*-249.07*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,990.93	409.61
		For Bronze Or Satin Anodized Finish, Add	*117.17*	
		For Black Anodized Finish, Add	*234.34*	
		For >10 To 20, Deduct	*-67.35*	
		For >20 To 40, Deduct	*-122.98*	
		For >40, Deduct	*-257.68*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,127.78	420.69
		For Bronze Or Satin Anodized Finish, Add	*128.64*	
		For Black Anodized Finish, Add	*257.28*	
		For >10 To 20, Deduct	*-72.49*	
		For >20 To 40, Deduct	*-132.12*	
		For >40, Deduct	*-277.10*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	778.96	177.13
		For Bronze Or Satin Anodized Finish, Add	*42.47*	
		For Black Anodized Finish, Add	*84.94*	
		For >10 To 20, Deduct	*-25.84*	
		For >20 To 40, Deduct	*-47.44*	
		For >40, Deduct	*-99.13*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	868.74	199.27
		For Bronze Or Satin Anodized Finish, Add	*47.02*	
		For Black Anodized Finish, Add	*94.04*	
		For >10 To 20, Deduct	*-28.77*	
		For >20 To 40, Deduct	*-52.84*	
		For >40, Deduct	*-110.38*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	962.32	221.42
		For Bronze Or Satin Anodized Finish, Add	*51.95*	
		For Black Anodized Finish, Add	*103.90*	
		For >10 To 20, Deduct	*-31.85*	
		For >20 To 40, Deduct	*-58.51*	
		For >40, Deduct	*-122.21*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,045.47	243.55
		For Bronze Or Satin Anodized Finish, Add	*55.84*	
		For Black Anodized Finish, Add	*111.67*	
		For >10 To 20, Deduct	*-34.51*	
		For >20 To 40, Deduct	*-63.44*	
		For >40, Deduct	*-132.47*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,127.67	265.70
		For Bronze Or Satin Anodized Finish, Add	*59.63*	
		For Black Anodized Finish, Add	*119.26*	
		For >10 To 20, Deduct	*-37.14*	
		For >20 To 40, Deduct	*-68.31*	
		For >40, Deduct	*-142.58*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,065.65	221.42
		For Bronze Or Satin Anodized Finish, Add	*62.28*	
		For Black Anodized Finish, Add	*124.56*	
		For >10 To 20, Deduct	*-35.98*	
		For >20 To 40, Deduct	*-65.74*	
		For >40, Deduct	*-137.71*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,166.81	243.55
		For Bronze Or Satin Anodized Finish, Add	*67.97*	
		For Black Anodized Finish, Add	*135.94*	
		For >10 To 20, Deduct	*-39.37*	
		For >20 To 40, Deduct	*-71.93*	
		For >40, Deduct	*-150.67*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,238.58	265.70
		For Bronze Or Satin Anodized Finish, Add	*70.72*	
		For Black Anodized Finish, Add	*141.44*	
		For >10 To 20, Deduct	*-41.57*	
		For >20 To 40, Deduct	*-76.07*	
		For >40, Deduct	*-159.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,406.78	309.98
		For Bronze Or Satin Anodized Finish, Add	*78.68*	
		For Black Anodized Finish, Add	*157.36*	
		For >10 To 20, Deduct	*-46.97*	
		For >20 To 40, Deduct	*-86.08*	
		For >40, Deduct	*-180.02*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,580.66	354.26
		For Bronze Or Satin Anodized Finish, Add	*87.21*	
		For Black Anodized Finish, Add	*174.43*	
		For >10 To 20, Deduct	*-52.60*	
		For >20 To 40, Deduct	*-96.48*	
		For >40, Deduct	*-201.67*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,621.03	309.98
		For Bronze Or Satin Anodized Finish, Add	*100.11*	
		For Black Anodized Finish, Add	*200.21*	
		For >10 To 20, Deduct	*-55.54*	
		For >20 To 40, Deduct	*-101.07*	
		For >40, Deduct	*-212.16*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,784.48	354.26
		For Bronze Or Satin Anodized Finish, Add	*107.60*	
		For Black Anodized Finish, Add	*215.19*	
		For >10 To 20, Deduct	*-60.75*	
		For >20 To 40, Deduct	*-110.74*	
		For >40, Deduct	*-232.25*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,921.67	376.40
		For Bronze Or Satin Anodized Finish, Add	*116.89*	
		For Black Anodized Finish, Add	*233.77*	
		For >10 To 20, Deduct	*-65.57*	
		For >20 To 40, Deduct	*-119.46*	
		For >40, Deduct	*-250.61*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,042.74	398.54
		For Bronze Or Satin Anodized Finish, Add	*124.57*	
		For Black Anodized Finish, Add	*249.13*	
		For >10 To 20, Deduct	*-69.75*	
		For >20 To 40, Deduct	*-127.05*	
		For >40, Deduct	*-266.56*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,156.83	409.61
		For Bronze Or Satin Anodized Finish, Add	*133.76*	
		For Black Anodized Finish, Add	*267.52*	
		For >10 To 20, Deduct	*-73.98*	
		For >20 To 40, Deduct	*-134.59*	
		For >40, Deduct	*-282.56*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,255.76	420.69
		For Bronze Or Satin Anodized Finish, Add	*141.44*	
		For Black Anodized Finish, Add	*282.88*	
		For >10 To 20, Deduct	*-77.61*	
		For >20 To 40, Deduct	*-141.08*	
		For >40, Deduct	*-296.30*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,339.51	431.76
		For Bronze Or Satin Anodized Finish, Add	*147.60*	
		For Black Anodized Finish, Add	*295.20*	
		For >10 To 20, Deduct	*-80.63*	
		For >20 To 40, Deduct	*-146.50*	
		For >40, Deduct	*-307.75*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,494.37	442.83
		For Bronze Or Satin Anodized Finish, Add	*160.87*	
		For Black Anodized Finish, Add	*321.74*	
		For >10 To 20, Deduct	*-86.49*	
		For >20 To 40, Deduct	*-156.89*	
		For >40, Deduct	*-329.87*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,331.20	376.40
		For Bronze Or Satin Anodized Finish, Add	*157.84*	
		For Black Anodized Finish, Add	*315.68*	
		For >10 To 20, Deduct	*-81.96*	
		For >20 To 40, Deduct	*-148.13*	
		For >40, Deduct	*-312.04*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,516.73	398.54
		For Bronze Or Satin Anodized Finish, Add	*171.96*	
		For Black Anodized Finish, Add	*343.93*	
		For >10 To 20, Deduct	*-88.71*	
		For >20 To 40, Deduct	*-160.23*	
		For >40, Deduct	*-337.66*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,649.78	409.61
		For Bronze Or Satin Anodized Finish, Add	*183.06*	
		For Black Anodized Finish, Add	*366.11*	
		For >10 To 20, Deduct	*-93.70*	
		For >20 To 40, Deduct	*-169.10*	
		For >40, Deduct	*-356.51*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,749.65	420.69
		For Bronze Or Satin Anodized Finish, Add	*190.83*	
		For Black Anodized Finish, Add	*381.66*	
		For >10 To 20, Deduct	*-97.37*	
		For >20 To 40, Deduct	*-175.65*	
		For >40, Deduct	*-370.38*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,803.08	431.76
		For Bronze Or Satin Anodized Finish, Add	*193.96*	
		For Black Anodized Finish, Add	*387.91*	
		For >10 To 20, Deduct	*-99.17*	
		For >20 To 40, Deduct	*-178.95*	
		For >40, Deduct	*-377.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,974.05	442.83
		For Bronze Or Satin Anodized Finish, Add	*208.84*	
		For Black Anodized Finish, Add	*417.68*	
		For >10 To 20, Deduct	*-105.68*	
		For >20 To 40, Deduct	*-190.47*	
		For >40, Deduct	*-401.83*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,201.32	376.40
		For Bronze Or Satin Anodized Finish, Add	*144.85*	
		For Black Anodized Finish, Add	*289.70*	
		For >10 To 20, Deduct	*-76.76*	
		For >20 To 40, Deduct	*-139.04*	
		For >40, Deduct	*-292.56*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,369.79	398.54
		For Bronze Or Satin Anodized Finish, Add	*157.27*	
		For Black Anodized Finish, Add	*314.54*	
		For >10 To 20, Deduct	*-82.84*	
		For >20 To 40, Deduct	*-149.94*	
		For >40, Deduct	*-315.61*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,434.59	409.61
		For Bronze Or Satin Anodized Finish, Add	*161.54*	
		For Black Anodized Finish, Add	*323.07*	
		For >10 To 20, Deduct	*-85.10*	
		For >20 To 40, Deduct	*-154.04*	
		For >40, Deduct	*-324.23*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,608.40	420.69
		For Bronze Or Satin Anodized Finish, Add	*176.70*	
		For Black Anodized Finish, Add	*353.41*	
		For >10 To 20, Deduct	*-91.72*	
		For >20 To 40, Deduct	*-165.76*	
		For >40, Deduct	*-349.19*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,691.22	431.76
		For Bronze Or Satin Anodized Finish, Add	*182.77*	
		For Black Anodized Finish, Add	*365.54*	
		For >10 To 20, Deduct	*-94.70*	
		For >20 To 40, Deduct	*-171.12*	
		For >40, Deduct	*-360.51*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,863.14	442.83
		For Bronze Or Satin Anodized Finish, Add	*197.75*	
		For Black Anodized Finish, Add	*395.50*	
		For >10 To 20, Deduct	*-101.24*	
		For >20 To 40, Deduct	*-182.71*	
		For >40, Deduct	*-385.19*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,794.76	376.40
		For Bronze Or Satin Anodized Finish, Add	*204.20*	
		For Black Anodized Finish, Add	*408.39*	
		For >10 To 20, Deduct	*-100.50*	
		For >20 To 40, Deduct	*-180.58*	
		For >40, Deduct	*-381.57*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,954.69	398.54
		For Bronze Or Satin Anodized Finish, Add	*215.76*	
		For Black Anodized Finish, Add	*431.52*	
		For >10 To 20, Deduct	*-106.23*	
		For >20 To 40, Deduct	*-190.89*	
		For >40, Deduct	*-403.35*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,089.64	409.61
		For Bronze Or Satin Anodized Finish, Add	*227.04*	
		For Black Anodized Finish, Add	*454.08*	
		For >10 To 20, Deduct	*-111.30*	
		For >20 To 40, Deduct	*-199.89*	
		For >40, Deduct	*-422.48*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,301.38	420.69
		For Bronze Or Satin Anodized Finish, Add	*246.00*	
		For Black Anodized Finish, Add	*492.00*	
		For >10 To 20, Deduct	*-119.43*	
		For >20 To 40, Deduct	*-214.27*	
		For >40, Deduct	*-453.14*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,344.37	431.76
		For Bronze Or Satin Anodized Finish, Add	*248.09*	
		For Black Anodized Finish, Add	*496.17*	
		For >10 To 20, Deduct	*-120.82*	
		For >20 To 40, Deduct	*-216.84*	
		For >40, Deduct	*-458.48*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,555.16	442.83
		For Bronze Or Satin Anodized Finish, Add	*266.95*	
		For Black Anodized Finish, Add	*533.90*	
		For >10 To 20, Deduct	*-128.92*	
		For >20 To 40, Deduct	*-231.15*	
		For >40, Deduct	*-488.99*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,436.91	664.24
		For Bronze Or Satin Anodized Finish, Add	*310.84*	
		For Black Anodized Finish, Add	*621.69*	
		For >10 To 20, Deduct	*-157.55*	
		For >20 To 40, Deduct	*-284.01*	
		For >40, Deduct	*-599.11*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,554.46	664.24
		For Bronze Or Satin Anodized Finish, Add	*322.60*	
		For Black Anodized Finish, Add	*645.20*	
		For >10 To 20, Deduct	*-162.25*	
		For >20 To 40, Deduct	*-292.24*	
		For >40, Deduct	*-616.75*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0426		Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*		
26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	737.79	132.84
		For Bronze, Satin Or Black Anodized Finish, Add	*70.81*	
		For >10 To 20, Deduct	*-25.53*	
		For >20 To 40, Deduct	*-46.33*	
		For >40, Deduct	*-97.38*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	801.98	154.99
		For Bronze, Satin Or Black Anodized Finish, Add	*73.80*	
		For >10 To 20, Deduct	*-27.43*	
		For >20 To 40, Deduct	*-49.94*	
		For >40, Deduct	*-104.80*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	867.12	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*76.93*	
		For >10 To 20, Deduct	*-29.37*	
		For >20 To 40, Deduct	*-53.61*	
		For >40, Deduct	*-112.36*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	934.15	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*80.34*	
		For >10 To 20, Deduct	*-31.39*	
		For >20 To 40, Deduct	*-57.42*	
		For >40, Deduct	*-120.20*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,000.24	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*83.61*	
		For >10 To 20, Deduct	*-33.37*	
		For >20 To 40, Deduct	*-61.16*	
		For >40, Deduct	*-127.89*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	813.36	154.99
		For Bronze, Satin Or Black Anodized Finish, Add	*75.51*	
		For >10 To 20, Deduct	*-27.88*	
		For >20 To 40, Deduct	*-50.74*	
		For >40, Deduct	*-106.51*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	880.39	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*78.92*	
		For >10 To 20, Deduct	*-29.90*	
		For >20 To 40, Deduct	*-54.54*	
		For >40, Deduct	*-114.35*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	949.32	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*82.62*	
		For >10 To 20, Deduct	*-31.99*	
		For >20 To 40, Deduct	*-58.48*	
		For >40, Deduct	*-122.47*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,017.31	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*86.17*	
		For >10 To 20, Deduct	*-34.05*	
		For >20 To 40, Deduct	*-62.36*	
		For >40, Deduct	*-130.46*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,097.61	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*91.58*	
		For >10 To 20, Deduct	*-36.60*	
		For >20 To 40, Deduct	*-67.09*	
		For >40, Deduct	*-140.29*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,169.38	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*95.70*	
		For >10 To 20, Deduct	*-38.80*	
		For >20 To 40, Deduct	*-71.23*	
		For >40, Deduct	*-148.84*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	917.36	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*84.47*	
		For >10 To 20, Deduct	*-31.38*	
		For >20 To 40, Deduct	*-57.13*	
		For >40, Deduct	*-119.89*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	991.03	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*88.87*	
		For >10 To 20, Deduct	*-33.66*	
		For >20 To 40, Deduct	*-61.40*	
		For >40, Deduct	*-128.73*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,076.08	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*94.99*	
		For >10 To 20, Deduct	*-36.40*	
		For >20 To 40, Deduct	*-66.47*	
		For >40, Deduct	*-139.27*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,151.64	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*99.68*	
		For >10 To 20, Deduct	*-38.76*	
		For >20 To 40, Deduct	*-70.87*	
		For >40, Deduct	*-148.39*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,239.53	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*106.22*	
		For >10 To 20, Deduct	*-41.61*	
		For >20 To 40, Deduct	*-76.14*	
		For >40, Deduct	*-159.36*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,130.12	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*103.09*	
		For >10 To 20, Deduct	*-38.56*	
		For >20 To 40, Deduct	*-70.25*	
		For >40, Deduct	*-147.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,224.64	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*110.63*	
		For >10 To 20, Deduct	*-41.68*	
		For >20 To 40, Deduct	*-75.98*	
		For >40, Deduct	*-159.34*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,298.31	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*115.04*	
		For >10 To 20, Deduct	*-43.96*	
		For >20 To 40, Deduct	*-80.25*	
		For >40, Deduct	*-168.18*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	946.75	177.13
		For Bronze, Satin Or Black Anodized Finish, Add	*88.87*	
		For >10 To 20, Deduct	*-32.56*	
		For >20 To 40, Deduct	*-59.19*	
		For >40, Deduct	*-124.30*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,035.58	199.27
		For Bronze, Satin Or Black Anodized Finish, Add	*95.56*	
		For >10 To 20, Deduct	*-35.45*	
		For >20 To 40, Deduct	*-64.52*	
		For >40, Deduct	*-135.41*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,130.12	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*103.09*	
		For >10 To 20, Deduct	*-38.56*	
		For >20 To 40, Deduct	*-70.25*	
		For >40, Deduct	*-147.38*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,213.26	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*108.92*	
		For >10 To 20, Deduct	*-41.22*	
		For >20 To 40, Deduct	*-75.19*	
		For >40, Deduct	*-157.63*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,303.05	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*115.75*	
		For >10 To 20, Deduct	*-44.15*	
		For >20 To 40, Deduct	*-80.59*	
		For >40, Deduct	*-168.89*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,191.73	221.42
		For Bronze, Satin Or Black Anodized Finish, Add	*112.34*	
		For >10 To 20, Deduct	*-41.03*	
		For >20 To 40, Deduct	*-74.56*	
		For >40, Deduct	*-156.62*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,293.84	243.55
		For Bronze, Satin Or Black Anodized Finish, Add	*121.01*	
		For >10 To 20, Deduct	*-44.45*	
		For >20 To 40, Deduct	*-80.83*	
		For >40, Deduct	*-169.72*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,372.25	265.70
		For Bronze, Satin Or Black Anodized Finish, Add	*126.13*	
		For >10 To 20, Deduct	*-46.92*	
		For >20 To 40, Deduct	*-85.43*	
		For >40, Deduct	*-179.27*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	502.02	110.71
		For Bronze Or Satin Anodized Finish, Add	*28.06*	
		For Black Anodized Finish, Add	*56.12*	
		For >10 To 20, Deduct	*-16.76*	
		For >20 To 40, Deduct	*-30.71*	
		For >40, Deduct	*-64.23*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	528.57	110.71
		For Bronze Or Satin Anodized Finish, Add	*30.72*	
		For Black Anodized Finish, Add	*61.43*	
		For >10 To 20, Deduct	*-17.82*	
		For >20 To 40, Deduct	*-32.57*	
		For >40, Deduct	*-68.21*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	572.50	121.78
		For Bronze Or Satin Anodized Finish, Add	*32.90*	
		For Black Anodized Finish, Add	*65.79*	
		For >10 To 20, Deduct	*-19.25*	
		For >20 To 40, Deduct	*-35.20*	
		For >40, Deduct	*-73.70*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	609.82	132.84
		For Bronze Or Satin Anodized Finish, Add	*34.41*	
		For Black Anodized Finish, Add	*68.82*	
		For >10 To 20, Deduct	*-20.41*	
		For >20 To 40, Deduct	*-37.37*	
		For >40, Deduct	*-78.19*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	643.94	132.84
		For Bronze Or Satin Anodized Finish, Add	*37.82*	
		For Black Anodized Finish, Add	*75.65*	
		For >10 To 20, Deduct	*-21.77*	
		For >20 To 40, Deduct	*-39.76*	
		For >40, Deduct	*-83.31*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	598.09	121.78
		For Bronze Or Satin Anodized Finish, Add	*35.45*	
		For Black Anodized Finish, Add	*70.91*	
		For >10 To 20, Deduct	*-20.27*	
		For >20 To 40, Deduct	*-37.00*	
		For >40, Deduct	*-77.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	646.79	132.84
		For Bronze Or Satin Anodized Finish, Add	*38.11*	
		For Black Anodized Finish, Add	*76.22*	
		For >10 To 20, Deduct	*-21.89*	
		For >20 To 40, Deduct	*-39.96*	
		For >40, Deduct	*-83.73*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	665.75	132.84
		For Bronze Or Satin Anodized Finish, Add	*40.01*	
		For Black Anodized Finish, Add	*80.01*	
		For >10 To 20, Deduct	*-22.64*	
		For >20 To 40, Deduct	*-41.29*	
		For >40, Deduct	*-86.58*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	718.21	143.92
		For Bronze Or Satin Anodized Finish, Add	*43.04*	
		For Black Anodized Finish, Add	*86.08*	
		For >10 To 20, Deduct	*-24.41*	
		For >20 To 40, Deduct	*-44.52*	
		For >40, Deduct	*-93.34*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	766.91	154.99
		For Bronze Or Satin Anodized Finish, Add	*45.69*	
		For Black Anodized Finish, Add	*91.39*	
		For >10 To 20, Deduct	*-26.03*	
		For >20 To 40, Deduct	*-47.48*	
		For >40, Deduct	*-99.54*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	720.73	132.84
		For Bronze Or Satin Anodized Finish, Add	*45.50*	
		For Black Anodized Finish, Add	*91.01*	
		For >10 To 20, Deduct	*-24.84*	
		For >20 To 40, Deduct	*-45.14*	
		For >40, Deduct	*-94.82*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	778.88	143.92
		For Bronze Or Satin Anodized Finish, Add	*49.11*	
		For Black Anodized Finish, Add	*98.21*	
		For >10 To 20, Deduct	*-26.84*	
		For >20 To 40, Deduct	*-48.77*	
		For >40, Deduct	*-102.44*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	832.32	154.99
		For Bronze Or Satin Anodized Finish, Add	*52.23*	
		For Black Anodized Finish, Add	*104.47*	
		For >10 To 20, Deduct	*-28.64*	
		For >20 To 40, Deduct	*-52.06*	
		For >40, Deduct	*-109.35*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	856.62	143.92
		For Bronze Or Satin Anodized Finish, Add	*56.88*	
		For Black Anodized Finish, Add	*113.76*	
		For >10 To 20, Deduct	*-29.95*	
		For >20 To 40, Deduct	*-54.21*	
		For >40, Deduct	*-114.10*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,100.32	177.13
		For Bronze Or Satin Anodized Finish, Add	*74.61*	
		For Black Anodized Finish, Add	*149.21*	
		For >10 To 20, Deduct	*-38.70*	
		For >20 To 40, Deduct	*-69.94*	
		For >40, Deduct	*-147.34*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,207.44	177.13
		For Bronze Or Satin Anodized Finish, Add	*85.32*	
		For Black Anodized Finish, Add	*170.64*	
		For >10 To 20, Deduct	*-42.98*	
		For >20 To 40, Deduct	*-77.44*	
		For >40, Deduct	*-163.40*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,343.68	199.27
		For Bronze Or Satin Anodized Finish, Add	*94.51*	
		For Black Anodized Finish, Add	*189.03*	
		For >10 To 20, Deduct	*-47.77*	
		For >20 To 40, Deduct	*-86.09*	
		For >40, Deduct	*-181.63*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,460.28	199.27
		For Bronze Or Satin Anodized Finish, Add	*106.17*	
		For Black Anodized Finish, Add	*212.35*	
		For >10 To 20, Deduct	*-52.43*	
		For >20 To 40, Deduct	*-94.25*	
		For >40, Deduct	*-199.12*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	657.22	132.84
		For Bronze Or Satin Anodized Finish, Add	*39.15*	
		For Black Anodized Finish, Add	*78.30*	
		For >10 To 20, Deduct	*-22.30*	
		For >20 To 40, Deduct	*-40.69*	
		For >40, Deduct	*-85.30*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	721.40	154.99
		For Bronze Or Satin Anodized Finish, Add	*41.14*	
		For Black Anodized Finish, Add	*82.28*	
		For >10 To 20, Deduct	*-24.21*	
		For >20 To 40, Deduct	*-44.30*	
		For >40, Deduct	*-92.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	793.17	177.13
		For Bronze Or Satin Anodized Finish, Add	*43.89*	
		For Black Anodized Finish, Add	*87.78*	
		For >10 To 20, Deduct	*-26.41*	
		For >20 To 40, Deduct	*-48.44*	
		For >40, Deduct	*-101.26*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	864.00	199.27
		For Bronze Or Satin Anodized Finish, Add	*46.55*	
		For Black Anodized Finish, Add	*93.09*	
		For >10 To 20, Deduct	*-28.58*	
		For >20 To 40, Deduct	*-52.51*	
		For >40, Deduct	*-109.67*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	903.21	210.34
		For Bronze Or Satin Anodized Finish, Add	*48.25*	
		For Black Anodized Finish, Add	*96.50*	
		For >10 To 20, Deduct	*-29.82*	
		For >20 To 40, Deduct	*-54.81*	
		For >40, Deduct	*-114.45*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	942.42	221.42
		For Bronze Or Satin Anodized Finish, Add	*49.96*	
		For Black Anodized Finish, Add	*99.92*	
		For >10 To 20, Deduct	*-31.05*	
		For >20 To 40, Deduct	*-57.11*	
		For >40, Deduct	*-119.22*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,018.93	243.55
		For Bronze Or Satin Anodized Finish, Add	*53.18*	
		For Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-33.45*	
		For >20 To 40, Deduct	*-61.58*	
		For >40, Deduct	*-128.48*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,103.97	265.70
		For Bronze Or Satin Anodized Finish, Add	*57.26*	
		For Black Anodized Finish, Add	*114.52*	
		For >10 To 20, Deduct	*-36.19*	
		For >20 To 40, Deduct	*-66.65*	
		For >40, Deduct	*-139.03*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,007.83	221.42
		For Bronze Or Satin Anodized Finish, Add	*56.50*	
		For Black Anodized Finish, Add	*113.00*	
		For >10 To 20, Deduct	*-33.67*	
		For >20 To 40, Deduct	*-61.69*	
		For >40, Deduct	*-129.03*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,086.23	243.55
		For Bronze Or Satin Anodized Finish, Add	*59.91*	
		For Black Anodized Finish, Add	*119.82*	
		For >10 To 20, Deduct	*-36.14*	
		For >20 To 40, Deduct	*-66.29*	
		For >40, Deduct	*-138.58*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,176.96	265.70
		For Bronze Or Satin Anodized Finish, Add	*64.56*	
		For Black Anodized Finish, Add	*129.11*	
		For >10 To 20, Deduct	*-39.11*	
		For >20 To 40, Deduct	*-71.76*	
		For >40, Deduct	*-149.97*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,187.61	210.34
		For Bronze Or Satin Anodized Finish, Add	*76.69*	
		For Black Anodized Finish, Add	*153.38*	
		For >10 To 20, Deduct	*-41.19*	
		For >20 To 40, Deduct	*-74.72*	
		For >40, Deduct	*-157.11*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,449.03	265.70
		For Bronze Or Satin Anodized Finish, Add	*91.76*	
		For Black Anodized Finish, Add	*183.53*	
		For >10 To 20, Deduct	*-49.99*	
		For >20 To 40, Deduct	*-90.80*	
		For >40, Deduct	*-190.79*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,744.66	354.26
		For Bronze Or Satin Anodized Finish, Add	*103.61*	
		For Black Anodized Finish, Add	*207.23*	
		For >10 To 20, Deduct	*-59.16*	
		For >20 To 40, Deduct	*-107.96*	
		For >40, Deduct	*-226.27*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,235.74	265.70
		For Bronze Or Satin Anodized Finish, Add	*70.44*	
		For Black Anodized Finish, Add	*140.87*	
		For >10 To 20, Deduct	*-41.46*	
		For >20 To 40, Deduct	*-75.87*	
		For >40, Deduct	*-158.79*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,563.74	265.70
		For Bronze Or Satin Anodized Finish, Add	*103.24*	
		For Black Anodized Finish, Add	*206.47*	
		For >10 To 20, Deduct	*-54.58*	
		For >20 To 40, Deduct	*-98.83*	
		For >40, Deduct	*-207.99*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,848.94	354.26
		For Bronze Or Satin Anodized Finish, Add	*114.04*	
		For Black Anodized Finish, Add	*228.08*	
		For >10 To 20, Deduct	*-63.33*	
		For >20 To 40, Deduct	*-115.26*	
		For >40, Deduct	*-241.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,743.86	265.70
		For Bronze Or Satin Anodized Finish, Add	*121.25*	
		For Black Anodized Finish, Add	*242.49*	
		For >10 To 20, Deduct	*-61.78*	
		For >20 To 40, Deduct	*-111.44*	
		For >40, Deduct	*-235.01*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,084.04	354.26
		For Bronze Or Satin Anodized Finish, Add	*137.55*	
		For Black Anodized Finish, Add	*275.10*	
		For >10 To 20, Deduct	*-72.73*	
		For >20 To 40, Deduct	*-131.71*	
		For >40, Deduct	*-277.18*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,417.19	398.54
		For Bronze Or Satin Anodized Finish, Add	*162.01*	
		For Black Anodized Finish, Add	*324.02*	
		For >10 To 20, Deduct	*-84.73*	
		For >20 To 40, Deduct	*-153.26*	
		For >40, Deduct	*-322.72*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	594.92	110.71
		For Bronze Or Satin Anodized Finish, Add	*37.35*	
		For Black Anodized Finish, Add	*74.70*	
		For >10 To 20, Deduct	*-20.48*	
		For >20 To 40, Deduct	*-37.22*	
		For >40, Deduct	*-78.17*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	665.40	121.78
		For Bronze Or Satin Anodized Finish, Add	*42.19*	
		For Black Anodized Finish, Add	*84.37*	
		For >10 To 20, Deduct	*-22.96*	
		For >20 To 40, Deduct	*-41.71*	
		For >40, Deduct	*-87.63*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	707.46	132.84
		For Bronze Or Satin Anodized Finish, Add	*44.18*	
		For Black Anodized Finish, Add	*88.35*	
		For >10 To 20, Deduct	*-24.31*	
		For >20 To 40, Deduct	*-44.21*	
		For >40, Deduct	*-92.83*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	731.16	132.84
		For Bronze Or Satin Anodized Finish, Add	*46.55*	
		For Black Anodized Finish, Add	*93.09*	
		For >10 To 20, Deduct	*-25.26*	
		For >20 To 40, Deduct	*-45.87*	
		For >40, Deduct	*-96.39*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	760.55	132.84
		For Bronze Or Satin Anodized Finish, Add	*49.49*	
		For Black Anodized Finish, Add	*98.97*	
		For >10 To 20, Deduct	*-26.44*	
		For >20 To 40, Deduct	*-47.92*	
		For >40, Deduct	*-100.80*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	883.16	143.92
		For Bronze Or Satin Anodized Finish, Add	*59.53*	
		For Black Anodized Finish, Add	*119.07*	
		For >10 To 20, Deduct	*-31.01*	
		For >20 To 40, Deduct	*-56.06*	
		For >40, Deduct	*-118.08*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	946.07	154.99
		For Bronze Or Satin Anodized Finish, Add	*63.61*	
		For Black Anodized Finish, Add	*127.22*	
		For >10 To 20, Deduct	*-33.19*	
		For >20 To 40, Deduct	*-60.03*	
		For >40, Deduct	*-126.41*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,094.91	154.99
		For Bronze Or Satin Anodized Finish, Add	*78.49*	
		For Black Anodized Finish, Add	*156.99*	
		For >10 To 20, Deduct	*-39.15*	
		For >20 To 40, Deduct	*-70.44*	
		For >40, Deduct	*-148.74*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,258.63	177.13
		For Bronze Or Satin Anodized Finish, Add	*90.44*	
		For Black Anodized Finish, Add	*180.87*	
		For >10 To 20, Deduct	*-45.03*	
		For >20 To 40, Deduct	*-81.02*	
		For >40, Deduct	*-171.08*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,591.37	177.13
		For Bronze Or Satin Anodized Finish, Add	*123.71*	
		For Black Anodized Finish, Add	*247.42*	
		For >10 To 20, Deduct	*-58.34*	
		For >20 To 40, Deduct	*-104.31*	
		For >40, Deduct	*-220.99*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	46.36
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	35.33
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	70.13

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0510		**Fiberglass Area Light Poles** *(26 56 13 00-0177)* Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511		**Round Tapered, Fiberglass Area Light Poles** *(26 56 13 00-0510)*		
26 56 13 00-0512		**Round Tapered, Fiberglass Area Light Poles, Anchor Base** *(26 56 13 00-0511)*		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,078.77	154.99
		For >10 To 20, Deduct	*-38.50*	
		For >20 To 40, Deduct	*-69.31*	
		For >40, Deduct	*-146.32*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,168.81	177.13
		For >10 To 20, Deduct	*-41.44*	
		For >20 To 40, Deduct	*-74.73*	
		For >40, Deduct	*-157.61*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,260.16	199.27
		For >10 To 20, Deduct	*-44.43*	
		For >20 To 40, Deduct	*-80.24*	
		For >40, Deduct	*-169.10*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,350.21	221.42
		For >10 To 20, Deduct	*-47.37*	
		For >20 To 40, Deduct	*-85.66*	
		For >40, Deduct	*-180.39*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,463.78	243.55
		For >10 To 20, Deduct	*-51.24*	
		For >20 To 40, Deduct	*-92.72*	
		For >40, Deduct	*-195.21*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,556.44	265.70
		For >10 To 20, Deduct	*-54.29*	
		For >20 To 40, Deduct	*-98.32*	
		For >40, Deduct	*-206.90*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,692.08	309.98
		For >10 To 20, Deduct	*-58.38*	
		For >20 To 40, Deduct	*-106.05*	
		For >40, Deduct	*-222.81*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,826.40	354.26
		For >10 To 20, Deduct	*-62.43*	
		For >20 To 40, Deduct	*-113.68*	
		For >40, Deduct	*-238.53*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,932.30	354.26
		For >10 To 20, Deduct	*-66.66*	
		For >20 To 40, Deduct	*-121.09*	
		For >40, Deduct	*-254.42*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,069.42	376.40
		For >10 To 20, Deduct	*-71.48*	
		For >20 To 40, Deduct	*-129.80*	
		For >40, Deduct	*-272.77*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,206.53	398.54
		For >10 To 20, Deduct	*-76.30*	
		For >20 To 40, Deduct	*-138.52*	
		For >40, Deduct	*-291.13*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,199.05	154.99
		For >10 To 20, Deduct	*-43.31*	
		For >20 To 40, Deduct	*-77.73*	
		For >40, Deduct	*-164.36*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,265.56	177.13
		For >10 To 20, Deduct	*-45.31*	
		For >20 To 40, Deduct	*-81.50*	
		For >40, Deduct	*-172.12*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,333.37	199.27
		For >10 To 20, Deduct	*-47.36*	
		For >20 To 40, Deduct	*-85.37*	
		For >40, Deduct	*-180.08*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,403.81	221.42
		For >10 To 20, Deduct	*-49.51*	
		For >20 To 40, Deduct	*-89.41*	
		For >40, Deduct	*-188.43*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,480.78	243.55
		For >10 To 20, Deduct	*-51.92*	
		For >20 To 40, Deduct	*-93.91*	
		For >40, Deduct	*-197.76*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,556.44	265.70
		For >10 To 20, Deduct	*-54.29*	
		For >20 To 40, Deduct	*-98.32*	
		For >40, Deduct	*-206.90*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,676.39	309.98
		For >10 To 20, Deduct	*-57.76*	
		For >20 To 40, Deduct	*-104.95*	
		For >40, Deduct	*-220.46*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,826.40	354.26
		For >10 To 20, Deduct	*-62.43*	
		For >20 To 40, Deduct	*-113.68*	
		For >40, Deduct	*-238.53*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,870.85	354.26
		For >10 To 20, Deduct	*-64.21*	
		For >20 To 40, Deduct	*-116.79*	
		For >40, Deduct	*-245.20*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,960.90	376.40
		For >10 To 20, Deduct	*-67.14*	
		For >20 To 40, Deduct	*-122.21*	
		For >40, Deduct	*-256.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,050.94	398.54
		For >10 To 20, Deduct	*-70.08*	
		For >20 To 40, Deduct	*-127.62*	
		For >40, Deduct	*-267.79*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,375.56	154.99
		For >10 To 20, Deduct	*-50.37*	
		For >20 To 40, Deduct	*-90.09*	
		For >40, Deduct	*-190.84*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,460.37	177.13
		For >10 To 20, Deduct	*-53.10*	
		For >20 To 40, Deduct	*-95.14*	
		For >40, Deduct	*-201.34*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,545.18	199.27
		For >10 To 20, Deduct	*-55.83*	
		For >20 To 40, Deduct	*-100.19*	
		For >40, Deduct	*-211.85*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,631.31	221.42
		For >10 To 20, Deduct	*-58.61*	
		For >20 To 40, Deduct	*-105.34*	
		For >40, Deduct	*-222.56*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,722.66	243.55
		For >10 To 20, Deduct	*-61.60*	
		For >20 To 40, Deduct	*-110.84*	
		For >40, Deduct	*-234.04*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,821.85	265.70
		For >10 To 20, Deduct	*-64.90*	
		For >20 To 40, Deduct	*-116.90*	
		For >40, Deduct	*-246.71*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,977.10	309.98
		For >10 To 20, Deduct	*-69.78*	
		For >20 To 40, Deduct	*-126.00*	
		For >40, Deduct	*-265.57*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,133.65	354.26
		For >10 To 20, Deduct	*-74.72*	
		For >20 To 40, Deduct	*-135.19*	
		For >40, Deduct	*-284.62*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,201.64	354.26
		For >10 To 20, Deduct	*-77.44*	
		For >20 To 40, Deduct	*-139.94*	
		For >40, Deduct	*-294.82*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,353.14	376.40
		For >10 To 20, Deduct	*-82.83*	
		For >20 To 40, Deduct	*-149.66*	
		For >40, Deduct	*-315.33*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,474.56	398.54
		For >10 To 20, Deduct	*-87.03*	
		For >20 To 40, Deduct	*-157.28*	
		For >40, Deduct	*-331.33*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,573.84	409.61
		For >10 To 20, Deduct	*-90.67*	
		For >20 To 40, Deduct	*-163.78*	
		For >40, Deduct	*-345.11*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,673.12	420.69
		For >10 To 20, Deduct	*-94.30*	
		For >20 To 40, Deduct	*-170.29*	
		For >40, Deduct	*-358.90*	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*

26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	660.73	110.71
		For >10 To 20, Deduct	*-23.11*	
		For >20 To 40, Deduct	*-41.82*	
		For >40, Deduct	*-88.04*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	707.70	121.78
		For >10 To 20, Deduct	*-24.65*	
		For >20 To 40, Deduct	*-44.67*	
		For >40, Deduct	*-93.98*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	753.38	132.84
		For >10 To 20, Deduct	*-26.15*	
		For >20 To 40, Deduct	*-47.42*	
		For >40, Deduct	*-99.72*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	775.61	132.84
		For >10 To 20, Deduct	*-27.04*	
		For >20 To 40, Deduct	*-48.98*	
		For >40, Deduct	*-103.06*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	834.35	143.92
		For >10 To 20, Deduct	*-29.06*	
		For >20 To 40, Deduct	*-52.65*	
		For >40, Deduct	*-110.76*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	882.65	154.99
		For >10 To 20, Deduct	*-30.66*	
		For >20 To 40, Deduct	*-55.59*	
		For >40, Deduct	*-116.90*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	934.86	166.06
		For >10 To 20, Deduct	*-32.41*	
		For >20 To 40, Deduct	*-58.80*	
		For >40, Deduct	*-123.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	993.61	177.13
		For >10 To 20, Deduct	*-34.43*	
		For >20 To 40, Deduct	*-62.47*	
		For >40, Deduct	*-131.33*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,119.12	177.13
		For >10 To 20, Deduct	*-39.45*	
		For >20 To 40, Deduct	*-71.25*	
		For >40, Deduct	*-150.16*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,266.78	188.20
		For >10 To 20, Deduct	*-45.03*	
		For >20 To 40, Deduct	*-81.15*	
		For >40, Deduct	*-171.20*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,414.44	199.27
		For >10 To 20, Deduct	*-50.60*	
		For >20 To 40, Deduct	*-91.04*	
		For >40, Deduct	*-192.24*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	781.01	110.71
		For >10 To 20, Deduct	*-27.92*	
		For >20 To 40, Deduct	*-50.24*	
		For >40, Deduct	*-106.08*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	834.52	121.78
		For >10 To 20, Deduct	*-29.73*	
		For >20 To 40, Deduct	*-53.55*	
		For >40, Deduct	*-113.00*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	888.05	132.84
		For >10 To 20, Deduct	*-31.54*	
		For >20 To 40, Deduct	*-56.85*	
		For >40, Deduct	*-119.92*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	920.74	132.84
		For >10 To 20, Deduct	*-32.84*	
		For >20 To 40, Deduct	*-59.14*	
		For >40, Deduct	*-124.83*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	974.25	143.92
		For >10 To 20, Deduct	*-34.65*	
		For >20 To 40, Deduct	*-62.44*	
		For >40, Deduct	*-131.75*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,027.78	154.99
		For >10 To 20, Deduct	*-36.46*	
		For >20 To 40, Deduct	*-65.75*	
		For >40, Deduct	*-138.67*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,081.29	166.06
		For >10 To 20, Deduct	*-38.27*	
		For >20 To 40, Deduct	*-69.05*	
		For >40, Deduct	*-145.59*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,164.89	177.13
		For >10 To 20, Deduct	*-41.28*	
		For >20 To 40, Deduct	*-74.46*	
		For >40, Deduct	*-157.02*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,286.48	177.13
		For >10 To 20, Deduct	*-46.15*	
		For >20 To 40, Deduct	*-82.97*	
		For >40, Deduct	*-175.26*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,431.52	188.20
		For >10 To 20, Deduct	*-51.61*	
		For >20 To 40, Deduct	*-92.68*	
		For >40, Deduct	*-195.91*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,575.25	199.27
		For >10 To 20, Deduct	*-57.03*	
		For >20 To 40, Deduct	*-102.30*	
		For >40, Deduct	*-216.36*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	886.92	110.71
		For >10 To 20, Deduct	*-32.16*	
		For >20 To 40, Deduct	*-57.66*	
		For >40, Deduct	*-121.97*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	932.58	121.78
		For >10 To 20, Deduct	*-33.65*	
		For >20 To 40, Deduct	*-60.41*	
		For >40, Deduct	*-127.71*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	976.96	132.84
		For >10 To 20, Deduct	*-35.09*	
		For >20 To 40, Deduct	*-63.07*	
		For >40, Deduct	*-133.26*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	999.19	132.84
		For >10 To 20, Deduct	*-35.98*	
		For >20 To 40, Deduct	*-64.63*	
		For >40, Deduct	*-136.59*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,043.54	143.92
		For >10 To 20, Deduct	*-37.42*	
		For >20 To 40, Deduct	*-67.29*	
		For >40, Deduct	*-142.14*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,089.23	154.99
		For >10 To 20, Deduct	*-38.92*	
		For >20 To 40, Deduct	*-70.05*	
		For >40, Deduct	*-147.89*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,179.35	166.06
		For >10 To 20, Deduct	*-42.19*	
		For >20 To 40, Deduct	*-75.91*	
		For >40, Deduct	*-160.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,285.17	177.13
		For >10 To 20, Deduct	*-46.09*	
		For >20 To 40, Deduct	*-82.88*	
		For >40, Deduct	*-175.06*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,361.00	177.13
		For >10 To 20, Deduct	*-49.13*	
		For >20 To 40, Deduct	*-88.18*	
		For >40, Deduct	*-186.44*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,460.28	188.20
		For >10 To 20, Deduct	*-52.77*	
		For >20 To 40, Deduct	*-94.69*	
		For >40, Deduct	*-200.22*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,559.56	199.27
		For >10 To 20, Deduct	*-56.40*	
		For >20 To 40, Deduct	*-101.20*	
		For >40, Deduct	*-214.01*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	46.36	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	46.36	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	87.96	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	116.48	

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,756.60	376.40
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,851.07	398.54
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,922.23	409.61
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,439.03	420.69
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,722.95	442.83
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,355.04	575.68
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,008.91	708.52
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,057.63	376.40
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,702.80	398.54
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	424.70	132.84
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,436.81	265.60
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	164.79	54.20
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	337.70	108.41

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,012.40	177.13
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,262.23	221.42
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,486.31	265.70
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,448.71	398.54
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,998.35	420.69
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,593.67	442.83
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,290.74	575.68

26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	10,874.27	996.36
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	12,993.33	1,246.57
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	15,431.77	1,683.97

26 56 13 00-0614 Treated Wood Area Light Poles *(26 56 13 00-0177)*

See CSI section 26 05 46 00-0001 for wood poles.

26 56 13 00-0615 Cast Iron Decorative Light Posts *(26 56 13 00-0177)*

26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*

Note: As manufactured by Hadco and King Luminaries or an approved equal.

26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	983.47	110.71
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,037.36	127.54
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,124.81	132.84
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,381.84	154.99
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,613.69	168.28
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,856.74	181.56

26 56 13 00-0623 Landscape Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0624 Aluminum Landscape Light Poles *(26 56 13 00-0623)*

Note: Includes painted finish.

26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*

26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*

26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	350.06	132.84
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	621.25	177.13

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	310.36	132.84
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	581.55	177.13
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	344.84	132.84
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	327.11	132.84
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	370.51	26.57
		For Galvanized Finish, Add	*31.74*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	466.27	26.57
		For Galvanized Finish, Add	*41.31*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	495.50	26.57
		For Galvanized Finish, Add	*44.24*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	675.92	26.57
		For Galvanized Finish, Add	*62.28*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	704.01	26.57
		For Galvanized Finish, Add	*65.09*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	207.66	26.57
		For Bronze Or Satin Anodized Finish, Add	*15.45*	
		For Black Anodized Finish, Add	*30.90*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	256.96	26.57
		For Bronze Or Satin Anodized Finish, Add	*20.38*	
		For Black Anodized Finish, Add	*40.76*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	270.23	26.57
		For Bronze Or Satin Anodized Finish, Add	*21.71*	
		For Black Anodized Finish, Add	*43.42*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	316.68	26.57
		For Bronze Or Satin Anodized Finish, Add	*26.35*	
		For Black Anodized Finish, Add	*52.71*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	326.16	26.57
		For Bronze Or Satin Anodized Finish, Add	*27.30*	
		For Black Anodized Finish, Add	*54.60*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	397.85	26.57
		For Galvanized Finish, Add	*34.47*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	489.57	26.57
		For Galvanized Finish, Add	*43.64*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	597.30	26.57
		For Galvanized Finish, Add	*54.42*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	705.52	26.57
		For Galvanized Finish, Add	*65.24*	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	382.12	44.28
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	569.85	44.28
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	791.97	44.28
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	865.05	44.28
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0668		**Steel, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	226.11	39.86
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	239.88	44.28
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	279.29	55.35
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	329.83	44.28
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	368.99	55.35
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	447.69	66.43
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	194.71	44.28
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	249.15	44.28
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	335.98	55.35
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	445.35	66.43
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	423.27	44.28
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	658.32	48.71
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	731.24	53.14
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	866.92	57.57
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	505.56	55.35
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	717.07	59.78
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	243.08	44.28
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	299.36	55.35
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	357.51	66.43
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	241.18	44.28
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	352.43	48.71
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	295.57	55.35
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	429.55	59.78
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	359.41	66.43
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	522.79	70.85
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,461.33	
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)* Note: Includes Non Latching System, Ring Assembly With Internal Bumper, Acrylic Top Cover, Pulley Supports, Cast Arm Filter For Pipe Tenion, Transition Assembly, Standard Head Frame Assembly, Standard Hoist, Pole. As Manufactured By Metrolux		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	33,049.71	1,383.74
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	34,909.10	1,449.26
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	36,793.19	1,543.91
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	38,700.87	1,667.69
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	40,523.31	1,820.54
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	43,095.25	2,002.74
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	45,098.06	2,184.78
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	46,948.13	2,366.83
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	48,948.68	2,548.95
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	51,377.82	2,731.00
26 56 13 00-0712		**High Mast Light Poles As Manufactured By Metrolux** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	12,646.63	831.05
26 56 13 00-0714	EA	70' High Mast Light Poles	14,486.33	870.41
26 56 13 00-0715	EA	80' High Mast Light Poles	16,341.99	927.27
26 56 13 00-0716	EA	90' High Mast Light Poles	18,212.50	1,001.63
26 56 13 00-0717	EA	100' High Mast Light Poles	20,098.96	1,093.49
26 56 13 00-0718	EA	110' High Mast Light Poles	22,001.40	1,202.83
26 56 13 00-0719	EA	120' High Mast Light Poles	23,444.82	1,312.18
26 56 13 00-0720	EA	130' High Mast Light Poles	23,314.47	2,431.91
26 56 13 00-0721	EA	140' High Mast Light Poles	26,179.43	1,530.87
26 56 13 00-0722	EA	150' High Mast Light Poles	27,775.11	1,640.22
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)* Note: As Manufactured By Metrolux See CSI section 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	589.33	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	1,655.02	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	1,253.31	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	530.29	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	993.04	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	10,589.85	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	10,660.64	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0731		Concrete Bases *(26 56 13 00-0001)*		
26 56 13 00-0732		Precast Concrete Light Pole Base, Square And Round *(26 56 13 00-0731)*		
26 56 13 00-0733	LF	Square 12" x 12" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	109.24	
26 56 13 00-0734	LF	Square 18" x 18" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	117.95	
26 56 13 00-0735	LF	Square 24" x 24" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	146.28	
26 56 13 00-0736	LF	Square 30" x 30" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	150.71	
26 56 13 00-0737	LF	Round 24" Precast Concrete Light Pole Base	118.25	
26 56 13 00-0738	LF	Round 30" Precast Concrete Light Pole Base	131.87	
26 56 13 00-0739	LF	Round 36" Precast Concrete Light Pole Base	158.51	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		Exterior Globe *(26 56 18)*		
26 56 18 00-0002		Incandescent, Exterior Globe *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	52.38	14.60
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	93.08	14.60
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	67.31	14.60
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	98.83	14.60
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	166.35	58.40
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	173.68	62.05
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	190.69	65.70
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	188.62	72.99
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	212.32	83.94
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		LED, Wall Packs *(26 56 19)*		
26 56 19 00-0002		Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*		
26 56 19 00-0003		Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*		
26 56 19 00-0004	EA	30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,273.28	77.92
26 56 19 00-0005	EA	30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,394.58	77.92
26 56 19 00-0006		Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*		
26 56 19 00-0007		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA	20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	799.17	75.70
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*41.37*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	
26 56 19 00-0009	EA	40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,042.78	80.15
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*41.81*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	
26 56 19 00-0010	EA	60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,172.92	84.60
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*42.26*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	
26 56 19 00-0011	EA	80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,530.01	89.05
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*42.71*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0012	EA	100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,773.62	93.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*43.15*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	
26 56 19 00-0013	EA	120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,017.24	97.96
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*43.60*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0015	EA	25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	450.64	75.70
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Multi-Level, Add	*53.64*	
26 56 19 00-0016	EA	42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	529.36	80.15
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Multi-Level, Add	*53.64*	

26 56 19 00-0017 Open Face LED Wall Pack *(26 56 19 00-0001)*

Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass

26 56 19 00-0018	EA	3,640 Lumens, 28 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	460.16	79.98
26 56 19 00-0019	EA	5,540 Lumens, 40 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	492.74	79.98
26 56 19 00-0020	EA	7,065 Lumens, 50 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	509.81	79.98
26 56 19 00-0021	EA	11,375 Lumens, 80 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	523.65	79.98
26 56 19 00-0022	EA	16,945 Lumens, 120 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	627.45	79.98

26 56 19 00-0023 LED, Roadway Lighting *(26 56 19)*

26 56 19 00-0024 LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0023)*

26 56 19 00-0025 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0024)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0026	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	949.86	107.09
26 56 19 00-0027	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,475.23	109.98

26 56 19 00-0028 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) *(26 56 19 00-0024)*

Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0029	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	695.58	107.09
26 56 19 00-0030	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	695.58	107.09
26 56 19 00-0031	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	695.58	107.09

26 56 19 00-0032 LED Roadway Lighting (Lithonia) *(26 56 19 00-0023)*

26 56 19 00-0033 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0032)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0034	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,372.84	101.30
26 56 19 00-0035	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,261.44	104.19

26 56 19 00-0036 LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0023)*

26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0036)*

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

26 56 19 00-0038	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	715.34	98.40
26 56 19 00-0039	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	809.07	101.30
26 56 19 00-0040	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	922.51	104.19

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0041		EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,017.76	107.09
26 56 19 00-0042		EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,113.00	109.98
26 56 19 00-0043		EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,341.67	112.87
26 56 19 00-0044		EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,436.92	115.77
26 56 19 00-0045		EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,530.65	118.66
26 56 19 00-0046		EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,715.35	121.56
26 56 19 00-0047		EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,810.59	124.45
26 56 19 00-0048		EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,905.83	127.35

26 56 19 00-0049 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0036)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0050		EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,475.92	104.19
			For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0051		EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,710.38	109.98
			For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0052		EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,944.85	115.77
			For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0053		EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,179.31	121.56
			For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0054		EA	120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,886.81	127.35
			For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0055		EA	140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,121.27	133.14
			For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0056		EA	160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,355.74	138.92
			For Multi-Level Drive Currents, Add	*212.27*	

26 56 19 00-0057 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0036)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0058		EA	4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	582.03	104.19
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
			For Backlight Control Shield, Add	*27.33*	
			For Field Adjustable Output, Add	*26.83*	
			For Bird Spikes, Add	*44.22*	
			For Field Adjustable Output And Utility Label, Add	*35.77*	
			For Fuse, Add	*53.64*	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
			For 480 Volt, Add	*80.47*	
			For Multi-Level, Add	*116.23*	
26 56 19 00-0059		EA	5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	582.03	104.19
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
			For Backlight Control Shield, Add	*27.33*	
			For Field Adjustable Output, Add	*26.83*	
			For Bird Spikes, Add	*44.22*	
			For Field Adjustable Output And Utility Label, Add	*35.77*	
			For Fuse, Add	*53.64*	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
			For 480 Volt, Add	*80.47*	
			For Multi-Level, Add	*116.23*	
26 56 19 00-0060		EA	8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	649.62	104.19
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
			For Backlight Control Shield, Add	*27.33*	
			For Field Adjustable Output, Add	*26.83*	
			For Bird Spikes, Add	*44.22*	
			For Field Adjustable Output And Utility Label, Add	*35.77*	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
			For 480 Volt, Add	*80.47*	
26 56 19 00-0061		EA	8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	649.62	104.19
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
			For Backlight Control Shield, Add	*27.33*	
			For Field Adjustable Output, Add	*26.83*	
			For Bird Spikes, Add	*44.22*	
			For Field Adjustable Output And Utility Label, Add	*35.77*	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
			For 480 Volt, Add	*80.47*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0062 EA 9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	769.78	104.19
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Field Adjustable Output, Add	*26.83*	
For Backlight Control Shield, Add	*40.46*	
For Field Adjustable Output And Utility Label, Add	*35.77*	
For Fuse, Add	*53.64*	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
For Bird Spikes, Add	*74.27*	
For 480 Volt, Add	*80.47*	
For Multi-Level, Add	*116.23*	
26 56 19 00-0063 EA 10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	769.78	104.19
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Field Adjustable Output, Add	*26.83*	
For Backlight Control Shield, Add	*40.46*	
For Field Adjustable Output And Utility Label, Add	*35.77*	
For Fuse, Add	*53.64*	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
For Bird Spikes, Add	*74.27*	
For 480 Volt, Add	*80.47*	
For Multi-Level, Add	*116.23*	
26 56 19 00-0064 EA 13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	882.45	104.19
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Field Adjustable Output, Add	*26.83*	
For Backlight Control Shield, Add	*40.46*	
For Field Adjustable Output And Utility Label, Add	*35.77*	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
For Bird Spikes, Add	*74.27*	
For 480 Volt, Add	*80.47*	
26 56 19 00-0065 EA 14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	882.45	104.19
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Field Adjustable Output, Add	*26.83*	
For Backlight Control Shield, Add	*40.46*	
For Field Adjustable Output And Utility Label, Add	*35.77*	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
For Bird Spikes, Add	*74.27*	
For 480 Volt, Add	*80.47*	
26 56 19 00-0066 EA 2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	461.86	104.19
For Utility Label, Add	*8.94*	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*26.83*	
For 0 To 10 Volt Dimming, Add	*53.64*	
26 56 19 00-0067 EA 2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	461.86	104.19
For Utility Label, Add	*8.94*	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*26.83*	
For 0 To 10 Volt Dimming, Add	*53.64*	
26 56 19 00-0068 EA 3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	490.03	104.19
For Utility Label, Add	*8.94*	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*26.83*	
For 0 To 10 Volt Dimming, Add	*53.64*	
26 56 19 00-0069 EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	490.03	104.19
For Utility Label, Add	*8.94*	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*26.83*	
For 0 To 10 Volt Dimming, Add	*53.64*	
26 56 19 00-0070 EA 4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	499.41	104.19
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Field Adjustable Output, Add	*26.83*	
For Field Adjustable Output And Utility Label, Add	*35.77*	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
For 0 To 10 Volt Dimming, Add	*53.64*	
26 56 19 00-0071 EA 4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	499.41	104.19
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
For Field Adjustable Output, Add	*26.83*	
For Field Adjustable Output And Utility Label, Add	*35.77*	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*53.64*	
For 0 To 10 Volt Dimming, Add	*53.64*	

26 56 19 00-0072 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0036)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0073 EA 3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	480.64	104.19
For Field Adjustable Output, Add	*26.83*	
For Backlight Control Shield, Add	*55.13*	
For Bird Spikes, Add	*74.79*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 19 00-0074	EA	3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	480.64	104.19
			For Field Adjustable Output, Add	*26.83*	
			For Backlight Control Shield, Add	*55.13*	
			For Bird Spikes, Add	*74.79*	
	26 56 19 00-0075	EA	5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	499.41	104.19
			For Field Adjustable Output, Add	*26.83*	
			For Backlight Control Shield, Add	*55.13*	
			For Bird Spikes, Add	*74.79*	
	26 56 19 00-0076	EA	5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	499.41	104.19
			For Field Adjustable Output, Add	*26.83*	
			For Backlight Control Shield, Add	*55.13*	
			For Bird Spikes, Add	*74.79*	

26 56 19 00-0077 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0023)*

26 56 19 00-0078 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0077)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0079	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	610.80	104.19
	26 56 19 00-0080	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	824.50	115.77
	26 56 19 00-0081	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	885.59	133.14
	26 56 19 00-0082	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,310.55	144.71
	26 56 19 00-0083	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,715.51	164.75

26 56 19 00-0084 LED Roadway Lighting (PlanLED) *(26 56 19 00-0023)*

26 56 19 00-0085 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0084)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0086	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	731.43	101.30
	26 56 19 00-0087	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	794.59	102.41
	26 56 19 00-0088	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	844.45	104.19

26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0084)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0090	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	486.48	98.85
	26 56 19 00-0091	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	520.51	100.63
	26 56 19 00-0092	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	574.03	102.41

26 56 19 00-0093 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0084)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0094	EA	13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	609.37	102.41
			For 0 To 10 Volt Dimming, Add	*52.20*	
			For 480 Volt, Add	*52.20*	
	26 56 19 00-0095	EA	16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	674.52	103.30
			For 0 To 10 Volt Dimming, Add	*52.20*	
			For 480 Volt, Add	*15.42*	
	26 56 19 00-0096	EA	19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	725.03	104.19
			For 0 To 10 Volt Dimming, Add	*52.20*	
			For 480 Volt, Add	*-5.51*	

26 56 19 00-0097 LED Roadway Lighting (General Electric) *(26 56 19 00-0023)*

26 56 19 00-0098 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0097)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0099	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	374.80	98.40
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-17.80*	
		For >500, Deduct	*-28.48*	
26 56 19 00-0100	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	377.48	99.74
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-17.80*	
		For >500, Deduct	*-28.48*	
26 56 19 00-0101	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	392.91	101.30
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-19.03*	
		For >500, Deduct	*-28.55*	
26 56 19 00-0102	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	408.57	102.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-20.38*	
		For >500, Deduct	*-30.56*	
26 56 19 00-0103	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	449.96	104.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-24.07*	
		For >500, Deduct	*-50.54*	
26 56 19 00-0104	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	471.90	105.53
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-26.08*	
		For >500, Deduct	*-39.13*	
26 56 19 00-0105	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	513.08	107.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-29.89*	
		For >500, Deduct	*-44.84*	
26 56 19 00-0106	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	600.59	109.98
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-38.06*	
		For >500, Deduct	*-57.09*	
26 56 19 00-0107	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	701.73	115.77
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >25 To 500, Deduct	*-47.02*	
		For >500, Deduct	*-70.53*	

26 56 19 00-0108 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0023)*

26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0108)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0110	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	709.01	101.30
26 56 19 00-0111	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	877.20	104.19
26 56 19 00-0112	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,217.48	107.09
26 56 19 00-0113	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,560.34	111.32
26 56 19 00-0114	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,895.27	114.43

26 56 19 00-0115 LED Roadway Lighting (Leotek) *(26 56 19 00-0023)*

26 56 19 00-0116 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0115)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0117	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	383.61	101.30
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-18.10*	
		For >1,000 To 2,500, Deduct	*-25.34*	
		For >2,500, Deduct	*-32.58*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0118	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	391.72	102.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-18.69*	
		For >1,000 To 2,500, Deduct	*-26.17*	
		For >2,500, Deduct	*-33.64*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0119	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	416.57	103.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-21.04*	
		For >1,000 To 2,500, Deduct	*-29.46*	
		For >2,500, Deduct	*-37.87*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0120	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	481.00	107.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-26.68*	
		For >1,000 To 2,500, Deduct	*-37.36*	
		For >2,500, Deduct	*-48.03*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0121	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	559.67	109.98
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-33.97*	
		For >1,000 To 2,500, Deduct	*-47.56*	
		For >2,500, Deduct	*-61.15*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0122	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	563.23	111.76
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-33.97*	
		For >1,000 To 2,500, Deduct	*-47.56*	
		For >2,500, Deduct	*-61.15*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0123	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	685.53	113.54
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-45.84*	
		For >1,000 To 2,500, Deduct	*-64.18*	
		For >2,500, Deduct	*-82.52*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0124	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	718.19	115.77
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-48.67*	
		For >1,000 To 2,500, Deduct	*-68.13*	
		For >2,500, Deduct	*-87.60*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0125	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	799.33	117.55
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-56.42*	
		For >1,000 To 2,500, Deduct	*-78.99*	
		For >2,500, Deduct	*-101.56*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0126	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	855.78	119.33
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-61.71*	
		For >1,000 To 2,500, Deduct	*-86.40*	
		For >2,500, Deduct	*-111.08*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0127	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	441.09	102.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-23.63*	
		For >1,000 To 2,500, Deduct	*-33.08*	
		For >2,500, Deduct	*-42.53*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0128	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	482.88	105.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-27.27*	
		For >1,000 To 2,500, Deduct	*-38.18*	
		For >2,500, Deduct	*-49.09*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0129	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	519.79	107.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-30.56*	
		For >1,000 To 2,500, Deduct	*-42.79*	
		For >2,500, Deduct	*-55.01*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0130	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	551.73	109.53
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-33.27*	
		For >1,000 To 2,500, Deduct	*-46.57*	
		For >2,500, Deduct	*-59.88*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0131	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	584.07	110.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-36.32*	
		For >1,000 To 2,500, Deduct	*-50.85*	
		For >2,500, Deduct	*-65.38*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0132	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	692.00	114.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-46.31*	
		For >1,000 To 2,500, Deduct	*-64.84*	
		For >2,500, Deduct	*-83.37*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0133	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	779.91	116.66
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-54.66*	
		For >1,000 To 2,500, Deduct	*-76.52*	
		For >2,500, Deduct	*-98.39*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0134	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	827.82	117.11
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-59.36*	
		For >1,000 To 2,500, Deduct	*-83.11*	
		For >2,500, Deduct	*-106.85*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0135	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	873.99	118.44
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-63.71*	
		For >1,000 To 2,500, Deduct	*-89.20*	
		For >2,500, Deduct	*-114.68*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0136	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	473.90	111.76
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-25.04*	
		For >1,000 To 2,500, Deduct	*-35.05*	
		For >2,500, Deduct	*-45.07*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0137	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	511.39	112.87
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-28.56*	
		For >1,000 To 2,500, Deduct	*-39.99*	
		For >2,500, Deduct	*-51.42*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0138	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	367.77	102.19
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-16.34*	
		For >1,000 To 2,500, Deduct	*-22.87*	
		For >2,500, Deduct	*-29.41*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0139	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	374.25	103.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-16.81*	
		For >1,000 To 2,500, Deduct	*-23.53*	
		For >2,500, Deduct	*-30.26*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0140	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	405.30	105.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-19.51*	
		For >1,000 To 2,500, Deduct	*-27.32*	
		For >2,500, Deduct	*-35.12*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0141	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	613.82	113.54
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-38.67*	
		For >1,000 To 2,500, Deduct	*-54.14*	
		For >2,500, Deduct	*-69.61*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0142	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	794.91	117.11
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-56.07*	
		For >1,000 To 2,500, Deduct	*-78.50*	
		For >2,500, Deduct	*-100.93*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0143	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	711.17	117.55
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >500 To 1,000, Deduct	*-47.61*	
		For >1,000 To 2,500, Deduct	*-66.65*	
		For >2,500, Deduct	*-85.69*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	
26 56 19 00-0144	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	354.11	102.41
		For >500 To 1,000, Deduct	*-14.93*	
		For >1,000 To 2,500, Deduct	*-20.90*	
		For >2,500, Deduct	*-26.87*	
		For Twist Lock Shorting Cap, Add	*5.60*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*16.79*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*30.05*	

26 56 19 00-0145 LED, Area Lighting *(26 56 19)*

26 56 19 00-0146	EA	"The Edge" LED Area Light (Beta BLD ARE)	1,659.36	99.97
26 56 19 00-0147	EA	"Franklin Square" LED Area Light (Spring City ALMFKS-LE099EV1/XF-YS19-FAH-CT-M2 CB)	3,675.57	99.97
		For >3 To 5, Deduct	*-44.46*	
		For >5 To 10, Deduct	*-113.10*	
		For >10, Deduct	*-256.70*	
26 56 19 00-0148	EA	12' "Wellington" Pole (Spring City APSWLG 10 12 S4 TN2.88/3.00-323/1NW-CB)	1,695.66	99.97
		For >3 To 5, Deduct	*-191.44*	
		For >5 To 10, Deduct	*-357.09*	
		For >10, Deduct	*-476.55*	

26 56 19 00-0149 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0150 Pole Mount, LED Area Fixtures *(26 56 19 00-0149)*

26 56 19 00-0151 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0150)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0152	EA	20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,520.45	75.70
26 56 19 00-0153	EA	40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,718.88	80.15
26 56 19 00-0154	EA	80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,926.22	89.05
26 56 19 00-0155	EA	100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,935.12	93.50

26 56 19 00-0156 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0150)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0157	EA	40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,088.20	80.15
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*33.50*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0158	EA	60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,320.00	84.60
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*33.95*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0159	EA	80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,641.24	89.05
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*34.40*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0160	EA	100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,873.02	93.50
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*34.84*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0161	EA	120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,104.82	97.96
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*35.29*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0162	EA	140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,407.86	102.41
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*35.73*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0163	EA	160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,639.64	106.87
		For Backlight Shielding, Add	*21.23*	
		For Type II Medium Optic, Add	*36.18*	
		For 480 Volt, Add	*61.79*	
		For Multi-Level Drive Currents, Add	*212.27*	

26 56 19 00-0164 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0150)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0165	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,940.25	97.96
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For Bird Spikes, Add	*37.97*	
		For 5,000K Color Temperature, Add	*44.71*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For 480 Volt, Add	*80.47*	
		For Multi-Level, Add	*116.23*	
		For 1,000mA Driver, Add	*150.22*	
26 56 19 00-0166	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	3,299.13	120.22
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*17.88*	
		For 5,000K Color Temperature, Add	*44.71*	
		For Fuse, Add	*53.64*	
		For 0 To 10 Volt Dimming, Add	*53.64*	
		For Bird Spikes, Add	*57.10*	
		For Multi-Level, Add	*116.23*	
		For 1,000mA Driver, Add	*150.21*	
		For 480 Volt, Add	*160.93*	

26 56 19 00-0167 Wall Mount, LED Area Fixtures *(26 56 19 00-0149)*

26 56 19 00-0168 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0167)*

Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0169	EA	20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,063.01	75.70
26 56 19 00-0170	EA	30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,080.82	84.60

26 56 19 00-0171 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0149)*

26 56 19 00-0172 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0171)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0173	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	954.78	80.15
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0174	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,186.57	84.60
		For Multi-Level Drive Currents, Add	*212.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0175	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,418.36	89.05
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0176	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,650.14	93.50
		For Multi-Level Drive Currents, Add	*212.27*	

26 56 19 00-0177 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0171)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0178	EA	40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	918.39	80.15
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0179	EA	60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,016.76	84.60
		For Multi-Level Drive Currents, Add	*212.27*	

26 56 19 00-0180 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0171)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0181	EA	3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	595.30	80.15

26 56 19 00-0182 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0171)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0183	EA	70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,165.88	84.60
26 56 19 00-0184	EA	110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,183.69	93.50

26 56 19 00-0185 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0149)*

26 56 19 00-0186 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0185)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0187	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,115.50	80.15
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0188	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,347.29	84.60
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0189	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,579.08	89.05
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0190	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,810.86	93.50
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0191	EA	120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,042.65	97.96
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0192	EA	140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,363.89	102.41
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0193	EA	160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,595.67	106.87
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0194	EA	200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,059.25	115.77
		For Multi-Level Drive Currents, Add	*212.27*	
26 56 19 00-0195	EA	240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,513.92	120.22
		For Multi-Level Drive Currents, Add	*212.27*	

26 56 19 00-0196 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0185)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0197	EA	8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	749.72	89.05

26 56 19 00-0198 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0149)*

26 56 19 00-0199 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0198)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0200	EA	40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	936.58	80.15
26 56 19 00-0201	EA	60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,034.95	84.60
26 56 19 00-0202		Surface Mount, LED Area Fixtures *(26 56 19 00-0149)*		
26 56 19 00-0203		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0202)*		
		Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0204	EA	50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	781.50	80.15
26 56 19 00-0205	EA	50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	853.68	80.15
26 56 19 00-0206	EA	68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	714.65	89.05
26 56 19 00-0207	EA	68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	880.22	89.05
26 56 19 00-0208		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0202)*		
		Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0209	EA	13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	257.52	28.79
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 19 00-0210	EA	20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	301.96	28.79
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 19 00-0211	EA	30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	386.62	28.79
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 19 00-0212		Surface Mount, LED Facade Fixtures *(26 56 19 00-0149)*		
26 56 19 00-0213		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0212)*		
26 56 19 00-0214	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	441.86	33.58
26 56 19 00-0215	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	716.38	30.65
26 56 19 00-0216	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	913.11	25.55
26 56 19 00-0217	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,109.83	20.43
26 56 19 00-0218		Post Top, LED Area Fixtures *(26 56 19 00-0149)*		
26 56 19 00-0219		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0218)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0220	EA	1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,247.71	122.45
26 56 19 00-0221	EA	3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,375.66	122.45
26 56 19 00-0222	EA	77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,476.81	122.45
26 56 19 00-0223		Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0218)*		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0224	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,468.56	122.45
		For >25 To 500, Deduct	*-85.66*	
		For >500, Deduct	*-281.44*	
26 56 19 00-0225	EA	6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,501.47	122.45
		For >25 To 500, Deduct	*-87.96*	
		For >500, Deduct	*-289.01*	
26 56 19 00-0226		Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0218)*		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0227	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,022.94	122.45
		For >25 To 500, Deduct	*-54.46*	
		For >500, Deduct	*-225.63*	
26 56 19 00-0228	EA	6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,072.20	122.45
		For >25 To 500, Deduct	*-57.91*	
		For >500, Deduct	*-215.10*	
26 56 19 00-0229		Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0218)*		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0230	EA	3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	799.04	122.45
		For >25 To 500, Deduct	*-38.79*	
		For >500, Deduct	*-116.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0231	EA	6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	848.30	122.45
		For >25 To 500, Deduct	*-42.24*	
		For >500, Deduct	*-126.72*	

26 56 19 00-0232 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0218)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 19 00-0233	EA	13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,555.58	122.45

26 56 19 00-0234 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) *(26 56 19 00-0218)*

Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 56 19 00-0235	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	687.48	66.79
		For 0 To 10 Volt Dimming, Add	*53.64*	

26 56 19 00-0236 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0218)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 56 19 00-0237	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	440.03	14.25
		For Backlight Control Shield, Add	*34.77*	

26 56 19 00-0238 Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0149)*

26 56 19 00-0239	EA	4' Long, 5,200 Lumens, 40 Watts, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	306.05	26.71

26 56 21 HID Exterior Lighting *(26 56)*

26 56 21 00-0001 High Mast Fixtures *(26 56 21)*

26 56 21 00-0002 Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,294.24	109.84
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,383.77	109.84
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,370.87	125.48
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,424.59	125.48
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,439.56	156.85
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,493.28	156.85

26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,338.82	109.84
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,392.54	109.84
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,617.04	116.11
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,656.45	125.48
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,751.99	156.85

26 56 21 00-0015 HID, Pole Mounted *(26 56 21)*

26 56 21 00-0016 Metal Halide, Pole Mounted *(26 56 21 00-0015)*

26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	458.54	179.10
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	516.55	194.41
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	602.21	209.14
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	763.56	245.10

26 56 21 00-0021 High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*

26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	545.88	209.14
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	562.76	209.14
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	588.97	209.14
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	659.03	209.14
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	761.14	209.14
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	731.26	209.14

26 56 21 00-0028 Low Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*

26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	461.64	113.77
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	498.98	167.31
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	585.21	167.31

26 56 21 00-0032 Metal Halide, Area Fixtures *(26 56 21)*

26 56 21 00-0033 Metal Halide, Pole Mount, Area Fixtures *(26 56 21 00-0032)*

Note: Includes pulse start ballast.

26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	685.26	110.71
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	752.04	121.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	831.44	132.84
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	881.39	154.99
26 56 21 00-0038		High Pressure Sodium, Area Fixtures *(26 56 21)*		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	568.82	88.56
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	621.09	110.71
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	675.50	132.84
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	714.27	154.99
26 56 21 00-0044		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21)*		
26 56 21 00-0045		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0044)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0046	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	489.55	112.93
26 56 21 00-0047	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	508.54	125.48
26 56 21 00-0048	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	544.37	143.05
26 56 21 00-0049	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	559.75	152.24
26 56 21 00-0050	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	575.77	160.62
26 56 21 00-0051	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	603.19	167.31
26 56 21 00-0052	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	660.84	188.22
26 56 21 00-0053	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	800.39	209.14
26 56 21 00-0054		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0044)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0055	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	538.98	125.48
26 56 21 00-0056	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	570.20	143.05
26 56 21 00-0057	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	589.89	152.24
26 56 21 00-0058	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	615.19	160.62
26 56 21 00-0059	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	629.05	167.31
26 56 21 00-0060	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	688.03	188.22
26 56 21 00-0061	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	872.63	209.14
26 56 21 00-0062		Wall Packs *(26 56 21)*		
26 56 21 00-0063		Non Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0062)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0064	EA	13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	225.22	39.98
26 56 21 00-0065	EA	50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	240.69	39.98
26 56 21 00-0066	EA	35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	240.69	39.98
26 56 21 00-0067	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	315.67	39.98
26 56 21 00-0068		Semi Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0062)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0069	EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	436.69	39.98
26 56 21 00-0070	EA	50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	442.25	39.98
26 56 21 00-0071	EA	70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	447.06	39.98
26 56 21 00-0072	EA	100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	438.29	39.98
26 56 21 00-0073	EA	70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	402.21	39.98
26 56 21 00-0074	EA	100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	382.39	39.98
26 56 21 00-0075		Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0062)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0076	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	459.52	39.98
26 56 21 00-0077	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	464.59	39.98
26 56 21 00-0078	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	455.82	39.98
26 56 21 00-0079	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	462.88	39.98
26 56 21 00-0080	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	462.88	39.98
26 56 21 00-0081		Non Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0082	EA	70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	441.21	53.26
26 56 21 00-0083	EA	100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	441.21	53.26
26 56 21 00-0084	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	414.05	53.26
26 56 21 00-0085	EA	70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	424.46	53.26
26 56 21 00-0086	EA	100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	424.46	53.26
26 56 21 00-0087	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	394.35	53.26
26 56 21 00-0088		Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0089	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	457.30	53.26
26 56 21 00-0090	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	457.30	53.26
26 56 21 00-0091	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	457.30	53.26
26 56 21 00-0092	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	441.32	53.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0093	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	441.32	53.26
26 56 21 00-0094	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	441.32	53.26
26 56 21 00-0095		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0096	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	587.27	53.26
26 56 21 00-0097		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0098	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	555.91	65.98
26 56 21 00-0099	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	592.72	65.98
26 56 21 00-0100	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	636.61	65.98
26 56 21 00-0101	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	648.69	65.98
26 56 21 00-0102		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0103	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	603.26	65.98
26 56 21 00-0104	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	644.62	65.98
26 56 21 00-0105		**Non Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0062)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0106	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	561.19	79.98
26 56 21 00-0107	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	517.38	79.98
26 56 21 00-0108	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	551.05	79.98
26 56 21 00-0109	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	554.40	79.98
26 56 21 00-0110	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	557.92	79.98
26 56 21 00-0111		**Non Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0062)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0112	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	561.20	79.98
26 56 21 00-0113	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	575.82	79.98
26 56 21 00-0114	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	619.63	79.98
26 56 21 00-0115	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	590.43	79.98
26 56 21 00-0116	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	605.04	79.98
26 56 21 00-0117	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	634.22	79.98
26 56 21 00-0118		**Semi Cutoff, Induction Wall Packs** *(26 56 21 00-0062)*		
26 56 21 00-0119		**Semi Cutoff, Induction Wall Packs (Everlast®)** *(26 56 21 00-0118)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0120	EA	70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	711.44	75.70
26 56 21 00-0121	EA	80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	726.58	80.15
26 56 21 00-0122	EA	100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	741.73	84.60
26 56 21 00-0123	EA	120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	825.53	89.05
26 56 21 00-0124		**Wall Pack Accessories** *(26 56 21 00-0062)*		
26 56 21 00-0125	EA	Photocell For Wall Pack	84.77	20.00
26 56 21 00-0126	EA	Wire Guard For Mini And Small Wall Pack	94.13	20.00
26 56 21 00-0127	EA	Wire Guard For Medium And Large Wall Pack	133.28	20.00
26 56 21 00-0128	EA	Clear Polycarbonate Vandal Guard For Wall Packs	189.78	20.00
26 56 21 00-0129	EA	Full Cutoff Visor For Wall Pack	91.58	20.00
26 56 21 00-0130		**Non Cutoff, Polycarbonate Lens, Small Wall Packs** *(26 56 21 00-0062)*		
26 56 21 00-0131	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	232.15	39.98
26 56 21 00-0132		**Induction, Roadway Lighting** *(26 56 21)*		
26 56 21 00-0133		**Induction Roadway Lighting (US Lighting Tech)** *(26 56 21 00-0132)*		
		Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0134	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	653.79	133.57
26 56 21 00-0135	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	738.50	138.04
26 56 21 00-0136	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	756.32	146.94
26 56 21 00-0137	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	774.12	155.84
26 56 21 00-0138	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	957.39	160.29
26 56 21 00-0139	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	972.36	164.75
26 56 21 00-0140	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	590.11	133.57
26 56 21 00-0141	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	683.92	138.04
26 56 21 00-0142	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	701.74	146.94
26 56 21 00-0143	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	719.54	155.84
26 56 21 00-0144		**Induction, Area Fixtures** *(26 56 21)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0145		Post Top, Induction Area Fixtures *(26 56 21 00-0144)*		
26 56 21 00-0146		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 21 00-0145)* Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0147	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	792.24	122.45
26 56 21 00-0148	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	880.18	122.45
26 56 21 00-0149	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	880.18	122.45
26 56 21 00-0150	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	880.18	122.45
26 56 21 00-0151		Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0144)*		
26 56 21 00-0152		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0151)*		
26 56 21 00-0153	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	696.23	111.32
26 56 21 00-0154	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	752.24	113.54
26 56 21 00-0155	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	762.75	115.77
26 56 21 00-0156	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	773.27	117.99
26 56 21 00-0157	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	783.78	120.22
26 56 21 00-0158	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	800.36	122.45
26 56 21 00-0159	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	850.69	115.77
26 56 21 00-0160	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	861.21	117.99
26 56 21 00-0161	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	871.72	120.22
26 56 21 00-0162	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	914.08	122.45
26 56 21 00-0163		Pole Mount, Induction Area Fixtures *(26 56 21 00-0144)*		
26 56 21 00-0164		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0163)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0165	EA	70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	742.64	75.70
26 56 21 00-0166	EA	80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	764.02	80.15
26 56 21 00-0167	EA	100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	785.41	84.60

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	120.23	21.63
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	223.65	21.63
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	44.52	4.01
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	16.12	4.01
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	17.12	4.01
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	18.98	4.01
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	623.12	81.87
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	799.57	109.19
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	1,262.89	163.75
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	7.53	1.20
27 05 26 00-0011	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	52.62	21.63

27 05 29 Hangers And Supports For Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	6.03	2.00
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Painted Powder Coated Finish, Add	*0.41*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	6.34	2.00
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.44*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Painted Powder Coated Finish, Add	*1.44*	
		For Low Friction Xylan® Coated Finish, Add	*5.12*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	6.83	2.00
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.49*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Painted Powder Coated Finish, Add	*1.76*	
		For Low Friction Xylan® Coated Finish, Add	*6.37*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	11.02	2.00
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.90*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	
		For Painted Powder Coated Finish, Add	*0.94*	
		For Low Friction Xylan® Coated Finish, Add	*5.64*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	6.77	2.00
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	8.65	2.00
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.67*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	9.57	2.00
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.76*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	12.85	2.00
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.09*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.20*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.12	2.00
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	8.37	2.00
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	9.02	2.00
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	12.13	2.00
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*1.20*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	8.49	2.00
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	10.62	2.00
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	11.18	2.00
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*1.20*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	6.95	2.00
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	7.24	2.00
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.53*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	8.71	2.00
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.67*	
		For Work In Restricted Working Space, Add	*1.20*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	8.54	2.00
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	9.23	2.00
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	12.66	2.00
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*1.20*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	8.44	2.00
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	9.68	2.00
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	10.33	2.00
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*1.20*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	13.91	2.00
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*1.20*	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.75	2.64
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.78*	
		For >500, Deduct	*-3.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.10*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.21	2.64
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-4.02*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	26.61	2.64
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-4.26*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.68	2.64
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.78*	
		For >500, Deduct	*-3.97*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.79	2.64
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-4.08*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.88	2.64
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*2.40*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.41	2.64
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-4.04*	
		For Work In Restricted Working Space, Add	*2.40*	

27 05 33 Conduits And Backboxes For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures *(27 11)*

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	60.68	20.80
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*35.68*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	121.33	41.59
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*71.36*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	236.77	59.98
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	298.84	65.98
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	343.86	75.98
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	356.88	77.97
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	436.00	79.98
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	539.52	89.97
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	552.20	87.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	709.81	125.32
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	759.43	137.72
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	916.87	145.48
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	757.27	119.96
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	818.97	129.96
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,021.16	166.59
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,226.43	208.25
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,389.89	205.94
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,596.83	250.56

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	437.80	127.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.09*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	630.83	135.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.95*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	683.08	143.95
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.76*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	600.05	111.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.81*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	660.41	113.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.62*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	658.34	115.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.32*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	675.80	117.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.99*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	693.06	119.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.66*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	711.83	121.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.40*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	595.28	123.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.37*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	748.25	125.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.82*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	776.11	127.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.01*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	800.30	129.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.02*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	805.32	131.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.07*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	638.65	111.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	661.84	113.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.70*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	682.11	115.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.51*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	721.01	117.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.25*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	739.60	119.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.98*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	759.91	121.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.80*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	643.91	123.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.80*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	799.27	125.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.37*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	829.55	127.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.68*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	855.85	129.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.80*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	860.96	131.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.85*	

27 11 16 00-0054 35" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	805.02	119.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.25*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	849.08	123.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)* Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	637.67	111.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.69*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	693.33	113.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.27*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	703.81	115.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.59*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	719.82	117.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.19*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	738.36	119.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.92*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	758.62	121.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.73*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	778.04	123.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.51*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	797.91	125.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.30*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	828.15	127.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.61*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	854.37	129.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.72*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	859.42	131.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.78*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	680.16	111.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.81*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	750.95	113.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.15*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	760.21	115.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.41*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	769.51	117.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.68*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	789.55	119.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.48*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	811.51	121.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.38*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	832.49	123.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.23*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	853.99	125.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.10*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	886.90	127.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.55*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	915.45	129.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*32.78*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	920.75	131.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*32.84*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,303.78	199.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*45.20*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,429.47	207.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*50.68*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,547.76	215.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*55.80*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,343.53	199.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.18*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0091		**Single-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	77.52	8.00
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	86.85	8.00
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	63.95	8.00
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	78.92	8.00
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	93.37	8.00
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	71.32	8.00
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	108.02	8.00
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	123.61	8.00
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	86.08	8.00
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	97.40	8.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	109.70	8.00
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	102.73	8.00
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	120.34	8.00
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	134.30	8.00
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	150.96	8.00

27 11 16 00-0108 Vertical Cable Managers *(27 11 16 00-0089)*

27 11 16 00-0109 Single-Sided, Vertical Cable Managers *(27 11 16 00-0108)*

27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	177.06	12.00
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	252.67	12.00
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	411.26	12.00
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	466.59	12.00
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	189.97	12.00
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	272.95	12.00
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	448.15	12.00
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	503.47	12.00
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	215.79	12.00
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	300.62	12.00
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	503.47	12.00
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	558.79	12.00

27 11 16 00-0122 Double-Sided, Vertical Cable Managers *(27 11 16 00-0108)*

27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	260.05	12.00
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	307.99	12.00
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	503.47	12.00
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	595.67	12.00
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	282.18	12.00
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	330.12	12.00
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	540.35	12.00
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	632.56	12.00
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	311.68	12.00
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	359.63	12.00
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	595.67	12.00
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	687.88	12.00

27 11 16 00-0135 Accessories For Vertical Cable Managers *(27 11 16 00-0108)*

27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	108.21	8.00
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	115.58	8.00
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	122.96	8.00
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	111.89	8.00
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	122.96	8.00
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	134.02	8.00
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	126.65	8.00
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	137.71	8.00
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	148.78	8.00
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	134.02	8.00
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	148.78	8.00
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	159.84	8.00
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	89.76	8.00
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	104.52	8.00
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	109.50	8.00
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	67.64	8.00

27 11 19 Communications Termination Blocks And Patch Panels *(27 11)*

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	183.87	39.98
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	272.51	39.98
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	356.38	39.98
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	434.53	39.98
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	577.35	49.99
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	802.38	59.98
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	226.77	39.98
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	278.22	39.98
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	476.47	39.98
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	882.44	59.98
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	458.68	59.98
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	483.31	59.98
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	192.43	39.98
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	28.34	
		For >5 To 10 Cables, Deduct	*-5.10*	
		For >10 Cables, Deduct	*-11.34*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	7.79	
		For >20 To 40 Pairs, Deduct	*-1.25*	
		For >40 Pairs, Deduct	*-2.96*	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0019		**Fiber Optic Cable Connector Housings** *(27 11 19 00-0018)*		
27 11 19 00-0020		**Wall Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	99.68	17.99
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	149.24	17.99
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	222.58	17.99
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	328.23	29.99
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	458.79	29.99
27 11 19 00-0026		**Rack Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	341.61	29.99
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	391.40	29.99
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	421.84	29.99
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	495.42	29.99
27 11 19 00-0031		**Rack Mount, Fiber Optic Cable Pretium® Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	426.93	29.99
		For Splice Tray Bracket, Add	*46.05*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	500.98	29.99
		For Splice Tray Bracket, Add	*50.36*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	625.77	29.99
		For Splice Tray Bracket, Add	*183.48*	
27 11 19 00-0035		**Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	543.11	29.99
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	695.80	29.99
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	788.35	29.99
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,024.41	29.99
27 11 19 00-0040		**Wall Mount, Fiber Optic Cable Industrial Connector Housings** *(27 11 19 00-0019)* Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	486.34	17.99
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	671.91	29.99
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	705.34	29.99
27 11 19 00-0044		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0019)* Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	509.45	17.99
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	671.51	29.99
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	789.78	29.99
27 11 19 00-0048		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0018)*		
27 11 19 00-0049		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	66.69	4.00
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	72.43	4.00
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	81.34	4.00
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	88.98	4.00
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	110.65	4.00
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	122.09	4.00
27 11 19 00-0056		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	64.16	4.00
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	65.50	4.00
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	77.98	4.00
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	79.77	4.00
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	105.60	4.00
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	108.27	4.00
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	69.33	4.00
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	76.09	4.00
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	84.85	4.00
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	93.87	4.00
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	115.93	4.00
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	129.44	4.00
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	147.00	4.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	165.00	4.00
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	209.11	4.00
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	215.39	4.00
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	55.33	4.00
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	59.67	4.00
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	66.20	4.00
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	71.99	4.00
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	87.91	4.00
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	96.61	4.00
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	68.93	4.00
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	103.44	4.00
27 11 19 00-0084		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	598.25	4.00
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	600.32	4.00
27 11 19 00-0087		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0088		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	233.75	39.98
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	354.55	29.99
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	359.94	29.99
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	67.05	9.99
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	128.73	29.99
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	47.89	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	63.98	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	69.72	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	77.63	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	313.69	39.98
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	22.86	8.01
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG	42.03	8.01
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG	34.19	8.01
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	17.88	8.01
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	12.70	5.61
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	23.69	8.01
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	17.88	8.01
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG	12.58	5.61
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	12.49	5.61
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	12.87	5.61
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	12.03	4.01
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	15.31	4.01
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	21.05	4.01
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	15.29	4.81
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	20.72	4.81
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	29.62	4.81
27 11 19 00-0122		**Outlet Termination Hardware** *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	22.42	4.01
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box Note: Excludes box.	66.63	30.39
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	56.78	17.99
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	56.78	17.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	33.53	12.00
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	84.15	20.00
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	84.15	20.00
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	100.61	20.00
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	100.61	20.00
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	91.95	20.00
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	781.99	99.97
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	39.66	8.00
27 11 19 00-0135	EA	5-Pair, Connecting Block	2.41	0.80
27 11 19 00-0136	EA	4-Pair, Connecting Block	2.59	0.80
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	9.82	1.99
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	2.71	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	2.71	

27 11 19 00-0140 Terminations in Manhole or Junction Box *(27 11 19 00-0103)*

27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	127.96	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	255.92	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	511.84	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	767.76	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	898.12	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	1,346.78	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	1,693.87	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	2,117.73	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	3,176.59	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	3,852.36	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	4,390.66	

27 11 23 Communications Cable Management and Ladder Rack *(27 11)*

27 11 23 00-0001 Equipment Supports *(27 11 23)*

27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	24.37	4.00
27 11 23 00-0003	LF	Velcro CMP	1.97	0.80
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	75.82	19.19
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	130.74	31.99
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	24.03	5.99
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	10.49	4.00
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	11.10	4.00
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	25.19	7.20
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	53.17	12.00
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	4.92	1.76
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	27.57	9.99

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001 Modular Plugs For Copper Communications Cable *(27 13 13 13)*

27 13 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	19.51	
		For >5 To 10, Deduct	*-2.39*	
		For >10, Deduct	*-4.79*	
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	22.25	
		For >5 To 10, Deduct	*-2.69*	
		For >10, Deduct	*-5.39*	

27 13 13 13-0004 Communications Termination Blocks *(27 13 13 13)*

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs	37.88	9.99
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs	63.88	9.99
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	8.51	4.00
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block	4.79	1.99
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block	4.88	1.99
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	203.17	12.00
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	479.26	12.00

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	4.00	
		For >25-Pair, Deduct	*-1.60*	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable	5.99	
		For >25-Pair, Deduct	*-2.39*	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable	9.59	
		For >25-Pair, Deduct	*-3.83*	
27 13 13 13-0016	EA	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	16.00	
		For >25-Pair, Deduct	*-6.38*	
27 13 13 13-0017	EA	Certify 4-Pair Cat 5-7 Telecommunications Cable	24.00	
		For >25-Pair, Deduct	*-9.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0018	EA	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable	38.39	
		For >25-Pair, Deduct	*-15.32*	
27 13 13 13-0019		**Building Entrance Terminals** *(27 13 13 13)*		
27 13 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,575.48	175.18
27 13 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,112.50	291.97
27 13 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,000.79	467.51
27 13 23		**Communications Optical Fiber Backbone Cabling** *(27 13)*		
27 13 23 13		**Communications Optical Fiber Splicing And Terminations** *(27 13 23)*		
27 13 23 13-0001		**Fiber Optic Cable Splice Closures** *(27 13 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0002	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	583.42	79.98
27 13 23 13-0003	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	743.37	159.95
27 13 23 13-0004	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	743.37	159.95
27 13 23 13-0005	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	966.60	79.98
27 13 23 13-0006	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,126.55	159.95
27 13 23 13-0007	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,126.55	159.95
27 13 23 13-0008	EA	Splice Tray For Fiber Optic Cable Splice Closure	41.35	9.99
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0009		**Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0010	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	24.00	
27 13 23 13-0011	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	79.98	
27 13 23 13-0012		**Fiber Optic Cable Testing** *(27 13 23 13)*		
		Note: Price based on testing one wavelength. Includes all connections, terminations and other requirements to perform a test.		
27 13 23 13-0013		**Fiber Optic Cable Testing Using An OTDR** *(27 13 23 13-0012)*		
		Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0014	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	16.00	
		For >12 To 48 Strands, Deduct	*-1.20*	
		For >48 Strands, Deduct	*-1.60*	
27 13 23 13-0015	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	24.00	
		For >12 To 48 Strands, Deduct	*-1.80*	
		For >48 Strands, Deduct	*-2.40*	
27 13 23 13-0016	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	39.98	
		For >12 To 48 Strands, Deduct	*-3.00*	
		For >48 Strands, Deduct	*-4.00*	
27 13 23 13-0017	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	59.98	
		For >12 To 48 Strands, Deduct	*-4.50*	
		For >48 Strands, Deduct	*-6.00*	
27 13 23 13-0018		**Fiber Optic Cable Testing Using A Power Meter** *(27 13 23 13-0012)*		
27 13 23 13-0019	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	16.00	
		For >12 To 48 Strands, Deduct	*-1.20*	
		For >48 Strands, Deduct	*-1.60*	
27 13 23 13-0020	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	24.00	
		For >12 To 48 Strands, Deduct	*-1.80*	
		For >48 Strands, Deduct	*-2.40*	
27 13 23 13-0021		**Fiber Optic Cable Light Source/Continuity Testing** *(27 13 23 13-0012)*		
27 13 23 13-0022	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	16.00	
		For >12 To 48 Strands, Deduct	*-1.20*	
		For >48 Strands, Deduct	*-1.60*	
27 13 23 13-0023		**Other Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0024	EA	Fiber Optic Finger Splice	28.12	15.03
27 13 23 13-0025	EA	Fiber Optic Splice Box - Manholes	4,558.67	
27 13 23 13-0026		**Fiber Optic Cable Fan Out Kits** *(27 13 23 13)*		
27 13 23 13-0027		**Buffer Tube Fan Out Kits For Fiber Optic Cable** *(27 13 23 13-0026)*		
27 13 23 13-0028	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	173.67	
27 13 23 13-0029	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	176.29	
27 13 23 13-0030	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	198.42	
27 13 23 13-0031	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	215.01	
27 13 23 13-0032		**Spider Fan Out Kits For Fiber Optic Cable** *(27 13 23 13-0026)*		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	205.94	
27 13 23 13-0034	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	223.53	
27 13 23 13-0035	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	326.50	
27 13 23 13-0036	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	424.06	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors And Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors And Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors And Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable *(27 15 01 19)*

27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*

27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,285.35	544.15
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,569.09	563.83
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,465.50	618.52
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,916.96	640.60
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,682.06	692.43
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,324.48	717.37
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,146.22	791.76
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,143.41	819.98

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,192.28	1,088.46
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,508.79	1,127.65
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,496.37	1,237.21
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,984.62	1,281.20
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,836.10	1,385.16
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,520.12	1,434.75
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,465.80	1,583.50
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,510.19	1,640.28

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	824.49	445.30
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	889.78	461.14
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,003.24	544.15
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,067.66	553.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,107.04	563.83
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,233.11	583.49
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,413.22	603.17
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,169.01	618.52
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,309.77	640.60
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,352.01	692.43
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,571.01	717.37
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,645.24	791.76
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,997.37	819.98
27 15 01 19-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	818.01	445.30
27 15 01 19-0038	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	999.03	544.15
27 15 01 19-0039	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,108.33	553.98
27 15 01 19-0040	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,118.30	563.83
27 15 01 19-0041	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,291.89	583.49
27 15 01 19-0042	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,162.65	618.52
27 15 01 19-0043	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,324.04	640.60
27 15 01 19-0044	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,323.38	692.43
27 15 01 19-0045	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,684.78	717.37
27 15 01 19-0046	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,635.88	791.76
27 15 01 19-0047	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,170.09	819.98
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,560.17	890.93
27 15 01 19-0050	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,905.96	1,088.46
27 15 01 19-0051	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,031.24	1,107.65
27 15 01 19-0052	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,058.00	1,127.65
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,264.38	1,166.84
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,193.52	1,237.21
27 15 01 19-0055	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,391.70	1,281.20
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,477.42	1,385.16
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,880.42	1,434.75
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,955.46	1,583.50
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,536.87	1,640.28
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	844.68	445.30
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,018.08	544.15
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,179.03	553.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,137.79	563.83
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,311.82	583.49
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,206.42	618.52
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,344.28	640.60
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,417.78	692.43
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,637.45	717.37
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,705.74	791.76
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,026.37	819.98
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,586.84	890.93
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,925.01	1,088.46
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,101.94	1,107.65
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,077.49	1,127.65
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,284.31	1,166.84
27 15 01 19-0079	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,237.29	1,237.21
27 15 01 19-0080	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,411.94	1,281.20
27 15 01 19-0081	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,571.82	1,385.16
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,833.09	1,434.75
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,025.32	1,583.50
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,393.15	1,640.28
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	826.22	445.30
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,039.83	544.15
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,122.03	553.98
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,191.16	563.83
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,342.47	583.49
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,199.46	618.52
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,406.24	640.60
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,404.19	692.43
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,775.60	717.37
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,688.26	791.76
27 15 01 19-0097		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*		
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,568.38	890.93
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,946.76	1,088.46
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,044.94	1,107.65
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,130.86	1,127.65
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,314.96	1,166.84
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,230.33	1,237.21
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,473.90	1,281.20
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,558.23	1,385.16
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,971.24	1,434.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,007.84	1,583.50

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0002 Indoor Telecommunications Cable *(27 15 13 00-0001)*

Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.

27 15 13 00-0003 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0002)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0003)*

27 15 13 00-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0005)*

27 15 13 00-0007	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	621.63	335.90
27 15 13 00-0008	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	648.01	335.90
27 15 13 00-0009	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	657.33	335.90
27 15 13 00-0010	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	789.78	383.88
27 15 13 00-0011	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	983.94	383.88
27 15 13 00-0012	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,292.23	383.88
27 15 13 00-0013	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,035.07	479.85
27 15 13 00-0014	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,661.35	767.76
27 15 13 00-0015	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,924.00	863.73
27 15 13 00-0016	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,506.39	959.70
27 15 13 00-0017	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,505.00	1,343.58
27 15 13 00-0018	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,438.97	1,660.28
27 15 13 00-0019	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	19,648.27	2,303.28
27 15 13 00-0020	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	32,079.14	4,606.56
27 15 13 00-0021	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	43,736.71	6,909.84

27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0005)*

27 15 13 00-0023	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,181.45	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0024	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,207.83	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0025	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,217.15	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0026	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,269.63	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0027	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,463.79	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0028	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,932.03	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0029	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,834.82	959.70
		For Work In Restricted Working Space, Add	*479.85*	
27 15 13 00-0030	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,301.15	1,151.64
		For Work In Restricted Working Space, Add	*575.82*	
27 15 13 00-0031	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,643.78	1,295.59
		For Work In Restricted Working Space, Add	*647.80*	
27 15 13 00-0032	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,306.14	1,439.55
		For Work In Restricted Working Space, Add	*719.78*	
27 15 13 00-0033	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,624.65	2,015.37
		For Work In Restricted Working Space, Add	*1,007.69*	
27 15 13 00-0034	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	13,830.53	2,495.22
		For Work In Restricted Working Space, Add	*1,247.61*	
27 15 13 00-0035	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	21,567.67	3,454.92
		For Work In Restricted Working Space, Add	*1,727.46*	
27 15 13 00-0036	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	35,917.94	6,909.84
		For Work In Restricted Working Space, Add	*3,454.92*	
27 15 13 00-0037	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	49,494.91	10,364.76
		For Work In Restricted Working Space, Add	*5,182.38*	

27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0038)*

27 15 13 00-0040	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,060.11	383.88
27 15 13 00-0041	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,054.31	479.85
27 15 13 00-0042	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,561.31	767.76
27 15 13 00-0043	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,815.76	959.70
27 15 13 00-0044	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	14,426.52	1,343.58
27 15 13 00-0045	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	18,777.78	1,660.28
27 15 13 00-0046	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	27,816.76	2,303.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0047		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0038)*		
27 15 13 00-0048	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,699.91	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0049	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,854.06	959.70
		For Work In Restricted Working Space, Add	*479.85*	
27 15 13 00-0050	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,201.11	1,151.64
		For Work In Restricted Working Space, Add	*575.82*	
27 15 13 00-0051	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,615.51	1,439.55
		For Work In Restricted Working Space, Add	*719.78*	
27 15 13 00-0052	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	15,546.17	2,015.37
		For Work In Restricted Working Space, Add	*1,007.69*	
27 15 13 00-0053	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	20,169.34	2,495.22
		For Work In Restricted Working Space, Add	*1,247.61*	
27 15 13 00-0054	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	29,736.16	3,454.92
		For Work In Restricted Working Space, Add	*1,727.46*	
27 15 13 00-0055		Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0003)*		
27 15 13 00-0056		24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0055)*		
27 15 13 00-0057		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0056)*		
27 15 13 00-0058	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	642.97	335.90
27 15 13 00-0059	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	669.23	335.90
27 15 13 00-0060	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	688.88	335.90
27 15 13 00-0061	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	825.21	383.88
27 15 13 00-0062	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,036.86	383.88
27 15 13 00-0063	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,610.56	383.88
27 15 13 00-0064	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,683.16	479.85
27 15 13 00-0065	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,019.27	767.76
27 15 13 00-0066	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,634.34	959.70
27 15 13 00-0067	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	12,924.92	1,343.58
27 15 13 00-0068		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0056)*		
27 15 13 00-0069	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,202.79	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0070	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,229.05	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0071	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,248.70	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0072	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,305.06	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0073	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,516.71	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0074	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,250.36	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0075	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,482.91	959.70
		For Work In Restricted Working Space, Add	*479.85*	
27 15 13 00-0076	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	5,659.07	1,151.64
		For Work In Restricted Working Space, Add	*575.82*	
27 15 13 00-0077	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,434.09	1,439.55
		For Work In Restricted Working Space, Add	*719.78*	
27 15 13 00-0078	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	14,044.57	2,015.37
		For Work In Restricted Working Space, Add	*1,007.69*	
27 15 13 00-0079		Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0080		Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0079)*		
27 15 13 00-0081		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0080)*		
27 15 13 00-0082	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	704.66	335.90
27 15 13 00-0083	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	738.59	335.90
27 15 13 00-0084	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	819.20	383.88
27 15 13 00-0085	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	853.12	383.88
27 15 13 00-0086		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0080)*		
27 15 13 00-0087	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,264.48	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0088	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,298.41	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0089	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,459.00	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0090	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,492.92	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0091		Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0092		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0091)*		
27 15 13 00-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	829.41	335.90
27 15 13 00-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,174.45	383.88
27 15 13 00-0095		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0091)*		
27 15 13 00-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,389.23	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,814.25	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0098		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0099		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0098)*		
27 15 13 00-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0099)*		
27 15 13 00-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,070.01	335.90
27 15 13 00-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,127.06	335.90
27 15 13 00-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0099)*		
27 15 13 00-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,629.83	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,686.88	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0098)*		
27 15 13 00-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0106)*		
27 15 13 00-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,597.80	335.90
27 15 13 00-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0106)*		
27 15 13 00-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,157.62	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0111		Category 6a, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0111)*		
27 15 13 00-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0112)*		
27 15 13 00-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	1,161.16	335.90
27 15 13 00-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0112)*		
27 15 13 00-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,720.98	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0117		Category 6a, Indoor Telecommunications Plenum Cable *(27 15 13 00-0111)*		
27 15 13 00-0118		Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0117)*		
27 15 13 00-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,867.58	335.90
27 15 13 00-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0117)*		
27 15 13 00-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed	2,427.40	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 13 00-0122		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0122)*		
27 15 13 00-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,957.96	383.88
27 15 13 00-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	6,298.56	383.88
27 15 13 00-0126		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0122)*		
27 15 13 00-0127	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,597.76	767.76
		For Work In Restricted Working Space, Add	*383.88*	
27 15 13 00-0128	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	6,938.36	767.76
		For Work In Restricted Working Space, Add	*383.88*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0129		Outdoor Telecommunications Cable *(27 15 13 00-0001)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0132		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0131)*		
27 15 13 00-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,185.79	383.88
27 15 13 00-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,416.73	671.79
27 15 13 00-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,994.19	431.86
27 15 13 00-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,021.89	479.85
27 15 13 00-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,283.78	671.79
27 15 13 00-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,387.92	767.76
27 15 13 00-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,235.36	863.73
27 15 13 00-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,575.52	1,247.61
27 15 13 00-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,987.44	1,631.49
27 15 13 00-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,428.42	2,207.31
27 15 13 00-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	38,611.33	4,414.62
27 15 13 00-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	52,792.22	6,525.96
27 15 13 00-0145		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0131)*		
27 15 13 00-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,065.83	
27 15 13 00-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,296.77	
27 15 13 00-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,834.24	
27 15 13 00-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,861.94	
27 15 13 00-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,043.85	
27 15 13 00-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,988.04	
27 15 13 00-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,075.41	
27 15 13 00-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,095.67	
27 15 13 00-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,987.75	
27 15 13 00-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,668.97	
27 15 13 00-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	33,812.83	
27 15 13 00-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,754.41	
27 15 13 00-0158		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0159		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0158)*		
27 15 13 00-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,332.60	383.88
27 15 13 00-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,691.02	383.88
27 15 13 00-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,555.64	431.86
27 15 13 00-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,021.22	479.85
27 15 13 00-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,845.46	671.79
27 15 13 00-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,510.97	767.76
27 15 13 00-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,331.02	863.73
27 15 13 00-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	19,416.76	1,247.61
27 15 13 00-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,861.95	1,631.49
27 15 13 00-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	38,179.78	2,207.31
27 15 13 00-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	55,978.17	4,414.62
27 15 13 00-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	78,774.60	6,525.96
27 15 13 00-0172		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0158)*		
27 15 13 00-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,212.64	
27 15 13 00-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,571.06	
27 15 13 00-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,395.69	
27 15 13 00-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,861.27	
27 15 13 00-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,605.53	
27 15 13 00-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,271.04	
27 15 13 00-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,171.07	
27 15 13 00-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	18,936.91	
27 15 13 00-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,862.26	
27 15 13 00-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	36,420.33	
27 15 13 00-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	51,179.67	
27 15 13 00-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	71,736.79	
27 15 13 00-0185		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0186		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0185)*		
27 15 13 00-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,286.50	431.86
27 15 13 00-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,404.48	479.85
27 15 13 00-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,863.65	671.79
27 15 13 00-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	14,212.23	767.76
27 15 13 00-0191		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0185)*		
27 15 13 00-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,126.55	
27 15 13 00-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,244.53	
27 15 13 00-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,623.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,972.30	
27 15 13 00-0196		PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0198		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0197)*		
27 15 13 00-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,686.28	671.79
27 15 13 00-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,968.81	671.79
27 15 13 00-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,538.80	671.79
27 15 13 00-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,565.23	671.79
27 15 13 00-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,647.00	671.79
27 15 13 00-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,193.67	863.73
27 15 13 00-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,882.70	1,247.61
27 15 13 00-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	19,580.24	1,631.49
27 15 13 00-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,754.02	2,207.31
27 15 13 00-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	41,618.91	4,414.62
27 15 13 00-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	60,592.66	6,525.96
27 15 13 00-0210		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0197)*		
27 15 13 00-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,446.35	
27 15 13 00-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,728.88	
27 15 13 00-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,298.87	
27 15 13 00-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,325.30	
27 15 13 00-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,407.07	
27 15 13 00-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	10,033.72	
27 15 13 00-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,402.85	
27 15 13 00-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,580.55	
27 15 13 00-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	24,994.57	
27 15 13 00-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	36,820.41	
27 15 13 00-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	53,554.85	
27 15 13 00-0222		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0223		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0222)*		
27 15 13 00-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,849.62	671.79
27 15 13 00-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,264.78	671.79
27 15 13 00-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,148.27	671.79
27 15 13 00-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,773.57	671.79
27 15 13 00-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,165.36	671.79
27 15 13 00-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,040.20	863.73
27 15 13 00-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	22,036.78	1,247.61
27 15 13 00-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,232.95	1,631.49
27 15 13 00-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,432.24	2,207.31
27 15 13 00-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	62,147.88	4,414.62
27 15 13 00-0234		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0222)*		
27 15 13 00-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,609.69	
27 15 13 00-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,024.85	
27 15 13 00-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,908.34	
27 15 13 00-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,533.64	
27 15 13 00-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,925.43	
27 15 13 00-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,880.25	
27 15 13 00-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	21,556.93	
27 15 13 00-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,233.26	
27 15 13 00-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	37,672.79	
27 15 13 00-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	57,349.38	
27 15 13 00-0245		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0246		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0245)*		
27 15 13 00-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,105.40	671.79
27 15 13 00-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,401.72	671.79
27 15 13 00-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,237.14	671.79
27 15 13 00-0250		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0245)*		
27 15 13 00-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,865.47	
27 15 13 00-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,161.79	
27 15 13 00-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,997.21	
27 15 13 00-0254		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes support wire.		
27 15 13 00-0255		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,866.23	1,338.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0257	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,101.31	1,338.45
27 15 13 00-0258	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,684.96	1,338.45
27 15 13 00-0259	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,765.58	1,338.45
27 15 13 00-0260	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,852.77	1,338.45
27 15 13 00-0261	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,311.18	1,472.29
27 15 13 00-0262	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,795.41	1,606.14
27 15 13 00-0263		**22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0264	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,147.48	1,338.45
27 15 13 00-0265	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,494.79	1,338.45
27 15 13 00-0266	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,331.33	1,338.45
27 15 13 00-0267	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,983.98	1,338.45
27 15 13 00-0268	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,686.40	1,338.45
27 15 13 00-0269	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,353.53	1,472.29
27 15 13 00-0270		**19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0271	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,519.31	1,338.45
27 15 13 00-0272	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,304.74	1,338.45
27 15 13 00-0273	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,849.03	1,338.45
27 15 13 00-0274	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,937.62	1,338.45
27 15 13 00-0275	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,208.96	1,338.45
27 15 13 00-0276		**Solid Conductor Low Voltage Cable** *(27 15 13)*		
27 15 13 00-0277		**Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0276)*		
27 15 13 00-0278		**#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0277)*		
27 15 13 00-0279	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,712.02	722.61
		For #10 AWG, Add	*408.39*	
		For Work In Restricted Working Space, Add	*361.34*	
27 15 13 00-0280	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,183.94	748.16
		For #10 AWG, Add	*558.55*	
		For Work In Restricted Working Space, Add	*374.19*	
27 15 13 00-0281	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,595.30	774.44
		For #10 AWG, Add	*688.70*	
		For Work In Restricted Working Space, Add	*387.11*	
27 15 13 00-0282	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,031.32	800.72
		For #10 AWG, Add	*826.80*	
		For Work In Restricted Working Space, Add	*400.48*	
27 15 13 00-0283	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,489.64	854.73
		For #10 AWG, Add	*966.34*	
		For Work In Restricted Working Space, Add	*427.49*	
27 15 13 00-0284	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,905.01	908.01
		For #10 AWG, Add	*1,091.87*	
		For Work In Restricted Working Space, Add	*454.13*	
27 15 13 00-0285	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,211.21	1,016.04
		For #10 AWG, Add	*1,169.60*	
		For Work In Restricted Working Space, Add	*507.92*	
27 15 13 00-0286	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,589.39	1,339.38
		For #10 AWG, Add	*1,554.35*	
		For Work In Restricted Working Space, Add	*669.56*	
27 15 13 00-0287	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,332.17	1,978.06
		For #10 AWG, Add	*2,321.15*	
		For Work In Restricted Working Space, Add	*988.77*	
27 15 13 00-0288		**#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0277)*		
27 15 13 00-0289	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,538.23	632.11
		For Work In Restricted Working Space, Add	*315.98*	
27 15 13 00-0290	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,986.15	654.73
		For Work In Restricted Working Space, Add	*327.37*	
27 15 13 00-0291	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,375.99	677.36
		For Work In Restricted Working Space, Add	*338.75*	
27 15 13 00-0292	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,788.71	700.72
		For Work In Restricted Working Space, Add	*350.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,219.42	748.16
		For Work In Restricted Working Space, Add	*374.01*	
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,608.83	794.87
		For Work In Restricted Working Space, Add	*397.22*	
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,887.70	889.03
		For Work In Restricted Working Space, Add	*444.51*	
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,160.50	1,171.50
		For Work In Restricted Working Space, Add	*585.75*	
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,696.58	1,730.62
		For Work In Restricted Working Space, Add	*865.38*	

27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,367.91	564.22
		For Work In Restricted Working Space, Add	*282.26*	
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,659.71	584.66
		For Work In Restricted Working Space, Add	*292.33*	
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,105.96	605.09
		For Work In Restricted Working Space, Add	*302.40*	
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,470.36	625.54
		For Work In Restricted Working Space, Add	*312.91*	
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,850.30	667.87
		For Work In Restricted Working Space, Add	*333.93*	
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,194.42	709.47
		For Work In Restricted Working Space, Add	*354.74*	
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,317.87	751.81
		For Work In Restricted Working Space, Add	*375.76*	
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,442.04	794.14
		For Work In Restricted Working Space, Add	*397.00*	
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,879.10	844.50
		For Work In Restricted Working Space, Add	*422.18*	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,568.34	1,045.96
		For Work In Restricted Working Space, Add	*523.02*	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,812.92	1,545.22
		For Work In Restricted Working Space, Add	*772.65*	

27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,129.27	497.07
		For Work In Restricted Working Space, Add	*248.32*	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,414.10	514.58
		For Work In Restricted Working Space, Add	*257.30*	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,662.83	532.11
		For Work In Restricted Working Space, Add	*266.27*	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,925.32	550.35
		For Work In Restricted Working Space, Add	*275.25*	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,206.15	587.58
		For Work In Restricted Working Space, Add	*293.86*	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,461.49	624.07
		For Work In Restricted Working Space, Add	*312.26*	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,660.22	698.52
		For Work In Restricted Working Space, Add	*349.26*	
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,528.95	920.42
		For Work In Restricted Working Space, Add	*460.28*	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,258.39	1,359.83
		For Work In Restricted Working Space, Add	*679.91*	

27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	984.27	451.82
		For Work In Restricted Working Space, Add	*225.76*	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,208.43	467.87
		For Work In Restricted Working Space, Add	*233.86*	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,402.32	484.29
		For Work In Restricted Working Space, Add	*241.97*	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,606.65	500.72
		For Work In Restricted Working Space, Add	*250.29*	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,832.75	534.30
		For Work In Restricted Working Space, Add	*267.04*	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,037.69	567.87
		For Work In Restricted Working Space, Add	*283.79*	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,224.75	635.02
		For Work In Restricted Working Space, Add	*317.51*	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,927.73	837.20
		For Work In Restricted Working Space, Add	*418.46*	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,359.85	1,236.47
		For Work In Restricted Working Space, Add	*618.16*	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,668.23	1,265.67
		For Work In Restricted Working Space, Add	*632.83*	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,591.58	1,473.69
		For Work In Restricted Working Space, Add	*736.85*	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,002.41	1,577.34
		For Work In Restricted Working Space, Add	*788.74*	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,105.48	1,971.49
		For Work In Restricted Working Space, Add	*985.59*	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,731.33	2,595.56
		For Work In Restricted Working Space, Add	*1,297.63*	

27 15 13 00-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	798.59	406.56
		For Work In Restricted Working Space, Add	*203.21*	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	867.33	421.16
		For Work In Restricted Working Space, Add	*210.43*	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	953.83	435.75
		For Work In Restricted Working Space, Add	*217.88*	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,048.82	450.35
		For Work In Restricted Working Space, Add	*225.32*	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,183.40	481.01
		For Work In Restricted Working Space, Add	*240.43*	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,320.81	509.48
		For Work In Restricted Working Space, Add	*254.89*	

27 15 13 00-0342 Triad *(27 15 13 00-0277)*

27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	1,479.15	605.09
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	1,961.42	837.20
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	3,014.75	1,236.47
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	3,708.56	1,473.69
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	5,981.81	2,283.16
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,860.05	2,595.56

27 15 13 00-0349 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*

27 15 13 00-0350 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,916.49	1,445.23
		For #10 AWG, Add	*649.28*	
		For Work In Restricted Working Space, Add	*722.68*	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,431.24	1,496.32
		For #10 AWG, Add	*808.01*	
		For Work In Restricted Working Space, Add	*748.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,885.65	1,548.87
		For #10 AWG, Add	*946.77*	
		For Work In Restricted Working Space, Add	*774.21*	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,366.25	1,601.42
		For #10 AWG, Add	*1,093.78*	
		For Work In Restricted Working Space, Add	*800.96*	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,914.60	1,709.45
		For #10 AWG, Add	*1,251.33*	
		For Work In Restricted Working Space, Add	*854.98*	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,418.76	1,816.01
		For #10 AWG, Add	*1,394.62*	
		For Work In Restricted Working Space, Add	*908.25*	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,904.27	2,032.07
		For #10 AWG, Add	*1,508.21*	
		For Work In Restricted Working Space, Add	*1,015.84*	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,821.27	2,678.78
		For #10 AWG, Add	*2,000.73*	
		For Work In Restricted Working Space, Add	*1,339.13*	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,628.08	3,956.12
		For #10 AWG, Add	*2,980.33*	
		For Work In Restricted Working Space, Add	*1,977.55*	

27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,591.49	1,264.20
		For Work In Restricted Working Space, Add	*631.96*	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,077.36	1,309.46
		For Work In Restricted Working Space, Add	*654.73*	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,505.16	1,354.71
		For Work In Restricted Working Space, Add	*677.50*	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,956.57	1,401.43
		For Work In Restricted Working Space, Add	*700.72*	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,466.11	1,496.32
		For Work In Restricted Working Space, Add	*748.01*	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,932.88	1,589.75
		For Work In Restricted Working Space, Add	*794.43*	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,369.42	1,778.06
		For Work In Restricted Working Space, Add	*889.03*	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,113.00	2,343.01
		For Work In Restricted Working Space, Add	*1,171.50*	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,581.20	3,461.24
		For Work In Restricted Working Space, Add	*1,730.77*	

27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,308.77	1,128.44
		For Work In Restricted Working Space, Add	*564.51*	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,634.14	1,169.32
		For Work In Restricted Working Space, Add	*584.66*	
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,113.97	1,210.19
		For Work In Restricted Working Space, Add	*604.81*	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,513.40	1,251.07
		For Work In Restricted Working Space, Add	*625.82*	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,963.42	1,335.73
		For Work In Restricted Working Space, Add	*667.87*	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,376.88	1,418.94
		For Work In Restricted Working Space, Add	*709.47*	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,570.39	1,503.62
		For Work In Restricted Working Space, Add	*751.52*	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,765.37	1,588.29
		For Work In Restricted Working Space, Add	*794.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,286.37	1,689.02
		For Work In Restricted Working Space, Add	*844.36*	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,311.73	2,091.93
		For Work In Restricted Working Space, Add	*1,046.03*	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,388.41	3,090.44
		For Work In Restricted Working Space, Add	*1,545.29*	

27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,956.99	994.14
		For Work In Restricted Working Space, Add	*496.63*	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,271.75	1,029.18
		For Work In Restricted Working Space, Add	*514.59*	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,550.41	1,064.21
		For Work In Restricted Working Space, Add	*532.55*	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,842.81	1,100.71
		For Work In Restricted Working Space, Add	*550.50*	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,185.70	1,175.15
		For Work In Restricted Working Space, Add	*587.73*	
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,502.33	1,248.15
		For Work In Restricted Working Space, Add	*624.51*	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,824.43	1,397.05
		For Work In Restricted Working Space, Add	*698.53*	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,063.23	1,840.84
		For Work In Restricted Working Space, Add	*920.57*	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,524.75	2,719.64
		For Work In Restricted Working Space, Add	*1,359.82*	

27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,736.80	903.63
		For Work In Restricted Working Space, Add	*451.52*	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,987.98	935.75
		For Work In Restricted Working Space, Add	*467.73*	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,208.87	968.59
		For Work In Restricted Working Space, Add	*483.93*	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,440.94	1,001.44
		For Work In Restricted Working Space, Add	*500.57*	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,722.88	1,068.59
		For Work In Restricted Working Space, Add	*534.08*	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,983.66	1,135.74
		For Work In Restricted Working Space, Add	*567.58*	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,283.13	1,270.05
		For Work In Restricted Working Space, Add	*635.03*	
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,322.59	1,674.42
		For Work In Restricted Working Space, Add	*836.92*	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,420.37	2,472.94
		For Work In Restricted Working Space, Add	*1,236.32*	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,777.66	2,531.33
		For Work In Restricted Working Space, Add	*1,265.66*	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,047.73	2,947.38
		For Work In Restricted Working Space, Add	*1,473.69*	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,631.55	3,154.67
		For Work In Restricted Working Space, Add	*1,577.48*	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,390.80	3,942.98
		For Work In Restricted Working Space, Add	*1,971.19*	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,056.75	5,191.13
		For Work In Restricted Working Space, Add	*2,595.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0407		**#22 AWG, Shielded, Low Voltage Cable, Installed Exposed** *(27 15 13 00-0349)*		
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,475.94	813.12
		For Work In Restricted Working Space, Add	*406.41*	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,568.78	842.32
		For Work In Restricted Working Space, Add	*420.87*	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,680.09	871.51
		For Work In Restricted Working Space, Add	*435.76*	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,799.90	900.71
		For Work In Restricted Working Space, Add	*450.65*	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,984.85	962.03
		For Work In Restricted Working Space, Add	*480.87*	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,170.42	1,018.96
		For Work In Restricted Working Space, Add	*509.77*	
27 15 13 00-0414		**Triad, Installed Exposed** *(27 15 13 00-0349)*		
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	1,479.15	605.09
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	1,961.42	837.20
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,014.75	1,236.47
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,708.56	1,473.69
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	5,981.81	2,283.16
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,860.05	2,595.56
27 15 13 00-0421		**Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0276)*		
27 15 13 00-0422		**#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,309.90	632.11
		For Work In Restricted Working Space, Add	*315.98*	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,564.81	654.73
		For Work In Restricted Working Space, Add	*327.37*	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,788.98	677.36
		For Work In Restricted Working Space, Add	*338.75*	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,025.61	700.72
		For Work In Restricted Working Space, Add	*350.36*	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,289.19	747.43
		For Work In Restricted Working Space, Add	*373.57*	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,532.41	794.14
		For Work In Restricted Working Space, Add	*397.00*	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,754.94	889.03
		For Work In Restricted Working Space, Add	*444.51*	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,650.15	1,171.50
		For Work In Restricted Working Space, Add	*585.75*	
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,431.07	1,730.62
		For Work In Restricted Working Space, Add	*865.38*	
27 15 13 00-0432		**#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,166.85	564.22
		For Work In Restricted Working Space, Add	*282.26*	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,391.48	584.66
		For Work In Restricted Working Space, Add	*292.33*	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,589.04	605.09
		For Work In Restricted Working Space, Add	*302.40*	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,798.37	625.54
		For Work In Restricted Working Space, Add	*312.91*	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,031.70	667.14
		For Work In Restricted Working Space, Add	*333.72*	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,247.17	709.47
		For Work In Restricted Working Space, Add	*354.74*	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,345.50	751.81
		For Work In Restricted Working Space, Add	*375.76*	

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27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,517.01	794.14
		For Work In Restricted Working Space, Add	*397.00*	
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,799.82	844.50
		For Work In Restricted Working Space, Add	*422.16*	
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,238.34	1,045.96
		For Work In Restricted Working Space, Add	*523.02*	
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,818.27	1,545.22
		For Work In Restricted Working Space, Add	*772.76*	

27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,016.34	496.34
		For Work In Restricted Working Space, Add	*248.32*	
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,195.86	514.58
		For Work In Restricted Working Space, Add	*257.30*	
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,303.83	532.83
		For Work In Restricted Working Space, Add	*266.27*	
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,450.83	550.35
		For Work In Restricted Working Space, Add	*275.25*	
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,616.94	587.58
		For Work In Restricted Working Space, Add	*293.86*	
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,782.32	624.81
		For Work In Restricted Working Space, Add	*312.26*	
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,178.85	698.52
		For Work In Restricted Working Space, Add	*349.26*	
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,821.31	920.42
		For Work In Restricted Working Space, Add	*460.28*	
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,672.09	1,359.83
		For Work In Restricted Working Space, Add	*679.91*	

27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	885.68	451.82
		For Work In Restricted Working Space, Add	*225.76*	
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,006.51	467.87
		For Work In Restricted Working Space, Add	*233.86*	
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,202.85	532.83
		For Work In Restricted Working Space, Add	*266.27*	
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,342.28	560.13
		For Work In Restricted Working Space, Add	*280.07*	
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,478.37	587.58
		For Work In Restricted Working Space, Add	*293.86*	
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,618.59	624.81
		For Work In Restricted Working Space, Add	*312.26*	
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,776.34	695.31
		For Work In Restricted Working Space, Add	*347.73*	
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,206.05	837.20
		For Work In Restricted Working Space, Add	*418.46*	
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,277.32	1,236.47
		For Work In Restricted Working Space, Add	*618.16*	
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,463.53	1,265.67
		For Work In Restricted Working Space, Add	*632.83*	
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,115.40	1,473.69
		For Work In Restricted Working Space, Add	*736.85*	
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,414.25	1,577.34
		For Work In Restricted Working Space, Add	*788.74*	
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,306.91	1,971.49
		For Work In Restricted Working Space, Add	*985.59*	
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,186.19	2,595.56
		For Work In Restricted Working Space, Add	*1,297.63*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0469		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*		
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	765.63	406.56
		For Work In Restricted Working Space, Add	*203.21*	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	822.23	421.16
		For Work In Restricted Working Space, Add	*210.43*	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	898.00	435.75
		For Work In Restricted Working Space, Add	*217.88*	
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	981.33	450.35
		For Work In Restricted Working Space, Add	*225.32*	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,086.42	481.01
		For Work In Restricted Working Space, Add	*240.43*	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,201.17	509.48
		For Work In Restricted Working Space, Add	*254.89*	
27 15 13 00-0476		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*		
27 15 13 00-0477		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,363.16	1,264.20
		For Work In Restricted Working Space, Add	*631.96*	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,656.02	1,309.46
		For Work In Restricted Working Space, Add	*654.73*	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,918.15	1,354.71
		For Work In Restricted Working Space, Add	*677.50*	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,193.47	1,401.43
		For Work In Restricted Working Space, Add	*700.72*	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,534.41	1,494.86
		For Work In Restricted Working Space, Add	*747.14*	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,855.74	1,588.29
		For Work In Restricted Working Space, Add	*794.00*	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,236.66	1,778.06
		For Work In Restricted Working Space, Add	*889.03*	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,602.65	2,343.01
		For Work In Restricted Working Space, Add	*1,171.50*	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,315.69	3,461.24
		For Work In Restricted Working Space, Add	*1,730.77*	
27 15 13 00-0487		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,107.71	1,128.44
		For Work In Restricted Working Space, Add	*564.51*	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,365.91	1,169.32
		For Work In Restricted Working Space, Add	*584.66*	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,597.05	1,210.19
		For Work In Restricted Working Space, Add	*604.81*	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,841.41	1,251.07
		For Work In Restricted Working Space, Add	*625.82*	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,144.07	1,334.28
		For Work In Restricted Working Space, Add	*667.43*	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,429.63	1,418.94
		For Work In Restricted Working Space, Add	*709.47*	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,598.02	1,503.62
		For Work In Restricted Working Space, Add	*751.52*	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,840.34	1,588.29
		For Work In Restricted Working Space, Add	*794.00*	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,207.02	1,689.02
		For Work In Restricted Working Space, Add	*844.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,981.73	2,091.93
		For Work In Restricted Working Space, Add	*1,046.03*	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,394.12	3,090.44
		For Work In Restricted Working Space, Add	*1,545.51*	

27 15 13 00-0499 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,844.06	992.68
		For Work In Restricted Working Space, Add	*496.63*	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,053.51	1,029.18
		For Work In Restricted Working Space, Add	*514.59*	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,191.41	1,065.67
		For Work In Restricted Working Space, Add	*532.55*	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,368.32	1,100.71
		For Work In Restricted Working Space, Add	*550.50*	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,596.49	1,175.15
		For Work In Restricted Working Space, Add	*587.73*	
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,823.16	1,249.60
		For Work In Restricted Working Space, Add	*624.51*	
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,343.06	1,397.05
		For Work In Restricted Working Space, Add	*698.53*	
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,355.59	1,840.84
		For Work In Restricted Working Space, Add	*920.57*	
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,938.45	2,719.64
		For Work In Restricted Working Space, Add	*1,359.82*	

27 15 13 00-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,638.21	903.63
		For Work In Restricted Working Space, Add	*451.52*	
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,786.06	935.75
		For Work In Restricted Working Space, Add	*467.73*	
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,090.43	1,065.67
		For Work In Restricted Working Space, Add	*532.55*	
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,275.83	1,120.27
		For Work In Restricted Working Space, Add	*560.13*	
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,457.92	1,175.15
		For Work In Restricted Working Space, Add	*587.73*	
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,659.43	1,249.60
		For Work In Restricted Working Space, Add	*624.51*	
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,935.43	1,390.63
		For Work In Restricted Working Space, Add	*695.46*	
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,600.91	1,674.42
		For Work In Restricted Working Space, Add	*836.92*	
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,337.84	2,472.94
		For Work In Restricted Working Space, Add	*1,236.32*	
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,572.96	2,531.33
		For Work In Restricted Working Space, Add	*1,265.66*	
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,571.55	2,947.38
		For Work In Restricted Working Space, Add	*1,473.69*	
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,043.39	3,154.67
		For Work In Restricted Working Space, Add	*1,577.48*	
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,592.23	3,942.98
		For Work In Restricted Working Space, Add	*1,971.19*	
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,511.61	5,191.13
		For Work In Restricted Working Space, Add	*2,595.26*	

27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

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27 15 13 00-0525	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,442.98	813.12
		For Work In Restricted Working Space, Add	*406.41*	
27 15 13 00-0526	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,523.68	842.32
		For Work In Restricted Working Space, Add	*420.87*	
27 15 13 00-0527	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,624.26	871.51
		For Work In Restricted Working Space, Add	*435.76*	
27 15 13 00-0528	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,732.41	900.71
		For Work In Restricted Working Space, Add	*450.65*	
27 15 13 00-0529	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,887.87	962.03
		For Work In Restricted Working Space, Add	*480.87*	
27 15 13 00-0530	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,050.78	1,018.96
		For Work In Restricted Working Space, Add	*509.77*	

27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0276)*

Note: Excludes excavation.

27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,444.14	
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,887.74	
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,274.18	
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,684.08	
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,107.25	
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,490.14	

27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0276)*

27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,505.34	390.41
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,988.19	418.26
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,628.81	528.77
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,219.35	611.59
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	5,733.07	697.08
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	6,857.45	890.57

27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,096.50	564.22
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,341.49	584.66
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,513.08	605.09
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,603.17	625.54
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,938.99	667.14
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,100.09	709.47
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,644.73	794.14
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,275.13	1,045.96
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,980.07	1,545.22
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	945.70	496.34
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,146.68	514.58
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,312.41	532.83
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,392.99	550.35
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,679.64	587.58
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,892.37	624.81
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,138.68	698.52
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,760.30	920.42
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,429.16	1,359.83
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	833.29	451.82
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	960.13	467.87
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,082.98	483.93
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,159.50	500.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,264.50	534.30
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,383.40	567.87
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,549.49	635.02
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,143.66	837.20
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,263.37	1,236.47
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,447.92	1,265.67
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,075.22	1,473.69
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,393.80	1,577.34
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,283.75	1,971.49
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,153.42	2,595.56
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	13,873.40	4,780.92
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,085.25	6,326.87
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,315.04	7,972.82
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	39,924.26	10,936.26
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	804.20	451.82
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	895.06	467.87
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	983.38	483.93
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,042.32	500.72
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,129.74	534.30
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,225.78	567.87
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,372.53	635.02
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,873.85	837.20
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,829.97	1,236.47
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,965.64	1,265.67
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,505.38	1,473.69
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,757.94	1,577.34
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,563.66	1,971.49
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,134.43	2,595.56
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,716.96	4,780.92
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,278.02	6,326.87
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	22,888.25	7,972.82
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	32,089.69	10,936.26

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,141.30	564.22
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,333.86	584.66
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,450.39	605.09
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,609.11	625.54
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,790.50	667.14
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,970.44	709.47
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,401.63	794.14
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,112.36	1,045.96
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,649.50	1,545.22
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	998.11	496.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,163.17	514.58
27 15 13 00-0612	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,263.59	532.83
27 15 13 00-0613	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,399.29	550.35
27 15 13 00-0614	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,555.33	587.58
27 15 13 00-0615	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,710.66	624.81
27 15 13 00-0616	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,080.77	698.52
27 15 13 00-0617	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,697.60	920.42
27 15 13 00-0618	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,028.98	1,359.83
27 15 13 00-0619	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	872.81	451.82
27 15 13 00-0620	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,014.55	467.87
27 15 13 00-0621	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,112.07	483.93
27 15 13 00-0622	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,293.80	500.72
27 15 13 00-0623	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,446.24	534.30
27 15 13 00-0624	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,751.09	567.87
27 15 13 00-0625	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,956.95	635.02
27 15 13 00-0626	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,459.34	837.20
27 15 13 00-0627	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,719.46	1,236.47
27 15 13 00-0628	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,954.48	1,265.67
27 15 13 00-0629	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,717.15	1,473.69
27 15 13 00-0630	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,061.65	1,577.34
27 15 13 00-0631	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,040.06	1,971.49
27 15 13 00-0632	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,223.68	2,595.56
27 15 13 00-0633	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	16,138.82	4,780.92
27 15 13 00-0634	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	25,084.70	6,326.87
27 15 13 00-0635	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,015.19	7,972.82
27 15 13 00-0636	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	48,153.59	10,935.53
27 15 13 00-0637	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	829.47	451.82
27 15 13 00-0638	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	929.88	467.87
27 15 13 00-0639	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,001.99	483.93
27 15 13 00-0640	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,128.23	500.72
27 15 13 00-0641	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,245.99	534.30
27 15 13 00-0642	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,460.99	567.87
27 15 13 00-0643	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,633.18	635.02
27 15 13 00-0644	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,075.78	837.20
27 15 13 00-0645	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,121.72	1,236.47
27 15 13 00-0646	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,289.67	1,265.67
27 15 13 00-0647	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,902.46	1,473.69
27 15 13 00-0648	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,185.16	1,577.34
27 15 13 00-0649	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,047.46	1,971.49
27 15 13 00-0650	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,819.06	2,595.56
27 15 13 00-0651	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	13,165.98	4,780.92
27 15 13 00-0652	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,836.38	6,326.87
27 15 13 00-0653	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	26,534.78	7,972.82
27 15 13 00-0654	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	37,354.48	10,936.26

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0655		Sound System Cables *(27 15 13)* Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,230.25	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,159.97	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,105.76	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,165.05	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,355.58	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,545.50	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,356.39	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,264.89	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,259.29	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,178.44	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,132.68	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,209.04	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,370.37	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,352.57	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,240.74	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,430.83	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,620.41	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,155.62	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,193.40	510.93
		For Work In Restricted Working Space, Add	*306.56*	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	719.30	255.47
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	649.02	255.47
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	594.81	255.47
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	654.10	255.47
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	844.63	255.47
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,034.55	255.47
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	845.44	255.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	753.94	255.47

27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	748.34	255.47
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	667.49	255.47
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	621.73	255.47
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	698.09	255.47
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	859.42	255.47
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	841.62	255.47
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	729.79	255.47
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	919.88	255.47
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,109.46	255.47
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	682.45	255.47
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	644.67	255.47

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable *(27 15 23)*

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	760.78	287.91
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	845.45	287.91
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	873.72	287.91
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	974.39	287.91
		For Aluminum Armored Cable, Add	*885.01*	
		For Steel Armored Cable, Add	*3,179.72*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,003.26	287.91
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,177.73	287.91
		For Aluminum Armored Cable, Add	*951.99*	
		For Steel Armored Cable, Add	*3,492.91*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,102.21	335.90
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,034.23	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*926.51*	
		For Steel Armored Cable, Add	*6,056.82*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,742.56	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*881.84*	
		For Steel Armored Cable, Add	*6,335.66*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,879.95	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*928.40*	
		For Steel Armored Cable, Add	*6,623.84*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,746.29	335.90
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,976.68	335.90
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,188.53	335.90
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,351.70	383.88
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,004.25	383.88

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	785.16	287.91
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	831.85	287.91
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,040.85	287.91
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,260.85	287.91
		For Aluminum Armored Cable, Add	*948.67*	
		For Steel Armored Cable, Add	*1,213.39*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,469.85	287.91
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,898.85	287.91
		For Aluminum Armored Cable, Add	*1,026.77*	
		For Steel Armored Cable, Add	*1,371.69*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,088.83	335.90
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,639.83	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*712.88*	
		For Steel Armored Cable, Add	*712.88*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,179.83	335.90
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,719.83	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,273.17*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,259.83	335.90
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,799.83	335.90
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,890.83	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*5,461.46*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,050.80	383.88
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,130.80	383.88

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	800.43	287.91
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	849.45	287.91
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,068.90	287.91
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,299.90	287.91
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,519.35	287.91
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,969.80	287.91
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,165.28	335.90
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,793.83	335.90
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,410.83	335.90
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,027.83	335.90
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,644.83	335.90
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,261.83	335.90
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,507.38	335.90
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,821.35	383.88
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,055.35	383.88

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,545.49	287.91
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,861.25	287.91
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,555.90	287.91
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,887.42	287.91
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,145.91	287.91
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,414.47	335.90
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,869.55	335.90
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,756.01	335.90
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,005.73	335.90

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,671.47	287.91
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,047.19	287.91
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,666.65	287.91
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,587.35	287.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,975.08	287.91
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,318.43	335.90
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,707.73	335.90
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,641.63	335.90
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,691.83	335.90
27 15 23 00-0074		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,731.05	287.91
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,125.55	287.91
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,775.99	287.91
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,742.73	287.91
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,149.84	287.91
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,556.36	335.90
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,015.13	335.90
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,995.72	335.90
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,248.43	335.90
27 15 23 00-0084		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*		
27 15 23 00-0085		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*		
27 15 23 00-0086		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	776.07	287.91
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	780.54	287.91
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,015.21	287.91
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,042.67	287.91
		For Aluminum Armored Cable, Add	*885.43*	
		For Steel Armored Cable, Add	*4,178.22*	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,180.90	287.91
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,206.76	287.91
		For Aluminum Armored Cable, Add	*923.04*	
		For Steel Armored Cable, Add	*4,464.19*	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,929.59	335.90
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,818.25	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*13.96*	
		For Steel Armored Cable, Add	*4,268.09*	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,170.43	335.90
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,336.12	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*-142.88*	
		For Steel Armored Cable, Add	*5,052.50*	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,684.51	335.90
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,124.17	335.90
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,116.07	335.90
27 15 23 00-0100		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	783.52	287.91
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	902.58	287.91
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,161.55	287.91
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,425.71	287.91
		For Aluminum Armored Cable, Add	*786.32*	
		For Steel Armored Cable, Add	*1,109.59*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,678.83	287.91
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,898.75	287.91
		For Aluminum Armored Cable, Add	*1,004.84*	
		For Steel Armored Cable, Add	*1,371.79*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,411.59	335.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,289.99	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,491.90*	
		For Steel Armored Cable, Add	*1,491.90*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,155.07	335.90
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,020.15	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*1,430.40*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,885.23	335.90
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,750.31	335.90
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,493.79	335.90
		For Aluminum Armored Cable With Sub-Units, Add	*2,858.49*	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	798.71	287.91
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	923.72	287.91
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,195.64	287.91
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,473.01	287.91
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,738.78	287.91
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,969.69	287.91
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,504.18	335.90
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,476.50	335.90
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,434.83	335.90
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,393.17	335.90
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,351.50	335.90
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,309.83	335.90
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,240.49	335.90

27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,511.15	287.91
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,895.33	287.91
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,818.89	287.91
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,724.02	287.91
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,168.58	287.91
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,832.44	335.90
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,810.38	335.90
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,531.60	335.90
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,420.58	335.90

27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,869.40	287.91
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,567.22	287.91
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,812.80	287.91
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,447.62	287.91
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,402.50	287.91
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,792.83	335.90
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,628.03	335.90
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,373.68	335.90
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,144.87	335.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,988.88	287.91
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,721.59	287.91
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,029.45	287.91
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,696.01	287.91
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,648.63	287.91
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,204.48	335.90
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,031.44	335.90
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,914.38	335.90
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,024.12	335.90
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	920.73	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,005.40	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,033.67	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,134.34	383.88
		For Aluminum Armored Cable, Add	*885.01*	
		For Steel Armored Cable, Add	*3,179.72*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,163.21	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,337.68	383.88
		For Aluminum Armored Cable, Add	*951.99*	
		For Steel Armored Cable, Add	*3,492.91*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,262.16	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,194.18	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*926.51*	
		For Steel Armored Cable, Add	*6,056.82*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,902.51	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*881.84*	
		For Steel Armored Cable, Add	*6,335.66*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,039.90	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*928.40*	
		For Steel Armored Cable, Add	*6,623.84*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,906.24	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,136.63	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,348.48	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,511.65	479.85
		For Work In Restricted Working Space, Add	*239.93*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,164.20	479.85
		For Work In Restricted Working Space, Add	*239.93*	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	945.11	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	991.80	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,200.80	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,420.80	383.88
		For Aluminum Armored Cable, Add	*948.67*	
		For Steel Armored Cable, Add	*1,213.39*	
		For Work In Restricted Working Space, Add	*191.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,629.80	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,058.80	383.88
		For Aluminum Armored Cable, Add	*1,026.77*	
		For Steel Armored Cable, Add	*1,371.69*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,248.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,799.78	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*712.88*	
		For Steel Armored Cable, Add	*712.88*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,339.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,879.78	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*1,273.17*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,419.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,959.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,050.78	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*5,461.46*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,210.75	479.85
		For Work In Restricted Working Space, Add	*239.93*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,290.75	479.85
		For Work In Restricted Working Space, Add	*239.93*	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	960.38	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,009.40	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,228.85	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,459.85	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,679.30	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,129.75	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,325.23	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,953.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,570.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,187.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,804.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,421.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,667.33	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,981.30	479.85
		For Work In Restricted Working Space, Add	*239.93*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,215.30	479.85
		For Work In Restricted Working Space, Add	*239.93*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,705.44	383.88
		For Work In Restricted Working Space, Add	*191.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,021.20	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,715.85	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,047.37	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,305.86	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,574.42	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,029.50	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,915.96	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,165.68	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0221		**50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0210)*		
27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,831.42	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,207.14	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,826.60	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,747.30	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,135.03	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,478.38	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,867.68	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,801.58	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,851.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0231		**62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0210)*		
27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,891.00	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,285.50	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,935.94	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,902.68	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,309.79	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,716.31	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,175.08	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,155.67	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,408.38	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0241		**Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0159)*		
27 15 23 00-0242		**Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0241)*		
27 15 23 00-0243		**Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0242)*		
27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	936.02	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	940.49	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,175.16	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,202.62	383.88
		For Aluminum Armored Cable, Add	*885.43*	
		For Steel Armored Cable, Add	*4,178.22*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,340.85	383.88
		For Work In Restricted Working Space, Add	*191.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,366.71	383.88
		For Aluminum Armored Cable, Add	*923.04*	
		For Steel Armored Cable, Add	*4,464.19*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,089.54	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,978.20	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*13.96*	
		For Steel Armored Cable, Add	*4,268.09*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,330.38	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,496.07	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*-142.88*	
		For Steel Armored Cable, Add	*5,052.50*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,844.46	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,284.12	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,276.02	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	943.47	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,062.53	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,321.50	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,585.66	383.88
		For Aluminum Armored Cable, Add	*786.32*	
		For Steel Armored Cable, Add	*1,109.59*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,838.78	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,058.70	383.88
		For Aluminum Armored Cable, Add	*1,004.84*	
		For Steel Armored Cable, Add	*1,371.79*	
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,571.54	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,449.94	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*1,491.90*	
		For Steel Armored Cable, Add	*1,491.90*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,315.02	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,180.10	431.86
		For Aluminum Armored Cable With Sub-Units, Add	*1,430.40*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,045.18	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,910.26	431.86
		For Work In Restricted Working Space, Add	*215.93*	
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,653.74	431.86
		For Work In Restricted Working Space, Add	*215.93*	
		For Aluminum Armored Cable With Sub-Units, Add	*2,858.49*	
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	958.66	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,083.67	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,355.59	383.88
		For Work In Restricted Working Space, Add	*191.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,632.96	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,898.73	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,129.64	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,664.13	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,636.45	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,594.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,553.12	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,511.45	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,469.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,400.44	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,671.10	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,055.28	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,978.84	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,883.97	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,328.53	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,992.39	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,970.33	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,691.55	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,580.53	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,029.35	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,727.17	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,972.75	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,607.57	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,562.45	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,952.78	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,787.98	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,533.63	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,304.82	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,148.83	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,881.54	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,189.40	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,855.96	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,808.58	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,364.43	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,191.39	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,074.33	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,184.07	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,167.93	287.91
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,098.52	287.91
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,043.93	335.90
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	8,068.15	335.90

27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,425.37	287.91
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,134.75	287.91
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,024.61	335.90
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,539.35	335.90

27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,327.88	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,258.47	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	5,203.88	431.86
		For Work In Restricted Working Space, Add	*215.93*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	8,228.10	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,585.32	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,294.70	383.88
		For Work In Restricted Working Space, Add	*191.94*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,184.56	431.86
		For Work In Restricted Working Space, Add	*215.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,699.30	431.86
		For Work In Restricted Working Space, Add	*215.93*	

27 15 23 00-0338 Outdoor Fiber Optic Cable *(27 15 23)*

Note: Cable buried in trench excludes excavation.

27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Excludes conduit or innerduct.

27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,463.90	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*246.29*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,494.56	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.32*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,525.27	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.30*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,555.95	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*252.70*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,616.92	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.66*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,741.63	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.76*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,805.74	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*200.55*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,825.52	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*234.42*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,192.40	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*257.90*	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,394.68	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*257.87*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,657.11	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*304.79*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,119.12	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.62*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,623.93	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.33*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,152.26	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*237.86*	

27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,773.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,819.90	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*74.80*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,916.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*121.00*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,048.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*22.00*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,103.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,290.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*66.00*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,686.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,269.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.00*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,918.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,369.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.00*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,952.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*517.00*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,305.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.00*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,647.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*209.00*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,989.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.00*	

27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,251.15	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*105.32*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,352.41	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*112.95*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,453.52	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*120.38*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,578.41	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*137.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,757.29	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*142.91*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,073.53	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.31*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,373.09	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*175.16*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,946.42	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.64*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,617.01	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.80*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,236.39	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*240.82*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,890.11	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.57*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,212.29	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.47*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,555.69	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*347.81*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,919.82	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*319.48*	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0339)

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0386)

27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,639.49	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.63*	
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,699.28	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*279.35*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,717.23	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*267.71*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,788.85	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*222.86*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,811.20	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*266.36*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,911.58	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*252.62*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,001.58	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.62*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,145.15	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*324.15*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,347.42	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*328.38*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,548.91	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*340.20*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,822.08	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.63*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,263.94	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*381.64*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,842.01	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.79*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,315.06	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*300.18*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0386)

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,841.06	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.42*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,050.38	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*154.24*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,325.81	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*33.05*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,458.01	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*55.08*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,590.22	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*55.08*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,898.69	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*66.10*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,174.12	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.39*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,769.04	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*495.76*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,363.95	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*826.28*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,859.72	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*908.90*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,509.72	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,156.78*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,864.81	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,707.64*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,547.87	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,288.99*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,299.57	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,139.84*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,319.53	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.20*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,418.68	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*142.91*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,517.67	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*153.61*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,616.82	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.29*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,873.67	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.71*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,125.53	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*207.08*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,434.15	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*224.92*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,031.50	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.90*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,640.03	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.40*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,250.64	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.56*	
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,892.70	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.39*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,195.60	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*466.21*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,877.27	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*481.95*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,862.80	575.82
		For Corrugated Coated Steel Tape Armored Cable, Add	*497.53*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*
Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,383.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*246.29*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,414.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.32*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,445.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.30*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,475.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*252.70*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,536.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.66*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,661.65	
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.76*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,725.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*200.55*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,745.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*234.42*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,112.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*257.90*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,572.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*257.87*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,881.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*304.79*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,039.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.62*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,543.95	
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.33*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,072.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*237.86*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,693.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,739.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*74.80*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,836.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*121.00*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,968.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*22.00*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,023.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,210.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*66.00*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,606.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,189.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,838.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*44.00*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,289.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.00*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,872.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*517.00*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,225.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.00*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,567.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*209.00*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,909.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.00*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,171.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*105.32*	
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,272.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*112.95*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,373.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*120.38*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,498.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*137.05*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,677.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*142.91*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,993.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.31*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,293.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*175.16*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,866.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.64*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,537.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.80*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,156.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*240.82*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,810.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.57*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,132.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.47*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,475.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*347.81*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,839.84	
		For Corrugated Coated Steel Tape Armored Cable, Add	*319.48*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,559.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.63*	
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,619.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*279.35*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,637.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*267.71*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,708.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*222.86*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,731.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*266.36*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,831.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*252.62*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,921.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.62*	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,065.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*324.15*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,267.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*328.38*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,468.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*340.20*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,742.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.63*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,183.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*381.64*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,762.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.79*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,235.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*300.18*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,761.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.42*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,970.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*154.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,245.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*33.05*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,378.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*55.08*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,510.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*55.08*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,818.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*66.10*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,094.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.39*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,689.06	
		For Corrugated Coated Steel Tape Armored Cable, Add	*495.76*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,283.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*826.28*	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,779.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*908.90*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,429.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,156.78*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,784.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,707.64*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,467.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,288.99*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,219.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,139.84*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,239.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*132.20*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,338.70	
		For Corrugated Coated Steel Tape Armored Cable, Add	*142.91*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,437.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*153.61*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,536.84	
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.29*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,793.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.71*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,045.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*207.08*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,354.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*224.92*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,951.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.90*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,560.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.40*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,170.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.56*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,812.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.39*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,115.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*466.21*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,503.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*481.95*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,782.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*497.53*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,497.84	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.73*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,528.30	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.99*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,559.17	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.14*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,589.64	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.83*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,650.60	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*197.99*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,770.97	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*205.83*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,862.78	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*227.50*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,081.05	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.14*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,271.93	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.42*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,429.72	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*243.01*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,626.56	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,143.18	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.19*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,697.46	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.72*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,830.34	2,125.57
		For Corrugated Coated Steel Tape Armored Cable, Add	*361.57*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,087.90	479.85
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,979.85	479.85
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,966.79	479.85

27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,225.54	479.85
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,732.42	479.85
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,949.65	479.85

27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes trenching.

27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,007.92	439.86
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,899.87	439.86
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,886.81	439.86

27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,145.56	439.86
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,652.44	439.86
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,869.67	439.86

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial Distribution Cable *(27 15 33 00-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal

27 15 33 00-0003	MLF	RG-6/U Coaxial Distribution Cable, In Conduit	1,741.49	233.57
27 15 33 00-0004	MLF	RG-6A/U Coaxial Distribution Cable, In Conduit	6,555.01	233.57
27 15 33 00-0005	MLF	RG-8/U Coaxial Distribution Cable, In Conduit	3,431.71	246.71
27 15 33 00-0006	MLF	RG-8A/U Coaxial Distribution Cable, In Conduit	4,335.89	246.71
27 15 33 00-0007	MLF	RG-11/U Coaxial Distribution Cable, In Conduit	3,843.45	291.97
27 15 33 00-0008	MLF	RG-11A/U Coaxial Distribution Cable, In Conduit	5,592.07	291.97
27 15 33 00-0009	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	12,135.68	408.75
27 15 33 00-0010	MLF	RG-58/U Coaxial Distribution Cable, In Conduit	1,278.63	204.38
27 15 33 00-0011	MLF	RG-58A/U Coaxial Distribution Cable, In Conduit	1,457.80	204.38
27 15 33 00-0012	MLF	RG-58C/U Coaxial Distribution Cable, In Conduit	1,773.43	204.38
27 15 33 00-0013	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	4,345.95	408.75
27 15 33 00-0014	MLF	RG-59/U Coaxial Distribution Cable, In Conduit	2,115.70	204.38
27 15 33 00-0015	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	5,285.05	408.75
27 15 33 00-0016	MLF	1/2" Hard Line Coaxial, In Conduit	1,750.23	291.97

27 15 33 00-0017 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0017)*

27 15 33 00-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,061.51	335.90
27 15 33 00-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	2,492.45	335.90
27 15 33 00-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	881.38	383.88
27 15 33 00-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	3,136.11	383.88

27 15 33 00-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0017)*

27 15 33 00-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,621.33	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 33 00-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	3,052.27	671.79
		For Work In Restricted Working Space, Add	*335.90*	
27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,521.18	767.76
		For Work In Restricted Working Space, Add	*383.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	3,775.91	767.76
		For Work In Restricted Working Space, Add	*383.88*	

27 15 33 00-0028 Outdoor Coaxial Cable *(27 15 33)*

27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	4,724.33	1,092.83
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	2,943.66	768.67
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	2,573.04	453.49
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,317.96	453.49
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	1,955.73	708.60

27 15 43 Communications Faceplates And Connectors *(27 15)*

27 15 43 00-0001 Plastic Communications Faceplates *(27 15 43)*

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.57	2.00
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.57	2.00
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.57	2.00
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.57	2.00
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	6.57	2.00
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	10.30	2.00
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	10.30	2.00
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	10.30	2.00
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	10.30	2.00
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	10.30	2.00

27 15 43 00-0012 Stainless Steel Communications Faceplates *(27 15 43)*

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0013 Stainless Steel Communications Faceplates *(27 15 43 00-0012)*

27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	12.76	2.00
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	12.76	2.00
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	12.76	2.00
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	13.67	2.00
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	13.67	2.00
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	18.56	2.00
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	19.13	2.00
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	22.20	2.00
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	22.20	2.00
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	22.20	2.00

27 15 43 00-0024 Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0012)*

27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	18.45	2.00
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	18.45	2.00
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	18.45	2.00
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	18.45	2.00
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	18.45	2.00
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	40.15	2.00
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	40.15	2.00
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	40.15	2.00
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	40.15	2.00
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	40.15	2.00

27 15 43 00-0035 Snap-In Modular Jacks *(27 15 43)*

Note: Includes termination.

27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack	22.50	8.01
27 15 43 00-0037	EA	Cat 5E, Snap-In Modular Jack	23.75	8.01
27 15 43 00-0038	EA	Cat 5E Shielded, Snap-In Modular Jack	27.50	8.01
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack	27.50	8.01
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	31.71	8.01
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	32.34	8.01
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	15.22	4.01
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	25.34	8.01
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	28.52	8.01
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	34.77	8.01
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	4.60	2.00
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	5.28	2.00
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack Note: Includes female to female connection.	18.95	6.00
		For Gold Bulkhead, Add	*1.21*	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack Note: Includes female to female connection.	19.18	6.00
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	37.39	8.01
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	46.60	8.01
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	23.41	8.01
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	25.61	4.01
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	27.16	8.01
27 15 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	30.57	8.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.	39.37	12.02
27 15 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	46.25	8.01
27 15 43 00-0058		**Surface Mount Plastic Communication Boxes** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	23.27	10.01
27 15 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	23.84	10.01
27 15 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	27.76	10.01
27 15 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	32.42	10.01
27 15 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	37.31	10.01
27 15 43 00-0064		**Wall Mounted Telephone Faceplates** *(27 15 43)* Note: Includes standard telephone mounting studs.		
27 15 43 00-0065		**Plastic Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	27.50	9.99
27 15 43 00-0067		**Stainless Steel Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	23.91	4.00
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	41.49	9.99
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	48.28	12.00
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	22.98	4.00
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	37.57	9.99
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	44.46	12.00
27 15 53		**Communications Cable Innerduct** *(27 15)* Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		**Indoor Innerduct** *(27 15 53)*		
27 15 53 00-0002		**Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0001)*		
27 15 53 00-0003		**Riser Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,086.12	1,199.62
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	4,002.78	1,599.50
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	5,299.41	1,999.38
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,201.46	2,399.25
27 15 53 00-0008		**Plenum Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,428.50	799.75
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,966.93	1,199.62
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,291.14	1,599.50
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,074.26	1,999.38
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,715.34	2,399.25
27 15 53 00-0014		**Indoor Innerduct, Installed Exposed** *(27 15 53 00-0001)*		
27 15 53 00-0015		**Riser Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	3,885.87	1,599.50
		For Work In Restricted Working Space, Add	*959.70*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	4,802.53	1,999.38
		For Work In Restricted Working Space, Add	*1,199.63*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,099.16	2,399.25
		For Work In Restricted Working Space, Add	*1,439.55*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	7,001.21	2,799.12
		For Work In Restricted Working Space, Add	*1,679.48*	
27 15 53 00-0020		**Plenum Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	5,228.25	1,199.62
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	5,766.68	1,599.50
		For Work In Restricted Working Space, Add	*959.70*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	7,090.89	1,999.38
		For Work In Restricted Working Space, Add	*1,199.63*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	8,874.01	2,399.25
		For Work In Restricted Working Space, Add	*1,439.55*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	10,515.09	2,799.12
		For Work In Restricted Working Space, Add	*1,679.48*	
27 15 53 00-0026		**Outdoor Innerduct** *(27 15 53)*		
27 15 53 00-0027		**Outdoor Innerduct, Installed In Conduit** *(27 15 53 00-0026)*		
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	2,910.75	1,199.62
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	3,744.17	1,599.50
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	4,776.52	1,999.38
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	5,706.63	2,399.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*		
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	2,111.00	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	2,944.42	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	3,976.77	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	4,906.88	

27 16 Communications Connecting Cords, Devices, And Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001		Fiber Optic Receivers *(27 16 16)*		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	641.19	39.98
27 16 16 00-0003		Fiber Optic Transmitters *(27 16 16)*		
27 16 16 00-0004	EA	Fiber Optic Transmitter, Range 6.2 Miles	641.18	39.98
27 16 16 00-0005		Fiber Optic Repeaters *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	721.15	79.98
27 16 16 00-0007	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,129.28	159.95
27 16 16 00-0008		Fiber Optic Transceivers *(27 16 16)*		
27 16 16 00-0009	EA	Fiber Optic Transceivers, 3,000 Miles Range	748.60	159.95
27 16 16 00-0010	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	748.60	159.95
27 16 16 00-0011	EA	Fiber Optic Ethernet Transceiver	984.42	239.93
27 16 16 00-0012	EA	Transceiver (Low Cost Bi- Directional)	359.75	59.98

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 16)*

27 16 19 00-0001		Fiber Optic Patch Cords *(27 16 19)*		
27 16 19 00-0002		Simplex Fiber Optic Patch Cables *(27 16 19 00-0001)*		
27 16 19 00-0003		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0002)*		
27 16 19 00-0004	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	33.06	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0005	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	27.01	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0006	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	34.88	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0007	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.40	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0008	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	32.81	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	32.32	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010		Duplex Fiber Optic Patch Cables *(27 16 19 00-0001)*		
27 16 19 00-0011		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*		
27 16 19 00-0012	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	57.40	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0013	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	55.70	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0014	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	61.76	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0015	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	48.08	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	56.90	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	55.93	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018		Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*		
27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.41	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	47.36	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	47.77	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	49.04	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.58	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	49.27	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	57.85	
		For Each Additional Meter In Length, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.93	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	48.52	
		For Each Additional Meter In Length, Add	*1.48*	

27 16 19 00-0028 Fiber Optic Cable Pig Tail *(27 16 19)*

27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	53.86	27.99
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail	68.22	27.99

27 16 19 00-0031 Ethernet Patch Cords *(27 16 19)*

27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots	11.30	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots	12.38	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots	13.47	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots	19.57	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots	24.51	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots	32.74	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	12.59	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	15.33	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	15.38	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots	18.26	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	24.10	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	30.52	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	48.57	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	84.98	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots	23.74	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots	25.37	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots	26.59	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots	30.41	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots	36.88	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots	47.39	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots	70.98	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots	125.75	
27 16 19 00-0054	EA	3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06)	11.30	
27 16 19 00-0055	EA	5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06)	12.38	
27 16 19 00-0056	EA	7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06)	13.47	
27 16 19 00-0057	EA	10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06)	19.57	
27 16 19 00-0058	EA	15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06)	24.51	
27 16 19 00-0059	EA	25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06)	32.74	
27 16 19 00-0060	EA	3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06)	12.59	
27 16 19 00-0061	EA	5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06)	15.33	
27 16 19 00-0062	EA	7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06)	15.38	
27 16 19 00-0063	EA	10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06)	18.26	
27 16 19 00-0064	EA	15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06)	24.10	
27 16 19 00-0065	EA	25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06)	30.52	
27 16 19 00-0066	EA	3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09)	23.74	
27 16 19 00-0067	EA	5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09)	25.37	
27 16 19 00-0068	EA	7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09)	26.59	
27 16 19 00-0069	EA	10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09)	30.41	
27 16 19 00-0070	EA	15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09)	36.88	
27 16 19 00-0071	EA	25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09)	47.39	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001 Fiber Optic Modems *(27 21 16)*

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	1,255.24	159.95
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	2,424.41	159.95

27 21 16 00-0004 Ethernet Hubs and Switches *(27 21 16)*

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	2,387.69	120.16
27 21 16 00-0006	EA	16 Port Unmanaged Hub	423.71	80.11
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	3,265.23	80.11
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	970.11	40.05

27 21 26 Data Communications Network Management *(27 21)*

27 21 26 00-0001 Data Communications Network Management *(27 21 26)*

27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	423.79	20.00
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	337.44	20.00
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	455.18	20.00
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	714.18	20.00
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	66.33	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	295.26	12.00
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	545.11	20.00
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	3,066.58	256.36
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	2,258.29	256.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	23,413.39	95.97
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	2,096.99	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	8,188.19	95.97
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	17,237.26	95.97
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	421.15	8.01
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	2,800.26	9.99
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	3,015.00	9.99
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	48.01	4.01
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	189.98	39.98
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,067.26	95.97
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	499.99	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	22.06	4.01
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	261.50	9.99
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	520.03	10.01
27 21 26 00-0025	EA	1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM)	118.54	4.01
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	3,159.80	95.97
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	449.99	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	480.00	9.99
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	514.00	9.99
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	976.15	95.97
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	210.03	10.01
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,095.03	10.01
27 21 26 00-0033	EA	Router (CISCO IR829)	1,130.11	40.05

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	82.13	4.00
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	90.74	4.00
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	107.38	4.00
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	112.49	4.00
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	122.90	5.00
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	116.73	4.00
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	146.49	5.00
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	39.68	5.00

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	3,161.33	119.96
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	7,588.88	119.96
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	7,588.88	119.96
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,425.38	119.96
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	1,673.11	133.57
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	4,766.16	133.57
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	7,266.16	133.57
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	7,266.16	133.57
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	1,484.50	44.52
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	1,715.50	44.52
27 21 33 00-0012	EA	Gigabit, 32W, PoE Injector With RJ45 And Reload Button (Proxim Wireless ETH-POEINJ-1G)	131.15	22.27
27 21 33 00-0013	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	133.77	22.27
27 21 33 00-0014	EA	ORiNOCO Dual Band Range Extender Antenna (Proxim Wireless 1086-REA)	243.28	39.98
27 21 33 00-0015	EA	5 dBi, ORiNOCO 2.4GHz Omni Antenna (Proxim Wireless 1086-OA24-5)	187.58	39.98
27 21 33 00-0016	EA	8.5 dBi, ORiNOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-8.5)	276.19	39.98
27 21 33 00-0017	EA	9.5 dBi, ORiNOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-9.5)	276.19	39.98
27 21 33 00-0018	EA	7 dBi, ORiNOCO 5GHz Panel Antenna (Proxim Wireless 1086-PA50-7)	263.53	39.98
27 21 33 00-0019	EA	FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 6 (BridgeWave Communications FP23-1200R6)	29,275.19	79.98
27 21 33 00-0020	EA	FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 7 (BridgeWave Communications FP23-1200R7)	29,275.19	79.98
27 21 33 00-0021	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,100.00	
27 21 33 00-0022	EA	FlexPort 18 (23) Capacity Upgrade, 330-660 Mbps (BridgeWave Communications FP18(23)CU330-660)	2,531.76	
27 21 33 00-0023	EA	SFP, GigE, Multimode Fiber (LC) Interface (BridgeWave Communications BRG171-00511)	229.86	20.00
27 21 33 00-0024	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	393.98	39.98
27 21 33 00-0025	EA	FPuWave 2nd Year Extended Warranty And NDR (BridgeWave Communications FPU-WAVE-EWNDR-2)	4,367.29	
27 21 33 00-0026	EA	Cisco #AIR-ANT5959, 2.4 GHZ - 2.0/2.35 dBi antenna	447.24	39.98
27 21 33 00-0027	EA	Verizon LTE Modem (Sierra Wireless AirLink GX440 LTE VZW)	1,165.73	39.98
27 21 33 00-0028	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	326.73	39.98
27 21 33 00-0029	EA	AirLink GX400 Modem Mounting Bracket (Sierra Wireless 1202404)	51.03	
27 21 33 00-0030	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	58.19	16.00
27 21 33 00-0031	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	37.40	
27 21 33 00-0032	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	29.81	
27 21 33 00-0033	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	209.92	39.98
27 21 33 00-0034	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	211.22	39.98
27 21 33 00-0035	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	362.09	40.05
27 21 33 00-0036	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	749.11	60.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0037	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX440 LTE/EVDO/GPS)	1,064.11	60.08
27 21 33 00-0038	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	959.11	60.08
27 21 33 00-0039	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	52.35	12.00
27 21 33 00-0040	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	257.04	44.52
27 21 33 00-0041	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	687.54	44.52
27 21 33 00-0042	EA	PowerBridge M5: Carrier Class 5GHz MIMO Bridging Solution Featuring Super Efficient 25dBi MIMO Antenna Array (Ubiquiti Networks PBM-5)	371.27	40.05
27 21 33 00-0043	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	3,175.11	40.05
27 21 33 00-0044	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,025.98	39.98

27 50 Distributed Communications And Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom And Exterior Gate Control System *(27 51)*

27 51 17 00-0001 Video Intercom And Exterior Gate Control System *(27 51 17)*

27 51 17 00-0002	EA	Audio Video Master Control Station (Aiphone AX-8MV)	905.36	100.14
27 51 17 00-0003	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	359.82	100.14
27 51 17 00-0004	EA	Central Exchange Unit (Aiphone AX-084C)	1,097.51	50.07
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-248C)	1,502.48	50.07
27 51 17 00-0006	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	110.93	20.03
27 51 17 00-0007	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	351.31	20.03
27 51 17 00-0008	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	397.05	20.03
27 51 17 00-0009	EA	12 Volt, 2.5 Amp, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	105.93	10.01
27 51 17 00-0010	EA	24 Volt, 2 Amp, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	115.98	10.01
27 51 17 00-0011	EA	IP Video Master Station (Aiphone IX-MV)	1,157.49	100.14
27 51 17 00-0012	EA	Handset Only For IX-MV (Aiphone 285999)	49.49	4.01
27 51 17 00-0013	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	570.67	100.14
27 51 17 00-0014	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	533.48	20.03
27 51 17 00-0015	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	167.24	20.03
27 51 17 00-0016	EA	Stainless Steel Surface Mount Box, IS-DVF, IS-IPDVF And IS-SS Compatible (Aiphone SBX-ISDVF)	182.08	20.03
27 51 17 00-0017	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	187.31	20.03
27 51 17 00-0018	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	219.62	30.04
27 51 17 00-0019	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	51.06	10.01

27 51 33 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Accessories *(27 51 33)*

27 51 33 00-0002	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	586.33	80.11
27 51 33 00-0003	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	149.73	20.00
27 51 33 00-0004	EA	Microphone Jack For Audio/Video System	71.43	20.03
27 51 33 00-0005	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	111.63	20.03
27 51 33 00-0006	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	203.39	20.03
27 51 33 00-0007	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	191.12	10.01
27 51 33 00-0008	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	426.99	10.01
27 51 33 00-0009	EA	Volume Control For Audio/Video System (Bogen AT10A)	68.46	20.03
27 51 33 00-0010	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8)	49.23	20.03

END OF SECTION 27

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security *(28)*

28 05 26 Grounding And Bonding For Electronic Safety And Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification For Electronic Safety And Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00	1,013.52	166.75
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00	1,280.20	216.73
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	6,786.34	475.05
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	3,205.31	404.83
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00	823.88	221.45
28 15 11 13-0007	EA	Key Pad, Remote, (Security) Vindicator	2,314.16	333.41

28 15 19 Access Control Remote Devices *(28 15)*

28 15 19 13 Wireless Access Control Devices *(28 15 19)*

28 15 19 13-0001 Personnel Assistance System (PAS) *(28 15 19 13)*

Note: Owner supplied, contractor installed components as manufactured by Secure Systems Inc. (SSI). Excludes mounting hardware/material (anchor bolts, screws, threaded rod, beam clamps, blocking/plywood backer, etc.) and electrical components (boxes, conduit, wire, etc.). See CSI section 26 00 00 00-0000 for electrical components (boxes, conduit, wire, etc.).

28 15 19 13-0002	EA	BARD (Building Alarm Reporting Device), Labor Only	120.16	60.08
28 15 19 13-0003	EA	LARD (Local Alarm Reporting Device), Labor Only	80.11	40.05
28 15 19 13-0004	EA	LARD + (Local Alarm Reporting Device Plus), Labor Only	80.11	40.05
28 15 19 13-0005	EA	BASE (Central Base Receiving Station), Labor Only	120.16	60.08
28 15 19 13-0006	EA	R Base (Remote BASE), Labor Only	80.11	40.05
28 15 19 13-0007	EA	R Base + (Remote BASE Plus), Labor Only	80.11	40.05
28 15 19 13-0008	EA	DAD (Device Activated Detector), Labor Only	26.70	13.34
28 15 19 13-0009	EA	DAD Covers, Labor Only	80.11	40.05
28 15 19 13-0010	EA	EDAD (Exterior Device Activated Detector), Labor Only	40.05	20.03
28 15 19 13-0011	EA	EDAD Antenna (Directional Antenna), Labor Only	60.08	30.04
28 15 19 13-0012	EA	VHF/UHF Antenna, Labor Only	160.23	80.11
28 15 19 13-0013	EA	PT (Personal Activation Device (PAL) Tester), Labor Only	80.11	40.05

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount to a standard mullion.	95.36	20.00
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	99.97	20.00
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	126.51	20.00

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	119.97	20.00
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	579.91	59.98
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	195.73	20.00

28 16 11 00-0011 Key Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls *(28 16 11 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	135.16	20.00
28 16 11 00-0014		Exterior Mount, Key Controls, Stand Alone Access Controls *(28 16 11 00-0011)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls Note: Opens door or gate with a postal or fire department key.	206.89	39.98
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	329.18	39.98
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls	329.18	39.98
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls	504.55	39.98
28 16 11 00-0019		Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0020		Interior Mount, Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0019)*		
28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	189.96	20.00
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	794.50	79.98
		For Flush Mount, Add	*142.77*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	964.48	89.97
		For Flush Mount, Add	*176.52*	
28 16 11 00-0027		RF Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	471.46	79.98
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	533.76	79.98
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	593.75	79.98
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	658.36	79.98
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	718.35	79.98
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	782.96	79.98
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	842.96	79.98
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	39.23	
		For >40 To 110, Deduct	*-1.96*	
		For >110, Deduct	*-3.92*	
		For Built In Proximity Tags, Add	*7.85*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	41.53	
		For >40 To 110, Deduct	*-2.08*	
		For >110, Deduct	*-4.15*	
		For Built In Proximity Tags, Add	*8.31*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	43.84	
		For >40 To 110, Deduct	*-2.19*	
		For >110, Deduct	*-4.38*	
		For Built In Proximity Tags, Add	*8.77*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	175.34	59.98
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 20' of coax cable.	350.70	59.98
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	318.40	59.98
28 16 11 00-0045		Proximity Card Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0047)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand Alone Access Controls	909.87	79.98
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand Alone Access Controls	990.63	79.98
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand Alone Access Controls	1,175.23	79.98
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls	540.68	79.98
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0056)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls	670.97	79.98
28 16 11 00-0061		Other Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	91.90	20.00
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	89.88	16.00
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)* Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	6.14	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	10.12	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	10.66	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	60.30	
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	78.61	
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	322.69	99.97
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	322.69	99.97
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	322.69	99.97
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	897.70	99.97
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	5.17	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	8.08	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	8.61	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	30.15	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	30.15	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	393.76	99.97
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	548.82	99.97
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) Note: For single gang electrical box mounting.	548.82	99.97
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) Note: Includes 12 Volt DC regulated power supply.	899.86	99.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	5,112.34	99.97
28 16 11 00-0091		**HID, Proximity Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0065)*		
28 16 11 00-0092		**HID, Proximity Cards** *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	12.24	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	16.11	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	16.54	
28 16 11 00-0096		**HID, Proximity Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	341.19	99.97
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	398.26	99.97
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	441.07	99.97
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	556.64	99.97
28 16 11 00-0101		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0102		**HID, Contactless Smart Cards** *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	9.48	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	10.34	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	13.54	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	7.33	
28 16 11 00-0107		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	370.84	99.97
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	512.97	99.97
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	832.79	99.97
28 16 11 00-0111		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	2,631.52	99.97
28 16 11 00-0113		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,030.61	99.97
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	857.55	99.97
28 16 11 00-0116		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	3,937.93	79.98
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	4,806.08	79.98
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	1,904.98	79.98
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	1,335.98	79.98
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	1,488.27	79.98
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,335.98	79.98
28 16 11 00-0123		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	281.40	17.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	553.68	17.25
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	253.71	17.25
28 16 11 00-0128		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	509.83	17.25
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	611.36	17.25
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	369.08	17.25
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	1,684.33	17.25
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	1,765.09	17.25
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	715.20	17.25
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,153.61	17.25
28 16 11 00-0137		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0138		**Magnetic Door Locks** *(28 16 11 00-0137)*		
28 16 11 00-0139		**300 LB Magnetic Door Locks** *(28 16 11 00-0138)*		
28 16 11 00-0140	EA	Single Door, Surface Mount, 300 LB Magnetic Door Lock	434.54	79.98
28 16 11 00-0141		**600 LB Magnetic Door Locks** *(28 16 11 00-0138)*		
28 16 11 00-0142	EA	600 LB, Single Door, Surface Mount, Magnetic Door Lock	624.90	79.98
		For LED Status Indicator And Signal Relay, Add	*58.12*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*116.24*	
		For Mortise Mount, Deduct	*-92.99*	
28 16 11 00-0143	EA	600 LB, Dual Doors, Surface Mount, Magnetic Door Lock	937.56	79.98
		For LED Status Indicator And Signal Relay, Add	*97.20*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*194.40*	
28 16 11 00-0144		**1,200 LB Magnetic Door Locks** *(28 16 11 00-0138)*		
28 16 11 00-0145	EA	1,200 LB, Single Door, Surface Mount, Magnetic Door Lock	653.74	79.98
		For LED Status Indicator And Signal Relay, Add	*113.57*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*148.14*	
28 16 11 00-0146	EA	Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock	999.86	79.98
		For LED Status Indicator And Signal Relay, Add	*193.18*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*251.97*	
28 16 11 00-0147		**2,000 LB Shear Lock, Magnetic And Mechanical Locks** *(28 16 11 00-0138)* Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148	EA	Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock	684.89	79.98
28 16 11 00-0149		**Magnetic Gate Locks** *(28 16 11 00-0137)*		
28 16 11 00-0150		**600 LB Magnetic Gate Locks** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	600 LB Magnetic Gate Lock	510.68	79.98
28 16 11 00-0152		**1,200 LB Magnetic Gate Locks** *(28 16 11 00-0149)*		
28 16 11 00-0153	EA	1,200 LB Magnetic Gate Lock	615.67	79.98
		For LED Status Indicator And Signal Relay, Add	*56.97*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*113.93*	
		For Mortise Mount, Deduct	*-91.14*	
28 16 11 00-0154		**Magnetic Lock Power Supply And Chargers** *(28 16 11 00-0137)* Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	376.36	79.98
28 16 11 00-0156	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	480.97	79.98
28 16 11 00-0157	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	542.50	79.98
28 16 11 00-0158	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	684.02	79.98
28 16 11 00-0159		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0160	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	382.76	
28 16 11 00-0161	EA	7 Amperes, 12 Volt, Battery	49.32	
28 16 11 00-0162	EA	18 Amperes, 12 Volt, Battery	109.94	
28 16 11 00-0163	EA	Door Personality Module (Sensormatic RM-4)	416.16	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0164	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	173.78	39.98
28 16 11 00-0165	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	60.78	24.00
28 16 11 00-0166	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	452.77	16.00
28 16 11 00-0167	EA	Surge Suppressor (Tripp-Lite IBAR4)	68.63	4.01
28 16 11 00-0168	EA	Door Strike Relay (Altronix RBSN-TTL)	50.70	16.00
28 16 11 00-0169	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	316.66	
28 16 11 00-0170	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	421.58	99.97
28 16 11 00-0171		**Access Controllers** *(28 16 11)*		
28 16 11 00-0172		**Microterm Controller** *(28 16 11 00-0171)*		
28 16 11 00-0173	EA	Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,055.75	99.97
28 16 11 00-0174	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	756.50	59.98
28 16 11 00-0175	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	356.19	
28 16 11 00-0176		**Miniterm Controller** *(28 16 11 00-0171)*		
28 16 11 00-0177	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,643.31	99.97
28 16 11 00-0178	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	1,236.74	59.98
28 16 11 00-0179		**Super-2 Controller** *(28 16 11 00-0171)*		
28 16 11 00-0180	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,220.88	99.97
28 16 11 00-0181	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	833.01	59.98
28 16 11 00-0182	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	234.91	59.98
28 16 11 00-0183		**Smarterm Controller** *(28 16 11 00-0171)*		
28 16 11 00-0184	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	3,436.19	119.96
28 16 11 00-0185	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	2,636.56	59.98
28 16 11 00-0186	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,029.55	59.98
28 16 11 00-0187	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	1,461.20	59.98
28 16 11 00-0188	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	1,137.76	59.98
28 16 11 00-0189	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	1,137.76	59.98
28 16 11 00-0190		**Superterm-4 Controller** *(28 16 11 00-0171)*		
28 16 11 00-0191	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,172.79	119.96
28 16 11 00-0192	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	2,592.28	59.98
28 16 11 00-0193		**Superterm-8 Controller** *(28 16 11 00-0171)*		
28 16 11 00-0194	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,229.20	199.93
28 16 11 00-0195	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,588.91	199.93
28 16 11 00-0196	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	3,488.75	59.98
28 16 11 00-0197		**Turbo Superterm-4 Controller** *(28 16 11 00-0171)*		
28 16 11 00-0198	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,172.79	119.96
28 16 11 00-0199	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	2,592.28	59.98
28 16 11 00-0200		**Turbo Superterm-8 Controller** *(28 16 11 00-0171)*		
28 16 11 00-0201	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,229.20	199.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,588.91	199.93
28 16 11 00-0203	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	3,488.75	59.98
28 16 11 00-0204	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	1,461.20	59.98
28 16 11 00-0205	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	1,230.98	59.98
28 16 11 00-0206	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	1,138.92	59.98
28 16 11 00-0207	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	1,138.92	59.98
28 16 11 00-0208	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	461.38	
28 16 11 00-0209		Intelligent Controller *(28 16 11 00-0171)*		
28 16 11 00-0210	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	818.80	59.98
28 16 11 00-0211	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	1,419.50	99.97
28 16 11 00-0212		Access Control Bundled System *(28 16 11)*		
28 16 11 00-0213	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	22,909.23	

28 20 Video Surveillance *(28)*

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)* Note: Includes programming of equipment, testing of new devices and certification.		
28 21 31 00-0002		Cameras And Accessories *(28 21 31 00-0001)*		
28 21 31 00-0003		Cameras *(28 21 31 00-0002)*		
28 21 31 00-0004		Compact, 1/3" Format Cameras *(28 21 31 00-0003)*		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0006	EA	Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	529.73	20.03
28 21 31 00-0007	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	434.23	20.03
28 21 31 00-0008		Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0009	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	255.45	20.03
28 21 31 00-0010		Camerapaks *(28 21 31 00-0002)* Note: Includes camera and lens.		
28 21 31 00-0011		Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0012		High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0013		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0014		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0013)*		
28 21 31 00-0015	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	332.99	20.03
28 21 31 00-0016	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	312.89	20.03
28 21 31 00-0017	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	303.56	20.03
28 21 31 00-0018	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	301.40	20.03
28 21 31 00-0019		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0013)*		
28 21 31 00-0020	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	363.15	20.03
28 21 31 00-0021	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	332.99	20.03
28 21 31 00-0022	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	325.81	20.03
28 21 31 00-0023	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	320.07	20.03
28 21 31 00-0024		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0025		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0024)*		
28 21 31 00-0026	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	392.59	20.03
28 21 31 00-0027	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	353.82	20.03
28 21 31 00-0028	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	322.22	20.03
28 21 31 00-0029	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	309.30	20.03
28 21 31 00-0030	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	357.41	20.03
28 21 31 00-0031		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0024)*		
28 21 31 00-0032	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	424.18	20.03
28 21 31 00-0033	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	397.61	20.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0034	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	352.38	20.03
28 21 31 00-0035	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	314.33	20.03
28 21 31 00-0036	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	372.48	20.03
28 21 31 00-0037	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	421.31	20.03
28 21 31 00-0038	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	483.77	20.03
28 21 31 00-0039		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0024)*		
28 21 31 00-0040	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	330.84	20.03
28 21 31 00-0041	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	396.18	20.03
28 21 31 00-0042		High Resolution Day/Night, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0043		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0044		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0043)*		
28 21 31 00-0045	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	671.89	20.03
28 21 31 00-0046	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	626.66	20.03
28 21 31 00-0047	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	588.60	20.03
28 21 31 00-0048	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	646.76	20.03
28 21 31 00-0049	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	695.58	20.03
28 21 31 00-0050	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	757.33	20.03
28 21 31 00-0051		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0043)*		
28 21 31 00-0052	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	605.12	20.03
28 21 31 00-0053	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	670.45	20.03
28 21 31 00-0054		Compact Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0055		High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0057		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0058		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0057)*		
28 21 31 00-0059	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	520.39	20.03
28 21 31 00-0060	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	500.29	20.03
28 21 31 00-0061	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	490.24	20.03
28 21 31 00-0062	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	488.08	20.03
28 21 31 00-0063		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0057)*		
28 21 31 00-0064	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	549.83	20.03
28 21 31 00-0065	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	520.39	20.03
28 21 31 00-0066	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	513.21	20.03
28 21 31 00-0067	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	507.47	20.03
28 21 31 00-0068		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0069		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0068)*		
28 21 31 00-0070	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	579.99	20.03
28 21 31 00-0071	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	540.50	20.03
28 21 31 00-0072	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	509.62	20.03
28 21 31 00-0073	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	496.70	20.03
28 21 31 00-0074	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	544.09	20.03
28 21 31 00-0075	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	574.96	20.03
28 21 31 00-0076	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	648.20	20.03
28 21 31 00-0077		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0068)*		
28 21 31 00-0078	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	610.86	20.03
28 21 31 00-0079	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	585.01	20.03
28 21 31 00-0080	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	539.78	20.03
28 21 31 00-0081	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	501.01	20.03
28 21 31 00-0082	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	559.88	20.03
28 21 31 00-0083	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	608.71	20.03
28 21 31 00-0084	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	670.45	20.03
28 21 31 00-0085		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0068)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0086	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	518.24	20.03
28 21 31 00-0087	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	583.58	20.03
28 21 31 00-0088		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0089		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0090		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0089)*		
28 21 31 00-0091	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	520.39	20.03
28 21 31 00-0092	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	388.28	20.03
28 21 31 00-0093	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	378.23	20.03
28 21 31 00-0094	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	376.07	20.03
28 21 31 00-0095		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0089)*		
28 21 31 00-0096	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	437.82	20.03
28 21 31 00-0097	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	408.38	20.03
28 21 31 00-0098	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	401.20	20.03
28 21 31 00-0099	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	401.20	20.03
28 21 31 00-0100		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0101		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0100)*		
28 21 31 00-0102	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	467.98	20.03
28 21 31 00-0103	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	428.49	20.03
28 21 31 00-0104	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	397.61	20.03
28 21 31 00-0105	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	384.69	20.03
28 21 31 00-0106	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	432.08	20.03
28 21 31 00-0107	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	462.95	20.03
28 21 31 00-0108	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	536.19	20.03
28 21 31 00-0109		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0100)*		
28 21 31 00-0110	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	498.85	20.03
28 21 31 00-0111	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	473.00	20.03
28 21 31 00-0112	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	427.05	20.03
28 21 31 00-0113	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	389.00	20.03
28 21 31 00-0114	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	447.87	20.03
28 21 31 00-0115	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	496.70	20.03
28 21 31 00-0116	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	558.45	20.03
28 21 31 00-0117		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0100)*		
28 21 31 00-0118	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	406.23	20.03
28 21 31 00-0119	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	471.57	20.03
28 21 31 00-0120		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0121		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0122		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0121)*		
28 21 31 00-0123	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	480.18	20.03
28 21 31 00-0124		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0121)*		
28 21 31 00-0125	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	541.93	20.03
28 21 31 00-0126	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	511.78	20.03
28 21 31 00-0127		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0128		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0127)*		
28 21 31 00-0129	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	501.01	20.03
28 21 31 00-0130	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	488.08	20.03
28 21 31 00-0131	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	567.06	20.03
28 21 31 00-0132		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0127)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0133	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	576.40	20.03
28 21 31 00-0134	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	531.16	20.03
28 21 31 00-0135	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	493.11	20.03
28 21 31 00-0136	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	551.27	20.03
28 21 31 00-0137	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	600.09	20.03
28 21 31 00-0138	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	662.56	20.03
28 21 31 00-0139		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0127)*		
28 21 31 00-0140	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	509.62	20.03
28 21 31 00-0141	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	574.96	20.03
28 21 31 00-0142		Camera Systems *(28 21 31 00-0002)*		
28 21 31 00-0143		Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)*		
28 21 31 00-0145		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0146		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0147		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0146)*		
28 21 31 00-0148	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,127.24	120.16
28 21 31 00-0149	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,421.62	120.16
28 21 31 00-0150	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,553.74	120.16
28 21 31 00-0151	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,541.70	120.16
28 21 31 00-0152		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0146)*		
28 21 31 00-0153	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,793.37	120.16
28 21 31 00-0154	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	1,942.00	120.16
28 21 31 00-0155	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,074.83	120.16
28 21 31 00-0156	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,150.94	120.16
28 21 31 00-0157	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,150.94	120.16
28 21 31 00-0158	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,253.61	120.16
28 21 31 00-0159	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,548.71	120.16
28 21 31 00-0160	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,681.54	120.16
28 21 31 00-0161	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	2,757.65	120.16
28 21 31 00-0162	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	2,757.65	120.16
28 21 31 00-0163		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0146)*		
28 21 31 00-0164	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,621.95	120.16
28 21 31 00-0165	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	2,917.04	120.16
28 21 31 00-0166	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,049.87	120.16
28 21 31 00-0167	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,125.98	120.16
28 21 31 00-0168	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,125.98	120.16
28 21 31 00-0169		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0146)*		
28 21 31 00-0170	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,380.70	120.16
28 21 31 00-0171	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,530.04	120.16
28 21 31 00-0172	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,662.15	120.16
28 21 31 00-0173	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,738.26	120.16
28 21 31 00-0174	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,738.26	120.16
28 21 31 00-0175	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	2,863.91	120.16
28 21 31 00-0176	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,098.70	120.16
28 21 31 00-0177	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,230.81	120.16
28 21 31 00-0178	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,306.92	120.16
28 21 31 00-0179	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,306.92	120.16
28 21 31 00-0180		Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0181		Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0180)*		
28 21 31 00-0182	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	2,329.72	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0183	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	2,457.52	120.16
		For Protective Lower Dome Cage, Add	*34.65*	

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28 21 31 00-0184	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,559.48	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0185	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	2,891.91	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	3,019.72	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0187	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,122.39	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0188		**Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0180)*		
28 21 31 00-0189	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	2,917.04	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0190	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	3,044.85	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0191	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	3,147.52	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,441.90	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,568.99	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0194	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	3,671.66	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0195		**Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0196		**Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0195)*		
28 21 31 00-0197	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	3,859.78	120.16
28 21 31 00-0198	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	4,384.64	120.16
28 21 31 00-0199		**Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0200		**Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0199)*		
28 21 31 00-0201	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	3,355.74	120.16
28 21 31 00-0202		**Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0199)*		
28 21 31 00-0203	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	2,920.63	120.16
28 21 31 00-0204	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	3,483.55	120.16
28 21 31 00-0205		**Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0199)*		
28 21 31 00-0206	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	3,851.88	120.16
28 21 31 00-0207		**Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0199)*		
28 21 31 00-0208	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	3,508.68	120.16
28 21 31 00-0209	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	4,032.82	120.16
28 21 31 00-0210		**Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0211		**Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems** *(28 21 31 00-0210)*		
28 21 31 00-0212	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,343.91	120.16
28 21 31 00-0213		**Spectra® IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0144)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0214		**Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0213)*		
28 21 31 00-0215		**Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0214)*		
28 21 31 00-0216	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	2,478.35	120.16
28 21 31 00-0217	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	2,611.18	120.16
28 21 31 00-0218	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	2,687.28	120.16
28 21 31 00-0219	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	2,687.28	120.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0220	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	3,085.06	120.16
28 21 31 00-0221	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	3,217.89	120.16
28 21 31 00-0222	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	3,293.99	120.16
28 21 31 00-0223	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	3,293.99	120.16
28 21 31 00-0224		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0214)*		
28 21 31 00-0225	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	3,453.39	120.16
28 21 31 00-0226	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	3,586.22	120.16
28 21 31 00-0227	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	3,662.33	120.16
28 21 31 00-0228	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	3,662.33	120.16
28 21 31 00-0229		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0230		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0229)*		
28 21 31 00-0231	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	2,866.07	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	2,993.87	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	3,095.83	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	3,428.26	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	3,556.06	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	3,658.74	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0237		Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0229)*		
28 21 31 00-0238	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	3,453.39	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0239	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,581.19	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0240	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,683.87	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	3,978.25	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	4,105.33	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,208.01	120.16
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0244		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0245		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0244)*		
28 21 31 00-0246	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	3,456.98	120.16
28 21 31 00-0247	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	4,019.89	120.16
28 21 31 00-0248		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0244)*		
28 21 31 00-0249	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,388.23	120.16
28 21 31 00-0250		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0244)*		
28 21 31 00-0251	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	4,045.02	120.16
28 21 31 00-0252	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,569.16	120.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0253		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0254		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0253)*		
28 21 31 00-0255	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	1,689.98	120.16
28 21 31 00-0256		Spectra®, Pan/Tilt Dome Drives *(28 21 31 00-0144)* Note: Includes dome drive, camera and lens.		
28 21 31 00-0257	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,250.00	100.14
28 21 31 00-0258	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,594.64	100.14
28 21 31 00-0259	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,020.41	100.14
28 21 31 00-0260	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,585.30	100.14
28 21 31 00-0261	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,147.50	100.14
28 21 31 00-0262	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,172.63	100.14
28 21 31 00-0263	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,515.83	100.14
28 21 31 00-0264	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,697.48	100.14
28 21 31 00-0265	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,697.48	100.14
28 21 31 00-0266		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0267	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	101.24	
28 21 31 00-0268	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	132.11	
28 21 31 00-0269	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	109.06	10.01
28 21 31 00-0270	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	276.36	10.01
28 21 31 00-0271	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	106.19	10.01
28 21 31 00-0272	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	268.02	10.01
28 21 31 00-0273	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	55.12	5.96
28 21 31 00-0274		Camclosure®, Camera Dome Systems *(28 21 31 00-0143)*		
28 21 31 00-0275		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0276		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0277		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0278	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	495.23	120.16
28 21 31 00-0279	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	538.31	120.16
28 21 31 00-0280	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	599.34	120.16
28 21 31 00-0281	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	599.34	120.16
28 21 31 00-0282		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0283	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	607.24	120.16
28 21 31 00-0284	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	663.24	120.16
28 21 31 00-0285	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	663.24	120.16
28 21 31 00-0286		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0287	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	697.71	120.16
28 21 31 00-0288	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	836.28	120.16
28 21 31 00-0289	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	836.28	120.16
28 21 31 00-0290		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0291	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	763.76	120.16
28 21 31 00-0292	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	852.79	120.16
28 21 31 00-0293		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0275)*		
28 21 31 00-0294		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0293)*		
28 21 31 00-0295	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	550.82	80.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0296		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0293)*		
28 21 31 00-0297	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	631.96	80.11
28 21 31 00-0298		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0293)*		
28 21 31 00-0299	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	696.58	80.11
28 21 31 00-0300		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0293)*		
28 21 31 00-0301	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	728.89	80.11
28 21 31 00-0302		Camclosure® IS Integrated Cameras *(28 21 31 00-0275)*		
28 21 31 00-0303	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	385.68	80.11
28 21 31 00-0304	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	385.68	80.11
28 21 31 00-0305	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	449.58	80.11
28 21 31 00-0306	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	622.62	80.11
28 21 31 00-0307	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	639.14	80.11
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0309		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0310		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0309)*		
28 21 31 00-0311	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	424.15	120.16
28 21 31 00-0312	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	455.02	120.16
28 21 31 00-0313	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	578.52	120.16
28 21 31 00-0314	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	578.52	120.16
28 21 31 00-0315		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0309)*		
28 21 31 00-0316	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	717.09	120.16
28 21 31 00-0317		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0308)*		
28 21 31 00-0318		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0317)*		
28 21 31 00-0319	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	498.41	80.11
28 21 31 00-0320		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0308)*		
28 21 31 00-0321		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0320)*		
28 21 31 00-0322	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	663.24	120.16
28 21 31 00-0323		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0320)*		
28 21 31 00-0324	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	727.86	120.16
28 21 31 00-0325		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0320)*		
28 21 31 00-0326	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	809.00	120.16
28 21 31 00-0327		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0320)*		
28 21 31 00-0328	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	841.31	120.16
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0330		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		

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28 21 31 00-0331		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0330)*		
28 21 31 00-0332	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,197.43	120.16
28 21 31 00-0333	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,197.43	120.16
28 21 31 00-0334		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0330)*		
28 21 31 00-0335	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,286.47	120.16
28 21 31 00-0336	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,286.47	120.16
28 21 31 00-0337		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0330)*		
28 21 31 00-0338	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,423.60	120.16
28 21 31 00-0339	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,423.60	120.16
28 21 31 00-0340		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0330)*		
28 21 31 00-0341	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,520.53	120.16
28 21 31 00-0342	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,520.53	120.16
28 21 31 00-0343		Accessories For Camclosure® Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0344	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	24.94	6.00
28 21 31 00-0345	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	24.94	6.00
28 21 31 00-0346	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	32.95	10.01
28 21 31 00-0347	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	53.06	10.01
28 21 31 00-0348	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	55.10	6.00
28 21 31 00-0349	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	53.06	10.01
28 21 31 00-0350	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	67.42	10.01
28 21 31 00-0351	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	180.78	20.03
28 21 31 00-0352	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	180.78	20.03
28 21 31 00-0353	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	180.78	20.03
28 21 31 00-0354	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	180.78	20.03
28 21 31 00-0355	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	63.83	10.01
28 21 31 00-0356	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	72.36	20.03
28 21 31 00-0357	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	72.36	20.03
28 21 31 00-0358	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	72.36	20.03
28 21 31 00-0359	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	72.36	20.03
28 21 31 00-0360	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	72.36	20.03
28 21 31 00-0361	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	72.36	20.03
28 21 31 00-0362	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	210.66	27.35
28 21 31 00-0363	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	45.16	10.01
28 21 31 00-0364	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	77.47	10.01
28 21 31 00-0365	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	45.16	10.01
28 21 31 00-0366	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	77.47	10.01
28 21 31 00-0367	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,116.30	120.16
28 21 31 00-0368		Pan/Tilt Camera Systems *(28 21 31 00-0142)*		
28 21 31 00-0369		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)* Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0370		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0369)*		
28 21 31 00-0371		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0372	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	3,170.03	180.26
28 21 31 00-0373	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	3,601.55	180.26
28 21 31 00-0374	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	4,199.65	180.26
28 21 31 00-0375	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,262.66	180.26
28 21 31 00-0376	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,713.56	180.26
28 21 31 00-0377	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,311.65	180.26
28 21 31 00-0378		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0379	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	3,199.47	180.26

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28 21 31 00-0380	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	3,630.99	180.26
28 21 31 00-0381	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	4,229.08	180.26
28 21 31 00-0382	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,292.81	180.26
28 21 31 00-0383	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	3,743.00	180.26
28 21 31 00-0384	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	4,341.09	180.26
28 21 31 00-0385		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0386		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0387		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0386)*		
28 21 31 00-0388	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	3,282.04	180.26
28 21 31 00-0389	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	3,713.56	180.26
28 21 31 00-0390	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	4,311.65	180.26
28 21 31 00-0391	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	3,374.66	180.26
28 21 31 00-0392	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	3,825.57	180.26
28 21 31 00-0393	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	4,423.66	180.26
28 21 31 00-0394		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0386)*		
28 21 31 00-0395	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	3,311.48	180.26
28 21 31 00-0396	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	3,743.00	180.26
28 21 31 00-0397	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	4,341.09	180.26
28 21 31 00-0398	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	3,404.82	180.26
28 21 31 00-0399	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	3,855.01	180.26
28 21 31 00-0400	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	4,453.10	180.26
28 21 31 00-0401		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0402		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0403		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0402)*		
28 21 31 00-0404	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	3,094.64	180.26
28 21 31 00-0405	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	3,526.16	180.26
28 21 31 00-0406	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	4,124.26	180.26
28 21 31 00-0407	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	3,187.98	180.26
28 21 31 00-0408	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	3,638.17	180.26
28 21 31 00-0409	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	4,236.26	180.26
28 21 31 00-0410		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0402)*		
28 21 31 00-0411	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,124.80	180.26
28 21 31 00-0412	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	3,555.60	180.26
28 21 31 00-0413	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	4,154.41	180.26
28 21 31 00-0414	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	3,145.62	180.26
28 21 31 00-0415	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,217.42	180.26
28 21 31 00-0416	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	3,667.61	180.26
28 21 31 00-0417	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	4,266.42	180.26
28 21 31 00-0418		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0419		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0420		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0419)*		
28 21 31 00-0421	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	3,704.94	180.26
28 21 31 00-0422	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	4,303.04	180.26
28 21 31 00-0423	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	3,366.77	180.26

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28 21 31 00-0424	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	3,816.95	180.26
28 21 31 00-0425	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	4,415.05	180.26
28 21 31 00-0426		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0419)*		
28 21 31 00-0427	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,303.58	180.26
28 21 31 00-0428	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,734.38	180.26
28 21 31 00-0429	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,333.19	180.26
28 21 31 00-0430	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,396.20	180.26
28 21 31 00-0431	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	3,846.39	180.26
28 21 31 00-0432	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,445.20	180.26
28 21 31 00-0433		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0434		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0435		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0434)*		
28 21 31 00-0436	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,398.53	180.26
28 21 31 00-0437	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,461.54	180.26
28 21 31 00-0438	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,510.54	180.26
28 21 31 00-0439		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0434)*		
28 21 31 00-0440	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,398.36	180.26
28 21 31 00-0441	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,428.69	180.26
28 21 31 00-0442	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,491.70	180.26
28 21 31 00-0443	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	3,941.88	180.26
28 21 31 00-0444	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,540.70	180.26
28 21 31 00-0445		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0446		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0447		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0446)*		
28 21 31 00-0448	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,699.20	180.26
28 21 31 00-0449		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0446)*		
28 21 31 00-0450	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,728.64	180.26
28 21 31 00-0451		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0452		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0451)*		
28 21 31 00-0453	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,398.53	180.26
28 21 31 00-0454	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,252.06	180.26
28 21 31 00-0455	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	4,837.23	180.26
28 21 31 00-0456		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0451)*		
28 21 31 00-0457	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,427.25	180.26
28 21 31 00-0458	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,252.06	180.26
28 21 31 00-0459	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	4,869.54	180.26
28 21 31 00-0460		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0461		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0462		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0461)*		
28 21 31 00-0463	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	2,838.32	180.26
28 21 31 00-0464	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	3,538.37	180.26
28 21 31 00-0465	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	3,394.05	180.26
28 21 31 00-0466	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	3,849.98	180.26
28 21 31 00-0467		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0461)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0468	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	2,867.04	180.26
28 21 31 00-0469	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	3,567.81	180.26
28 21 31 00-0470	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	3,423.49	180.26
28 21 31 00-0471	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	3,882.29	180.26
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0473		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0474		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0473)*		
28 21 31 00-0475	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	18,387.33	180.26
28 21 31 00-0476	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	19,775.22	180.26
28 21 31 00-0477	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	20,241.20	180.26
28 21 31 00-0478		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0473)*		
28 21 31 00-0479	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	18,417.48	180.26
28 21 31 00-0480	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	19,804.66	180.26
28 21 31 00-0481	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	20,270.64	180.26
28 21 31 00-0482		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0483	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	7.82	2.00
28 21 31 00-0484	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	45.16	10.01
28 21 31 00-0485	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	71.01	10.01
28 21 31 00-0486	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	90.39	10.01
28 21 31 00-0487	EA	Ground Isolation Transformer (Pelco GIT100)	260.92	27.35
28 21 31 00-0488	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	485.94	27.35
28 21 31 00-0489	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	313.33	27.35
28 21 31 00-0490	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	572.13	27.35
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	241.53	27.35
28 21 31 00-0492	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	841.30	27.35
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	988.97	27.35
28 21 31 00-0494	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,176.37	27.35
28 21 31 00-0495	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,218.73	27.35
28 21 31 00-0496	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	1,285.50	27.35
28 21 31 00-0497	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,226.42	27.36
28 21 31 00-0498	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,253.42	27.35
28 21 31 00-0499	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,279.34	27.35
28 21 31 00-0500	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	4,039.03	27.35
28 21 31 00-0501	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,151.04	27.35
28 21 31 00-0502	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	93.06	6.45
28 21 31 00-0503	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	93.06	6.45
28 21 31 00-0504		Camera Lenses *(28 21 31 00-0002)*		
28 21 31 00-0505		Fixed Focus Camera Lenses *(28 21 31 00-0504)* Note: 1/3" format and manual focus.		
28 21 31 00-0506		Manual Iris, Fixed Focus Camera Lenses *(28 21 31 00-0505)*		
28 21 31 00-0507	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	115.14	9.40
28 21 31 00-0508	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	95.04	9.40
28 21 31 00-0509	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	84.99	9.40
28 21 31 00-0510	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	82.83	9.40
28 21 31 00-0511		Direct Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0505)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0512	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	144.58	9.40
28 21 31 00-0513	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	115.14	9.40
28 21 31 00-0514	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	107.96	9.40
28 21 31 00-0515	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	76.37	9.40
28 21 31 00-0516		Video Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0505)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0517	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	171.15	9.40
28 21 31 00-0518	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	140.99	9.40
28 21 31 00-0519	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	133.81	9.40
28 21 31 00-0520	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	128.07	9.40
28 21 31 00-0521		Varifocal Camera Lenses *(28 21 31 00-0504)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0522		Manual Iris, Varifocal Camera Lenses *(28 21 31 00-0521)*		
28 21 31 00-0523	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	206.96	9.40
28 21 31 00-0524	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	135.25	9.40
28 21 31 00-0525	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	104.37	9.40
28 21 31 00-0526	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	91.45	9.40
28 21 31 00-0527	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	242.95	9.40
28 21 31 00-0528	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	157.06	9.40
28 21 31 00-0529	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	168.40	9.40

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28 21 31 00-0530		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0521)* Note: Includes spot filter.		
28 21 31 00-0531	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	203.18	9.40
28 21 31 00-0532	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	177.47	9.40
28 21 31 00-0533	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	132.11	9.40
28 21 31 00-0534	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	94.31	9.40
28 21 31 00-0535	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	265.21	9.40
28 21 31 00-0536	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	200.91	9.40
28 21 31 00-0537		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0521)* Note: Includes spot filter.		
28 21 31 00-0538	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	232.18	9.40
28 21 31 00-0539	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	205.61	9.40
28 21 31 00-0540	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	122.32	9.40
28 21 31 00-0541	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	229.31	9.40
28 21 31 00-0542		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0521)*		
28 21 31 00-0543	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	111.69	9.40
28 21 31 00-0544	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	175.96	9.40
28 21 31 00-0545		**Motorized Zoom Camera Lenses** *(28 21 31 00-0504)* Note: 1/3" format.		
28 21 31 00-0546		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0545)*		
28 21 31 00-0547	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	423.88	9.40
28 21 31 00-0548	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	530.15	9.40
28 21 31 00-0549	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	565.33	9.40
28 21 31 00-0550		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0545)* Note: Includes spot filter.		
28 21 31 00-0551	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	494.27	9.40
28 21 31 00-0552	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	573.65	9.40
28 21 31 00-0553	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	624.92	9.40
28 21 31 00-0554	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	995.54	9.40
28 21 31 00-0555	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	1,991.28	9.40
28 21 31 00-0556		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0545)* Note: Includes spot filter.		
28 21 31 00-0557	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	434.65	9.40
28 21 31 00-0558	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	517.94	9.40
28 21 31 00-0559	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	651.49	9.40
28 21 31 00-0560	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	949.46	9.40
28 21 31 00-0561	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	1,547.55	9.40
28 21 31 00-0562		**Camera Power Supplies** *(28 21 31 00-0002)*		
28 21 31 00-0563	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	28.94	8.01
28 21 31 00-0564	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	50.48	8.01
28 21 31 00-0565	EA	2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	277.77	16.02
28 21 31 00-0566	EA	5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	316.46	24.04
28 21 31 00-0567	EA	10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	352.91	32.05
		For Switchable Outputs, Add	*173.29*	
28 21 31 00-0568	EA	20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	391.61	40.05
		For Switchable Outputs, Add	*186.90*	
28 21 31 00-0569		**Camera Illuminators** *(28 21 31 00-0002)*		
28 21 31 00-0570		**Camera Illuminators** *(28 21 31 00-0569)* Note: Includes lamp and mounting bracket.		
28 21 31 00-0571	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,132.03	16.02
28 21 31 00-0572	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,132.03	16.02
28 21 31 00-0573	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,132.03	16.02
28 21 31 00-0574		**Camera Illuminator Accessories** *(28 21 31 00-0569)*		
28 21 31 00-0575	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	93.08	16.02
28 21 31 00-0576		**Camera Receivers** *(28 21 31 00-0002)*		
28 21 31 00-0577	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,095.23	27.35
28 21 31 00-0578	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,095.23	27.35
28 21 31 00-0579		**Pan And Tilt Drives** *(28 21 31 00-0002)*		
28 21 31 00-0580	EA	15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	775.69	60.08
28 21 31 00-0581	EA	40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	985.35	60.08
		For Preset Positioning, Add	*165.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0582	EA	100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	2,085.33	60.08
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0583	EA	100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	2,383.30	60.08
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0584	EA	100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	2,758.09	60.08
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585	EA	100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	3,555.07	60.08
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0586		**Scanners** *(28 21 31 00-0002)*		
28 21 31 00-0587	EA	35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	885.55	60.08
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0588	EA	35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	930.78	60.08
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0589		**Camera Monitors** *(28 21 31 00-0001)*		
28 21 31 00-0590		**Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0591		**Monochrome Camera Monitors** *(28 21 31 00-0590)*		
28 21 31 00-0592	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	172.67	12.02
28 21 31 00-0593	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	197.80	12.02
28 21 31 00-0594	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	304.06	12.02
28 21 31 00-0595	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	490.02	12.02
28 21 31 00-0596		**Color Camera Monitors** *(28 21 31 00-0590)*		
28 21 31 00-0597	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	553.21	12.02
28 21 31 00-0598	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	448.38	12.02
28 21 31 00-0599	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	652.29	12.02
28 21 31 00-0600	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	867.69	12.02
28 21 31 00-0601		**LCD Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0602		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0601)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0603	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	625.72	12.02
28 21 31 00-0604	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	815.28	12.02
28 21 31 00-0605		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 21 31 00-0601)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0606	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	711.88	12.02
28 21 31 00-0607	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	852.61	12.02
28 21 31 00-0608	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,049.34	12.02
28 21 31 00-0609		**Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)** *(28 21 31 00-0601)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0610	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	914.36	12.02
28 21 31 00-0611	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,060.83	12.02
28 21 31 00-0612	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,331.52	12.02
28 21 31 00-0613		**Camera Monitor Mounting Accessories** *(28 21 31 00-0589)*		
28 21 31 00-0614		**Camera Monitor Mounts** *(28 21 31 00-0613)*		
28 21 31 00-0615	EA	Up To 14", Camera Monitor Mount (Pelco)	211.55	16.02
28 21 31 00-0616	EA	>14" To 17", Camera Monitor Mount (Pelco)	246.73	16.02
28 21 31 00-0617	EA	>17" To 21", Camera Monitor Mount (Pelco)	289.81	16.02
28 21 31 00-0618		**Camera Monitor Rack Mount Kits** *(28 21 31 00-0613)*		
28 21 31 00-0619	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	127.54	16.02
28 21 31 00-0620		**Video Transmission Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0621		**UTP Cable, Video Transmission Equipment** *(28 21 31 00-0620)*		
28 21 31 00-0622		**UTP Cable, Active Video Receivers** *(28 21 31 00-0621)*		
28 21 31 00-0623	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	266.22	20.03
28 21 31 00-0624	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	921.75	20.03
28 21 31 00-0625	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,815.66	20.03
28 21 31 00-0626	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	2,983.85	20.03
28 21 31 00-0627	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,484.30	20.03
28 21 31 00-0628		**UTP Cable, Passive Video Transceivers** *(28 21 31 00-0621)*		
28 21 31 00-0629	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	76.67	20.03
28 21 31 00-0630	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	266.22	20.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0631	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	493.11	20.03
28 21 31 00-0632	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	939.70	20.03
28 21 31 00-0633	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	1,840.08	20.03
28 21 31 00-0634		**UTP Cable, Active Video Transmitters** *(28 21 31 00-0621)*		
28 21 31 00-0635	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	278.43	20.03
28 21 31 00-0636		**Fiber Optics, Video Transmission Equipment** *(28 21 31 00-0620)*		
28 21 31 00-0637		**Data Only, Fiber Optics Transmission Equipment** *(28 21 31 00-0636)*		
28 21 31 00-0638		**Bidirectional Data, Fiber Optics Transmitters** *(28 21 31 00-0637)*		
28 21 31 00-0639	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,622.37	40.05
28 21 31 00-0640	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	661.69	40.05
28 21 31 00-0641	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,185.11	40.05
28 21 31 00-0642	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	816.78	40.05
28 21 31 00-0643		**Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0637)*		
28 21 31 00-0644	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,622.37	40.05
28 21 31 00-0645	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	661.69	40.05
28 21 31 00-0646	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,185.11	40.05
28 21 31 00-0647	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	816.78	40.05
28 21 31 00-0648		**Video Only, Fiber Optics Transmission Equipment** *(28 21 31 00-0636)*		
28 21 31 00-0649		**Digitally Encoded Video, Fiber Optics Transmitters** *(28 21 31 00-0648)*		
28 21 31 00-0650	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	719.13	40.05
28 21 31 00-0651	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	312.74	40.05
28 21 31 00-0652	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	1,996.45	40.05
28 21 31 00-0653	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,199.47	40.05
28 21 31 00-0654	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,271.62	40.05
28 21 31 00-0655	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,720.20	40.05
28 21 31 00-0656	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,125.30	40.05
28 21 31 00-0657	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,231.39	40.05
28 21 31 00-0658		**Digitally Encoded Video, Fiber Optics Receivers** *(28 21 31 00-0648)*		
28 21 31 00-0659	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	719.13	40.05
28 21 31 00-0660	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	312.74	40.05
28 21 31 00-0661	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,228.91	40.05
28 21 31 00-0662	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	497.27	40.05
28 21 31 00-0663	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	1,996.45	40.05
28 21 31 00-0664	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,199.47	40.05
28 21 31 00-0665	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,271.62	40.05
28 21 31 00-0666	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,720.20	40.05
28 21 31 00-0667	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,125.30	40.05
28 21 31 00-0668	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	7,231.39	40.05
28 21 31 00-0669		**Video And Data, Fiber Optics Transmission Equipment** *(28 21 31 00-0636)*		
28 21 31 00-0670		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters** *(28 21 31 00-0669)*		
28 21 31 00-0671	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,241.12	40.05
28 21 31 00-0672	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	739.23	40.05
28 21 31 00-0673	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	2,891.80	40.05
28 21 31 00-0674	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,503.36	40.05
28 21 31 00-0675	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	4,681.77	40.05
28 21 31 00-0676	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,393.68	40.05
28 21 31 00-0677		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0669)*		
28 21 31 00-0678	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,241.12	40.05
28 21 31 00-0679	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	739.23	40.05
28 21 31 00-0680	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	2,891.80	40.05
28 21 31 00-0681	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	2,503.36	40.05
28 21 31 00-0682	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	4,681.77	40.05
28 21 31 00-0683	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	3,393.68	40.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0684		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0636)*		
28 21 31 00-0685		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 31 00-0684)*		
28 21 31 00-0686	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	1,599.40	40.05
28 21 31 00-0687	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,271.99	40.05
28 21 31 00-0688		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 21 31 00-0684)*		
28 21 31 00-0689	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	1,599.40	40.05
28 21 31 00-0690	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,271.99	40.05
28 21 31 00-0691		Video Amplifiers *(28 21 31 00-0620)*		
28 21 31 00-0692		Video Distribution Amplifiers *(28 21 31 00-0691)*		
28 21 31 00-0693	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	197.38	10.01
28 21 31 00-0694	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	1,607.53	10.01
28 21 31 00-0695		Video Equalizing Amplifiers *(28 21 31 00-0691)*		
28 21 31 00-0696	EA	Video Equalizing Amplifier (Pelco EA2010)	214.61	10.01
28 21 31 00-0697	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	337.39	10.01
28 21 31 00-0698		Network Video Equipment *(28 21 31 00-0001)*		
28 21 31 00-0699		Video Encoders/Decoders *(28 21 31 00-0698)*		
28 21 31 00-0700	EA	MPEG4 IP Video Receiver (Pelco NET300R)	795.24	20.03
28 21 31 00-0701	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	795.24	20.03
28 21 31 00-0702	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	915.86	20.03
28 21 31 00-0703	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	915.86	20.03
28 21 31 00-0704		Network Video Recorders *(28 21 31 00-0698)*		
28 21 31 00-0705	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	5,052.98	40.05
28 21 31 00-0706	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	5,880.83	40.05
28 21 31 00-0707	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	7,537.98	40.05
28 21 31 00-0708	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	4,990.51	40.05
28 21 31 00-0709		Network Video Recorder Software *(28 21 31 00-0698)*		
28 21 31 00-0710	EA	10 User, License Pack (Pelco VMX300-LIC-10)	499.73	
28 21 31 00-0711	EA	20 User, License Pack (Pelco VMX300-LIC-20)	901.09	
28 21 31 00-0712	EA	50 User, License Pack (Pelco VMX300-LIC-50)	2,001.07	
28 21 31 00-0713	EA	100 User, License Pack (Pelco VMX300-LIC-100)	3,500.25	
28 21 31 00-0714	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	834.32	
28 21 31 00-0715	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	1,500.62	
28 21 31 00-0716	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	3,335.11	
28 21 31 00-0717	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	5,835.19	
28 21 31 00-0718	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	10,002.46	
28 21 31 00-0719	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	20,837.80	
28 21 31 00-0720	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	4,496.93	
28 21 31 00-0721	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	4,774.79	
28 21 31 00-0722	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	7,554.17	
28 21 31 00-0723	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	4,997.37	
28 21 31 00-0724	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	5,275.24	
28 21 31 00-0725	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	8,053.18	
28 21 31 00-0726	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	4,830.80	
28 21 31 00-0727	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	5,109.38	
28 21 31 00-0728	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	7,888.04	
28 21 31 00-0729	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	5,663.68	
28 21 31 00-0730	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	5,941.54	
28 21 31 00-0731	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	8,720.92	
28 21 31 00-0732		Video Recording Equipment *(28 21 31 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0733		**Digital Video Recorders** *(28 21 31 00-0732)*		
28 21 31 00-0734	EA	8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,067.16	40.05
28 21 31 00-0735	EA	8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	5,497.42	40.05
28 21 31 00-0736	EA	8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,927.68	40.05
28 21 31 00-0737	EA	16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,663.10	40.05
28 21 31 00-0738	EA	16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,093.36	40.05
28 21 31 00-0739	EA	16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,523.62	40.05
28 21 31 00-0740	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	7,914.21	40.05
28 21 31 00-0741	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	10,853.70	40.05
28 21 31 00-0742	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	13,793.91	40.05
28 21 31 00-0743	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,528.99	40.05
28 21 31 00-0744	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	12,468.48	40.05
28 21 31 00-0745	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	15,408.69	40.05
28 21 31 00-0746	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,417.16	40.05
28 21 31 00-0747	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	13,356.65	40.05
28 21 31 00-0748	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	16,296.86	40.05
28 21 31 00-0749	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	12,031.94	40.05
28 21 31 00-0750	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	14,971.43	40.05
28 21 31 00-0751	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	17,911.64	40.05
28 21 31 00-0752	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	8,736.53	40.05
28 21 31 00-0753		**Digital Video Recorder Accessories** *(28 21 31 00-0732)*		
28 21 31 00-0754	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	769.39	20.03
28 21 31 00-0755		**Matrix Systems And Controls** *(28 21 31 00-0001)*		
28 21 31 00-0756		**Video Multiplexers** *(28 21 31 00-0755)*		
28 21 31 00-0757		**Monochrome Duplex, Video Multiplexers** *(28 21 31 00-0756)*		
28 21 31 00-0758	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,454.36	40.05
28 21 31 00-0759	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,374.66	40.05
28 21 31 00-0760		**Color Duplex, Video Multiplexers** *(28 21 31 00-0756)*		
28 21 31 00-0761	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	982.64	40.05
28 21 31 00-0762	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	1,873.67	40.05
28 21 31 00-0763	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,030.92	40.05
28 21 31 00-0764		**Color Simplex, Video Multiplexers** *(28 21 31 00-0756)*		
28 21 31 00-0765	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,574.99	40.05
28 21 31 00-0766	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,839.21	40.05
28 21 31 00-0767		**Video Multiplexer Accessories** *(28 21 31 00-0756)*		
28 21 31 00-0768	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	867.63	27.35
28 21 31 00-0769	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	510.06	27.35
28 21 31 00-0770	EA	Video Multiplexer Server (Pelco MX4000SVR)	1,454.36	40.05
28 21 31 00-0771		**Quad Video Processor** *(28 21 31 00-0755)*		
28 21 31 00-0772	EA	Monochrome, Quad Video Processor (Pelco QD104M)	450.03	20.03
28 21 31 00-0773	EA	Color, Quad Video Processor (Pelco QD104C)	737.23	20.03
28 21 31 00-0774		**Switcher** *(28 21 31 00-0755)*		
28 21 31 00-0775		**Terminating Manual Switchers** *(28 21 31 00-0774)*		
28 21 31 00-0776		**Terminating Manual Switchers** *(28 21 31 00-0775)*		
28 21 31 00-0777	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	156.26	16.02
28 21 31 00-0778	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	212.27	16.02
28 21 31 00-0779	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	258.22	16.02
28 21 31 00-0780	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	422.64	16.02
28 21 31 00-0781		**Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0775)*		
28 21 31 00-0782	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	202.22	16.02
28 21 31 00-0783	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	356.59	16.02
28 21 31 00-0784	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	622.96	16.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0785		Balanced Audio Follow, Terminating Manual Switchers *(28 21 31 00-0775)*		
28 21 31 00-0786	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	270.43	16.02
28 21 31 00-0787	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	495.88	16.02
28 21 31 00-0788		Looping Manual Switchers *(28 21 31 00-0774)*		
28 21 31 00-0789		Looping Manual Switchers *(28 21 31 00-0788)*		
28 21 31 00-0790	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	174.93	16.02
28 21 31 00-0791	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	240.27	16.02
28 21 31 00-0792	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	306.33	16.02
28 21 31 00-0793	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	505.21	16.02
28 21 31 00-0794		Audio Follow, Looping Manual Switchers *(28 21 31 00-0788)*		
28 21 31 00-0795	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	218.01	16.02
28 21 31 00-0796	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	381.00	16.02
28 21 31 00-0797	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	523.16	16.02
28 21 31 00-0798		Balanced Audio Follow, Looping Manual Switchers *(28 21 31 00-0788)*		
28 21 31 00-0799	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	289.81	16.02
28 21 31 00-0800	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	525.32	16.02
28 21 31 00-0801	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	661.02	16.02
28 21 31 00-0802		Sequential Switchers *(28 21 31 00-0774)*		
28 21 31 00-0803		Single Output, Sequential Switchers *(28 21 31 00-0802)*		
28 21 31 00-0804	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	307.04	16.02
28 21 31 00-0805	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	457.82	16.02
28 21 31 00-0806		Dual Outputs, Sequential Switchers *(28 21 31 00-0802)*		
28 21 31 00-0807	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	383.87	16.02
28 21 31 00-0808	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	531.78	16.02
28 21 31 00-0809		Controls *(28 21 31 00-0755)*		
28 21 31 00-0810		Direct/Multi-Cable Controls *(28 21 31 00-0809)*		
28 21 31 00-0811	EA	Scanner Control Module (Pelco MPS524DT)	263.92	40.05
28 21 31 00-0812	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	281.87	40.05
28 21 31 00-0813	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	312.74	40.05
28 21 31 00-0814	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	327.10	40.05
28 21 31 00-0815	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	516.65	40.05
28 21 31 00-0816	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	569.07	40.05
28 21 31 00-0817		Coaxitron Controls *(28 21 31 00-0809)*		
28 21 31 00-0818	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	376.52	27.35
28 21 31 00-0819	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	714.69	27.35
28 21 31 00-0820	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	811.62	27.35
28 21 31 00-0821		Digital Controls *(28 21 31 00-0809)*		
28 21 31 00-0822	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	506.47	27.35
28 21 31 00-0823	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	860.45	27.35
28 21 31 00-0824		Lock Boxes *(28 21 31 00-0755)*		
28 21 31 00-0825	EA	VCR Lock Box (Pelco LB1000)	310.66	30.04
		For Wall Mount, Add	*165.00*	
28 21 31 00-0826	EA	Computer Disk Drive Lock Box (Pelco LB2000)	317.84	30.04
28 21 31 00-0827	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	583.50	30.04

28 40 Life Safety *(28)*

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection And Alarm Control, GUI, And Logic Systems *(28 42)*

28 42 11 00-0001		Monitoring System For Underground Tanks *(28 42 11)*		
28 42 11 00-0002		Continuous Leak Detection System *(28 42 11 00-0001)* Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	4,474.67	327.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	6,034.89	437.46
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	8,467.03	468.66
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	9,155.34	655.79
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	6,239.88	55.98
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	5,626.85	49.99
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	7,394.49	55.98
28 42 11 00-0010	EA	Tank Leak Detection Probe	2,286.40	12.00
28 42 11 00-0011	EA	Secondary Containment Collar Probe	280.69	4.80
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	515.08	9.99
28 42 11 00-0013	EA	Liquid Phase Detection	1,698.38	29.99
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	1,568.78	29.99
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	1,831.76	33.99
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	2,090.96	33.99

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001 Hydrogen Gas Detection *(28 42 15)*

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,162.54	30.04
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	63.14	10.01
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	300.28	30.04

28 43 Fuel Oil Detection And Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection And Alarm *(28 40)*

28 46 11 Fire Sensors and Detectors *(28 46)*

28 46 11 11 Linear Heat Detection Sensors *(28 46 11)*

28 46 11 11-0001 Protectowire Fire Alarm *(28 46 11 11)*

28 46 11 11-0002 Linear Heat Detector Cable *(28 46 11 11-0001)*

28 46 11 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	3.43	
28 46 11 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	3.71	
28 46 11 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	3.71	
28 46 11 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	3.98	
28 46 11 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	4.41	
28 46 11 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	4.69	
28 46 11 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	44.70	
28 46 11 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	17.13	
28 46 11 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	5.95	
28 46 11 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	5.95	
28 46 11 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	6.69	
28 46 11 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	10.41	
28 46 11 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	10.79	
28 46 11 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	0.95	
28 46 11 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.30	
28 46 11 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	5.68	

28 46 20 Fire Alarm *(28 46)*

28 46 21 17 Proprietary Systems *(28 46 20)*

28 46 21 17-0001 Edwards Fire Alarm *(28 46 21 17)*

28 46 21 17-0002 EST3 Life Safety And Security Control *(28 46 21 17-0001)*

28 46 21 17-0003 EST3 Network *(28 46 21 17-0002)*

28 46 21 17-0004 Remote Annunciators *(28 46 21 17-0003)*

28 46 21 17-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	946.51	60.08
28 46 21 17-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	773.65	60.08
28 46 21 17-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	975.22	60.08
28 46 21 17-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	626.09	60.08
28 46 21 17-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	117.04	20.03
28 46 21 17-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	406.94	60.08
28 46 21 17-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	641.85	60.08
28 46 21 17-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	457.47	60.08
28 46 21 17-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	527.03	40.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	82.72	20.03
28 46 21 17-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,118.64	60.08
28 46 21 17-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	981.33	20.03
28 46 21 17-0017		**Remote Annunciators Cabinets** *(28 46 21 17-0003)*		
28 46 21 17-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	88.86	20.03
28 46 21 17-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	80.86	16.02
28 46 21 17-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	99.69	20.03
28 46 21 17-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	91.69	16.02
28 46 21 17-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	109.85	20.03
28 46 21 17-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	101.85	16.02
28 46 21 17-0024		**Audio And Telephone Masters** *(28 46 21 17-0003)*		
28 46 21 17-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	3,060.86	80.11
28 46 21 17-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	1,711.77	80.11
28 46 21 17-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,871.97	80.11
28 46 21 17-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,619.01	80.11
28 46 21 17-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	1,846.63	80.11
28 46 21 17-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,881.07	40.05
28 46 21 17-0031		**Battery Distribution Unit** *(28 46 21 17-0003)*		
28 46 21 17-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	352.49	272.37
28 46 21 17-0033		**Remote Booster Power Supply** *(28 46 21 17-0003)*		
28 46 21 17-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	541.81	60.08
28 46 21 17-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	616.83	60.08
28 46 21 17-0036	EA	10 Amp, 220 Volt AC Booster Power Supply (EST3 BPS10220)	672.11	60.08
28 46 21 17-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	90.68	20.03
28 46 21 17-0038		**Batteries And Battery Cabinets** *(28 46 21 17-0003)*		
28 46 21 17-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours))	70.07	20.03
28 46 21 17-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours))	86.37	20.03
28 46 21 17-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours))	198.82	20.03
28 46 21 17-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours))	92.90	20.03
28 46 21 17-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours))	251.02	20.03
28 46 21 17-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours))	142.96	20.03
28 46 21 17-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours))	505.34	20.03
28 46 21 17-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours))	146.32	20.03
28 46 21 17-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours))	607.60	20.03
28 46 21 17-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours))	83.19	20.03
28 46 21 17-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours))	75.05	20.03
28 46 21 17-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	261.94	40.05
28 46 21 17-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	218.04	40.05
28 46 21 17-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	733.67	80.11
28 46 21 17-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	906.49	80.11
28 46 21 17-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	1,264.85	80.11
28 46 21 17-0055		**Serial Printer** *(28 46 21 17-0003)*		
28 46 21 17-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	984.06	20.03
28 46 21 17-0057		**Intelligent Analog Initiating Devices** *(28 46 21 17-0002)*		
28 46 21 17-0058		**Detectors, Signature** *(28 46 21 17-0057)*		
28 46 21 17-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	158.38	30.04
28 46 21 17-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	177.36	30.04
28 46 21 17-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	152.73	30.04
28 46 21 17-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	135.78	30.04
28 46 21 17-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	141.43	30.04
28 46 21 17-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	116.87	30.04
28 46 21 17-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	116.87	30.04
28 46 21 17-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	182.40	30.04
28 46 21 17-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	200.92	30.04
28 46 21 17-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	170.38	30.04
28 46 21 17-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	243.96	30.04
28 46 21 17-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	142.93	30.04
28 46 21 17-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	142.93	30.04
28 46 21 17-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	195.10	30.04
28 46 21 17-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 21 17-0057)*		
28 46 21 17-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	318.55	50.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	14.48	
28 46 21 17-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	42.85	12.02
28 46 21 17-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	83.72	16.02
28 46 21 17-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	112.42	16.02
28 46 21 17-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	51.01	16.02
28 46 21 17-0080		**Detectors, Smoke, Beam** *(28 46 21 17-0057)*		
28 46 21 17-0081	EA	Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	109.00	
28 46 21 17-0082	EA	Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01) Note: Includes controller and remote mount transmitter and receiver head.	1,280.43	30.04
28 46 21 17-0083	EA	Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00)	78.26	10.01
28 46 21 17-0084	EA	Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01)	92.78	10.01
28 46 21 17-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,320.69	30.04
28 46 21 17-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,126.75	30.04
28 46 21 17-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	262.51	10.01
28 46 21 17-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R)	1,392.18	30.04
28 46 21 17-0089		**Modules, Signature** *(28 46 21 17-0057)*		
28 46 21 17-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	147.79	20.03
28 46 21 17-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	97.51	20.03
28 46 21 17-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	137.58	20.03
28 46 21 17-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	132.66	20.03
28 46 21 17-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	152.70	20.03
28 46 21 17-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	161.02	20.03
28 46 21 17-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	118.68	20.03
28 46 21 17-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	115.75	20.03
28 46 21 17-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	153.53	20.03
28 46 21 17-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	149.74	20.03
28 46 21 17-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	144.09	20.03
28 46 21 17-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	132.37	112.35
28 46 21 17-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	97.73	20.03
28 46 21 17-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	154.26	20.03
28 46 21 17-0104		**Module Accessories, Signature** *(28 46 21 17-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 21 17-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	39.02	10.01
28 46 21 17-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	130.83	20.03
28 46 21 17-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	14.85	6.00
28 46 21 17-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	45.56	10.01
28 46 21 17-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	40.86	10.01
28 46 21 17-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	42.72	10.01
28 46 21 17-0111		**Single Action Pull Stations, Signature** *(28 46 21 17-0057)*		
28 46 21 17-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	165.24	41.66
28 46 21 17-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	193.59	41.66
28 46 21 17-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2)	22.41	18.41
28 46 21 17-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	27.87	23.87
28 46 21 17-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	44.30	28.27
28 46 21 17-0117		**Double Action Pull Stations, Signature** *(28 46 21 17-0057)*		
28 46 21 17-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	170.08	41.66
28 46 21 17-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	28.28	4.01
28 46 21 17-0120		**Detector Bases and Accessories, Signature** *(28 46 21 17-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 17-0121	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	80.96	10.01
28 46 21 17-0122	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	31.43	10.01
28 46 21 17-0123	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	100.64	10.01
28 46 21 17-0124	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	57.91	10.01
28 46 21 17-0125	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	67.36	10.01
28 46 21 17-0126	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	105.16	10.01
28 46 21 17-0127	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	39.02	10.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0128	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	14.93	6.00
28 46 21 17-0129	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	14.93	6.00
28 46 21 17-0130	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	40.45	6.00
28 46 21 17-0131	EA	Detector Base With Isolator (EST3 SIGA-IB)	66.40	10.01
28 46 21 17-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	70.45	10.01
28 46 21 17-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	59.35	10.01
28 46 21 17-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	59.34	10.01
28 46 21 17-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	32.88	10.01
28 46 21 17-0136		**Controllers, Signature** *(28 46 21 17-0057)*		
28 46 21 17-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	2,197.62	60.08
28 46 21 17-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1)	1,265.00	60.08
28 46 21 17-0139	EA	Signature Loop Controller (EST3 3-SDC1)	1,137.70	60.08
28 46 21 17-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	1,816.05	60.08
28 46 21 17-0141		**Relays And Accessories** *(28 46 21 17-0057)*		
28 46 21 17-0142	EA	Multi Voltage Relay (EST3 MR101)	120.13	20.03
28 46 21 17-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	36.62	10.01
28 46 21 17-0144		**Notification Appliances** *(28 46 21 17-0002)*		
28 46 21 17-0145		**Wall Strobes, Horns And Chimes** *(28 46 21 17-0144)*		
28 46 21 17-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	100.49	30.04
28 46 21 17-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	100.49	30.04
28 46 21 17-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	113.65	30.04
28 46 21 17-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	85.66	30.04
28 46 21 17-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	85.66	30.04
28 46 21 17-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	85.66	30.04
28 46 21 17-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	85.66	30.04
28 46 21 17-0153	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	73.20	30.04
28 46 21 17-0154	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	73.20	30.04
28 46 21 17-0155	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	73.20	30.04
28 46 21 17-0156	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	167.37	30.04
28 46 21 17-0157	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	167.37	30.04
28 46 21 17-0158	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	112.05	30.04
28 46 21 17-0159	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	112.05	30.04
28 46 21 17-0160	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	100.49	30.04
28 46 21 17-0161	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	100.49	30.04
28 46 21 17-0162	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	100.49	30.04
28 46 21 17-0163	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	100.49	30.04
28 46 21 17-0164	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	104.19	30.04
28 46 21 17-0165	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	104.19	30.04
28 46 21 17-0166	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	112.84	30.04
28 46 21 17-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	104.19	30.04
28 46 21 17-0168	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	104.19	30.04
28 46 21 17-0169	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	65.10	30.04
28 46 21 17-0170	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	65.10	30.04
28 46 21 17-0171		**Wall Speakers And Speaker Strobes** *(28 46 21 17-0144)*		
28 46 21 17-0172	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	84.54	30.04
28 46 21 17-0173	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	126.29	30.04
28 46 21 17-0174	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	84.54	30.04
28 46 21 17-0175	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	126.29	30.04
28 46 21 17-0176	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	42.22	16.02
28 46 21 17-0177	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	42.22	16.02
28 46 21 17-0178		**Ceiling Speakers And Speaker Strobes** *(28 46 21 17-0144)*		
28 46 21 17-0179	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	99.68	30.04
28 46 21 17-0180	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	126.29	30.04
28 46 21 17-0181	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	134.71	30.04
28 46 21 17-0182		**Harsh Environment Signals** *(28 46 21 17-0144)*		
28 46 21 17-0183	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	89.32	30.04
28 46 21 17-0184	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	122.55	30.04
28 46 21 17-0185	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	122.55	30.04
28 46 21 17-0186	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	112.67	30.04
28 46 21 17-0187	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	106.10	30.04
28 46 21 17-0188	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	112.67	30.04
28 46 21 17-0189	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	112.67	30.04
28 46 21 17-0190	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	112.67	30.04
28 46 21 17-0191	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	124.76	34.05
28 46 21 17-0192	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	124.76	34.05
28 46 21 17-0193	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	93.36	30.04
28 46 21 17-0194	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	119.45	30.04

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0195		**Fire Alarm Bells** *(28 46 21 17-0144)*		
28 46 21 17-0196	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	131.77	30.04
28 46 21 17-0197	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	106.95	30.04
28 46 21 17-0198	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	117.54	30.04
28 46 21 17-0199		**Multiple Tone Signal** *(28 46 21 17-0144)*		
28 46 21 17-0200	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	804.66	774.62
28 46 21 17-0201		**Multi-Purpose Loudspeaker** *(28 46 21 17-0144)*		
28 46 21 17-0202	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	171.34	30.04
28 46 21 17-0203	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	171.34	30.04
28 46 21 17-0204		**Bell/Strobe Plate** *(28 46 21 17-0144)*		
28 46 21 17-0205	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	86.89	16.02
28 46 21 17-0206		**Mounting Accessories** *(28 46 21 17-0144)*		
28 46 21 17-0207	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	42.99	16.02
28 46 21 17-0208	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	42.99	16.02
28 46 21 17-0209	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	42.99	16.02
28 46 21 17-0210	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	42.99	16.02
28 46 21 17-0211	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	42.99	16.02
28 46 21 17-0212		**Firefighters' Telephones** *(28 46 21 17-0144)*		
28 46 21 17-0213	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	726.44	50.07
28 46 21 17-0214	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	413.30	50.07
28 46 21 17-0215	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	300.53	50.07
28 46 21 17-0216	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	221.91	50.07
28 46 21 17-0217	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	399.26	50.07
28 46 21 17-0218	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	249.97	50.07
28 46 21 17-0219	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	448.96	50.07
28 46 21 17-0220	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	259.32	50.07
28 46 21 17-0221	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	512.60	50.07
28 46 21 17-0222	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	58.29	16.02
28 46 21 17-0223	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	66.43	16.02
28 46 21 17-0224	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	88.99	
28 46 21 17-0225	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	88.99	
28 46 21 17-0226	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	137.75	20.03
28 46 21 17-0227	EA	Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	170.15	20.03
28 46 21 17-0228	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	121.55	20.03
28 46 21 17-0229	EA	Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4)	116.78	20.03
28 46 21 17-0230	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	89.69	30.04
28 46 21 17-0231	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	747.32	40.05
28 46 21 17-0232		**Mass Notification EC Appliances** *(28 46 21 17-0144)*		
28 46 21 17-0233	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	104.22	30.04
28 46 21 17-0234	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	100.85	30.04
28 46 21 17-0235	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	104.22	30.04
28 46 21 17-0236	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	100.85	30.04
28 46 21 17-0237	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	16.04	6.00
28 46 21 17-0238		**Hazardous Location Devices** *(28 46 21 17-0002)*		
28 46 21 17-0239		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 21 17-0238)*		
28 46 21 17-0240	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	93.49	30.04
28 46 21 17-0241	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	93.49	30.04
28 46 21 17-0242	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	96.29	30.04
28 46 21 17-0243	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	96.29	30.04
28 46 21 17-0244	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	129.72	30.04
28 46 21 17-0245	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	129.72	30.04
28 46 21 17-0246	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	96.29	30.04
28 46 21 17-0247	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	96.29	30.04
28 46 21 17-0248		**Hazardous Locations Fire Alarm Station** *(28 46 21 17-0238)*		
28 46 21 17-0249	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	768.90	50.07
28 46 21 17-0250	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	732.57	50.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0251		**Hazardous Location Strobes** *(28 46 21 17-0238)*		
28 46 21 17-0252	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,132.27	30.04
28 46 21 17-0253	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	212.37	10.01
28 46 21 17-0254	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	277.58	12.02
28 46 21 17-0255	EA	Pendant Mounting Module (EST3 116EX-P)	204.46	12.02
28 46 21 17-0256		**Hazardous Location Bells** *(28 46 21 17-0238)*		
28 46 21 17-0257	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	819.05	30.04
28 46 21 17-0258	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	840.09	30.04
28 46 21 17-0259	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	847.66	30.04
28 46 21 17-0260		**Hazardous Location Horns** *(28 46 21 17-0238)*		
28 46 21 17-0261	EA	Hazardous Location Horns (EST3 888D-N5)	800.93	30.04
28 46 21 17-0262	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	655.38	30.04
28 46 21 17-0263		**Door Holders And Relays** *(28 46 21 17-0002)*		
28 46 21 17-0264		**Electromagnetic Door Holders** *(28 46 21 17-0263)*		
28 46 21 17-0265	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	149.10	30.04
28 46 21 17-0266	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	191.31	30.04
28 46 21 17-0267	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	127.54	30.04
28 46 21 17-0268	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	127.54	30.04
28 46 21 17-0269	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	129.49	30.04
28 46 21 17-0270	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	131.35	30.04
28 46 21 17-0271		**Control Relays, Multi-Voltage** *(28 46 21 17-0263)*		
28 46 21 17-0272	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	30.13	6.00
28 46 21 17-0273		**FireShield Plus** *(28 46 21 17-0002)*		
28 46 21 17-0274		**3 Zone System** *(28 46 21 17-0273)*		
28 46 21 17-0275	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	825.52	240.34
28 46 21 17-0276	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,196.00	320.45
28 46 21 17-0277	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	825.52	240.34
28 46 21 17-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,196.00	320.45
28 46 21 17-0279	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	56.40	10.01
28 46 21 17-0280	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	56.40	10.01
28 46 21 17-0281		**5 Zone System** *(28 46 21 17-0273)*		
28 46 21 17-0282	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	884.39	240.34
28 46 21 17-0283	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,251.51	320.45
28 46 21 17-0284	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	884.39	240.34
28 46 21 17-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,251.51	320.45
28 46 21 17-0286	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	56.40	10.01
28 46 21 17-0287	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	56.40	10.01
28 46 21 17-0288		**10 Zone System** *(28 46 21 17-0273)*		
28 46 21 17-0289	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,271.70	320.45
28 46 21 17-0290	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,642.19	400.56
28 46 21 17-0291	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,246.46	320.45
28 46 21 17-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,642.19	400.56
28 46 21 17-0293	EA	Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	65.51	10.01
28 46 21 17-0294	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	120.15	20.03
28 46 21 17-0295		**FireShield Plus Off Premise Communication Options** *(28 46 21 17-0273)*		
28 46 21 17-0296	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	258.73	20.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0297		**FireShield Plus Remote LED Annunciators** *(28 46 21 17-0273)*		
28 46 21 17-0298	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	114.66	30.04
28 46 21 17-0299	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	114.66	30.04
28 46 21 17-0300	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	118.95	30.04
28 46 21 17-0301	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	22.96	6.00
28 46 21 17-0302	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	28.45	6.00
28 46 21 17-0303	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	41.64	6.00
28 46 21 17-0304		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 21 17-0273)*		
28 46 21 17-0305	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	346.04	30.04
28 46 21 17-0306	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	379.68	30.04
28 46 21 17-0307	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	124.16	20.03
28 46 21 17-0308		**FireShield Plus Remote Relays And Interfaces** *(28 46 21 17-0273)*		
28 46 21 17-0309	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	131.02	20.03
28 46 21 17-0310	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	55.03	12.02
28 46 21 17-0311	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	206.58	20.03
28 46 21 17-0312		**FireShield Plus Accessories** *(28 46 21 17-0273)*		
28 46 21 17-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	12.43	
28 46 21 17-0314	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	7.83	
28 46 21 17-0315		**iO Series Fire Control Panels** *(28 46 21 17-0002)*		
28 46 21 17-0316		**Intelligent Analog Control Panels** *(28 46 21 17-0315)*		
28 46 21 17-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,490.40	400.56
28 46 21 17-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,653.57	400.56
28 46 21 17-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	1,988.28	320.45
28 46 21 17-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	2,063.98	320.45
28 46 21 17-0321		**Option Modules And Accessories For iO Series** *(28 46 21 17-0315)*		
28 46 21 17-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	228.29	30.04
28 46 21 17-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	144.19	30.04
28 46 21 17-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	144.19	30.04
28 46 21 17-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	124.16	20.03
28 46 21 17-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	250.73	16.02
28 46 21 17-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	452.58	16.02
28 46 21 17-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	55.35	10.01
28 46 21 17-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	63.77	10.01
28 46 21 17-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	837.07	40.05
28 46 21 17-0331		**Remote Annunciators For iO Series** *(28 46 21 17-0315)*		
28 46 21 17-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	459.58	30.04
28 46 21 17-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	480.61	30.04
28 46 21 17-0334		**Remote Annunciator Accessories** *(28 46 21 17-0315)*		
28 46 21 17-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	53.67	10.01
28 46 21 17-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	36.85	10.01
28 46 21 17-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	49.46	10.01
28 46 21 17-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	144.19	30.04
28 46 21 17-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	165.21	30.04
28 46 21 17-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	186.24	30.04
28 46 21 17-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	36.85	10.01
28 46 21 17-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	36.85	10.01
28 46 21 17-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	73.60	10.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0344		**System Accessories** *(28 46 21 17-0315)*		
28 46 21 17-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	261.94	40.05
28 46 21 17-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,214.84	320.45
28 46 21 17-0347		**Conventional Initiating Devices** *(28 46 21 17-0002)*		
28 46 21 17-0348		**Detectors, Heat, Double Pole** *(28 46 21 17-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 17-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	105.40	30.04
28 46 21 17-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	105.40	30.04
28 46 21 17-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	105.40	30.04
28 46 21 17-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	105.40	30.04
28 46 21 17-0353		**Detectors, Rate Compensation Heat, Accessories** *(28 46 21 17-0347)*		
28 46 21 17-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	66.43	30.04
28 46 21 17-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	169.54	16.02
28 46 21 17-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	56.44	20.03
28 46 21 17-0357		**Detectors, Heat, Fire-Lite** *(28 46 21 17-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 17-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	98.97	30.04
28 46 21 17-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	98.97	30.04
28 46 21 17-0360		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 21 17-0002)*		
28 46 21 17-0361		**Audio Notification Panels** *(28 46 21 17-0360)*		
28 46 21 17-0362	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,299.09	400.56
28 46 21 17-0363	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	3,299.09	400.56
28 46 21 17-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,483.25	400.56
28 46 21 17-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,483.25	400.56
28 46 21 17-0366	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,886.97	400.56
28 46 21 17-0367	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,886.97	400.56
28 46 21 17-0368		**Audio Notification Expander Panels** *(28 46 21 17-0360)*		
28 46 21 17-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,550.54	400.56
28 46 21 17-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,550.54	400.56
28 46 21 17-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,759.94	400.56
28 46 21 17-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,759.94	400.56
28 46 21 17-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,222.53	400.56
28 46 21 17-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,222.53	400.56
28 46 21 17-0375		**Audio Notification Output Accessories** *(28 46 21 17-0360)*		
28 46 21 17-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	95.73	10.01
28 46 21 17-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	418.53	20.03
28 46 21 17-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	418.53	20.03
28 46 21 17-0379	EA	Class A Converter (GE ANSZSC4A)	300.78	20.03
28 46 21 17-0380		**Audio Notification Remote Microphone** *(28 46 21 17-0360)*		
28 46 21 17-0381	EA	Microphone (GE ANSMIKE)	115.75	20.03
28 46 21 17-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	460.58	20.03
28 46 21 17-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	460.58	20.03
28 46 21 17-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	104.14	10.01
28 46 21 17-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	57.87	10.01
28 46 21 17-0386		**Audio Notification Accessories** *(28 46 21 17-0360)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	191.44	20.03
28 46 21 17-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	191.44	20.03
28 46 21 17-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	191.44	20.03
28 46 21 17-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	418.53	20.03
28 46 21 17-0391		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 21 17-0360)*		
28 46 21 17-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	1,518.33	40.05
28 46 21 17-0393	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	1,594.02	40.05
28 46 21 17-0394	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	2,199.59	40.05
28 46 21 17-0395	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	837.07	40.05
28 46 21 17-0396	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	837.07	40.05
28 46 21 17-0397	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,518.33	40.05
28 46 21 17-0398	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	1,215.54	40.05
28 46 21 17-0399	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,291.24	40.05
28 46 21 17-0400	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	1,896.81	40.05
28 46 21 17-0401	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	95.73	10.01
28 46 21 17-0402	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	71.37	10.01
28 46 21 17-0403		**Simplex Fire Alarm** *(28 46 21 17)*		
28 46 21 17-0404		**4100 Fire Alarm Control Panel** *(28 46 21 17-0403)*		
28 46 21 17-0405	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	4,150.14	399.88
28 46 21 17-0406	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	4,515.52	399.88
28 46 21 17-0407	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	6,429.17	399.88
28 46 21 17-0408	EA	IDNet Module, Up To 127 Points (Simplex 4100-3104) Note: Add-on module.	2,714.29	399.88
28 46 21 17-0409	EA	IDNet Module, Up To 64 Points (Simplex 4100-3105) Note: Add-on module.	2,157.07	399.88
28 46 21 17-0410	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	1,293.42	99.97
28 46 21 17-0411	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	270.39	20.00
28 46 21 17-0412	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	768.98	20.00
28 46 21 17-0413		**4100U Backbox** *(28 46 21 17-0403)*		
28 46 21 17-0414	EA	2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	1,342.19	79.98
28 46 21 17-0415	EA	3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	1,884.30	79.98
28 46 21 17-0416		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 21 17-0403)*		
28 46 21 17-0417	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	734.19	39.98
28 46 21 17-0418		**4010 Fire Alarm Control Panel** *(28 46 21 17-0403)*		
28 46 21 17-0419	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,926.16	399.88
28 46 21 17-0420	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,815.01	399.88
28 46 21 17-0421	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	140.87	20.00
28 46 21 17-0422	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	599.79	20.00
28 46 21 17-0423	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	823.32	20.00
28 46 21 17-0424	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	424.73	20.00
28 46 21 17-0425	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	459.34	20.00
28 46 21 17-0426	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	174.49	20.00
28 46 21 17-0427		**Printer** *(28 46 21 17-0403)*		
28 46 21 17-0428	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,323.89	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0429		**NAC Panel / Power Booster** *(28 46 21 17-0403)*		
28 46 21 17-0430	EA	IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 Volt AC (Simplex 4009-9201) Note: Power supply for horns and strobes.	871.27	99.97
28 46 21 17-0431		**Battery** *(28 46 21 17-0403)*		
28 46 21 17-0432	EA	50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	537.43	20.00
28 46 21 17-0433	EA	33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	358.17	20.00
28 46 21 17-0434	EA	6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	131.11	20.00
28 46 21 17-0435		**Interface Modules** *(28 46 21 17-0403)*		
28 46 21 17-0436	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow/tamper, etc.	106.47	20.00
28 46 21 17-0437	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	217.13	20.00
28 46 21 17-0438	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	54.34	20.00
28 46 21 17-0439	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	107.69	20.00
28 46 21 17-0440	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	48.11	9.99
28 46 21 17-0441	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	45.77	9.99
28 46 21 17-0442		**Pull Stations** *(28 46 21 17-0403)*		
28 46 21 17-0443	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	130.21	20.00
28 46 21 17-0444	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	93.87	20.00
28 46 21 17-0445	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	100.89	20.00
28 46 21 17-0446	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	90.71	20.00
28 46 21 17-0447	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	105.59	20.00
28 46 21 17-0448	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	159.05	20.00
28 46 21 17-0449	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	133.70	20.00
28 46 21 17-0450	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	157.12	20.00
28 46 21 17-0451	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	74.35	20.00
28 46 21 17-0452	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	78.63	20.00
28 46 21 17-0453	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	92.44	20.00
28 46 21 17-0454	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	142.63	20.00
28 46 21 17-0455	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	245.26	20.00
28 46 21 17-0456	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	82.16	20.00
28 46 21 17-0457	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	50.46	9.99
28 46 21 17-0458		**Weatherproof Pull Stations** *(28 46 21 17-0403)*		
28 46 21 17-0459	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	127.65	24.00
28 46 21 17-0460	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	81.59	9.99
28 46 21 17-0461		**Heat / Smoke Sensor** *(28 46 21 17-0403)*		
28 46 21 17-0462	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	129.00	29.99
28 46 21 17-0463	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	186.51	29.99
28 46 21 17-0464	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	358.51	9.99
28 46 21 17-0465	EA	Standard Sensor Base (Simplex 4098-9792)	182.70	9.99
28 46 21 17-0466	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	106.90	20.00
28 46 21 17-0467		**Explosion Proof Heat Detector** *(28 46 21 17-0403)*		
28 46 21 17-0468	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	136.35	29.99
28 46 21 17-0469	EA	Explosion Proof Backbox (Killark JLX-21)	87.96	9.99
28 46 21 17-0470	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	8.15	1.99
28 46 21 17-0471		**Weatherproof Heat Detector** *(28 46 21 17-0403)*		
28 46 21 17-0472	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	99.40	29.99
28 46 21 17-0473		**200 Degree F Heat Detector** *(28 46 21 17-0403)*		
28 46 21 17-0474	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	82.88	29.99
28 46 21 17-0475		**Duct Smoke Sensor** *(28 46 21 17-0403)*		
28 46 21 17-0476	EA	Duct Sensor Housing (Simplex 4098-9755)	290.69	16.00
28 46 21 17-0477	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	393.53	35.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0478	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	44.44	9.99
28 46 21 17-0479	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	106.37	29.99
28 46 21 17-0480		**Interior Horn** *(28 46 21 17-0403)*		
28 46 21 17-0481	EA	Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	98.68	29.99
28 46 21 17-0482	EA	White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	98.68	29.99
28 46 21 17-0483		**Interior Horn Strobe** *(28 46 21 17-0403)*		
28 46 21 17-0484	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	135.23	29.99
28 46 21 17-0485	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	135.23	29.99
28 46 21 17-0486	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	126.89	29.99
28 46 21 17-0487	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	126.89	29.99
28 46 21 17-0488	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	126.89	29.99
28 46 21 17-0489	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	126.89	29.99
28 46 21 17-0490	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	129.69	29.99
28 46 21 17-0491	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	129.69	29.99
28 46 21 17-0492	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	134.60	29.99
28 46 21 17-0493	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	132.34	29.99
28 46 21 17-0494	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	134.60	29.99
28 46 21 17-0495	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	132.34	29.99
28 46 21 17-0496	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	126.89	29.99
28 46 21 17-0497	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	126.89	29.99
28 46 21 17-0498	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	126.89	29.99
28 46 21 17-0499	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	126.89	29.99
28 46 21 17-0500		**Interior Strobe** *(28 46 21 17-0403)*		
28 46 21 17-0501	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	109.18	29.99
28 46 21 17-0502	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	109.18	29.99
28 46 21 17-0503	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	109.14	29.99
28 46 21 17-0504	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	109.18	29.99
28 46 21 17-0505	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	119.77	29.99
28 46 21 17-0506	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	119.77	29.99
28 46 21 17-0507	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	120.45	29.99
28 46 21 17-0508	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	122.30	29.99
28 46 21 17-0509	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	122.30	29.99
28 46 21 17-0510	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	122.30	29.99
28 46 21 17-0511	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	109.18	29.99
28 46 21 17-0512	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	109.18	29.99
28 46 21 17-0513	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	109.18	29.99
28 46 21 17-0514	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	109.18	29.99
28 46 21 17-0515		**Interior Speakers** *(28 46 21 17-0403)*		
28 46 21 17-0516	EA	Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	89.72	29.99
28 46 21 17-0517	EA	White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	89.72	29.99
28 46 21 17-0518	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	89.72	29.99
28 46 21 17-0519		**Interior Speaker Strobe** *(28 46 21 17-0403)*		
28 46 21 17-0520	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	143.48	29.99
28 46 21 17-0521	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	143.48	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0522		**Surge Suppressors** *(28 46 21 17-0403)*		
28 46 21 17-0523	EA	Overvoltage Suppressor (Simplex 2081-9044)	90.87	5.99
28 46 21 17-0524	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	58.41	5.99
28 46 21 17-0525	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	193.67	5.99
28 46 21 17-0526	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	66.78	5.99
28 46 21 17-0527	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	100.74	9.99
28 46 21 17-0528	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	68.44	5.99
28 46 21 17-0529	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	51.71	5.99
28 46 21 17-0530		**Boxes And Adapters** *(28 46 21 17-0403)*		
28 46 21 17-0531	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	45.77	9.99
28 46 21 17-0532	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	43.43	9.99
28 46 21 17-0533	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	38.83	9.99
28 46 21 17-0534	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	32.32	9.99
28 46 21 17-0535		**Accessories** *(28 46 21 17-0403)*		
28 46 21 17-0536	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	22.72	9.99
28 46 21 17-0537		**Siemens Fire Alarm** *(28 46 21 17)*		
28 46 21 17-0538		**Conventional Control Panels** *(28 46 21 17-0537)*		
28 46 21 17-0539		**SXL Batteries And Power Supplies** *(28 46 21 17-0538)*		
28 46 21 17-0540	EA	6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	766.29	39.98
28 46 21 17-0541	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	618.26	39.98
28 46 21 17-0542		**Digital Fire Communicators** *(28 46 21 17-0538)*		
28 46 21 17-0543	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	598.75	39.98
28 46 21 17-0544		**Addressable Control Panels** *(28 46 21 17-0537)*		
28 46 21 17-0545		**Fireseeker Equipment** *(28 46 21 17-0544)*		
28 46 21 17-0546		**FS-250 System Panels** *(28 46 21 17-0545)*		
28 46 21 17-0547	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	1,887.08	399.88
28 46 21 17-0548	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,339.23	399.88
28 46 21 17-0549	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	1,406.85	319.90
28 46 21 17-0550	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,889.77	399.88
28 46 21 17-0551		**FS-250 Optional Modules** *(28 46 21 17-0545)*		
28 46 21 17-0552	EA	Main Board Module (Siemens FS-MB2)	771.67	39.98
28 46 21 17-0553	EA	Display Board Module (Siemens FS-DB2)	599.79	20.00
28 46 21 17-0554	EA	Device Loop Card (Siemens FS-DLC)	492.14	20.00
28 46 21 17-0555	EA	Releasing Module (Siemens FS-REL)	220.30	20.00
28 46 21 17-0556	EA	Remote LCD Annunciator (Siemens FS-RD2)	488.77	20.00
28 46 21 17-0557	EA	Relay Processor Card (Siemens FS-RU2)	424.85	20.00
28 46 21 17-0558	EA	Relay Expander Board (Siemens FS-RE8)	362.95	20.00
28 46 21 17-0559	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	488.77	20.00
28 46 21 17-0560	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	381.79	20.00
28 46 21 17-0561	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	347.47	20.00
28 46 21 17-0562	EA	Municipal Tie Module (Siemens FS-MT)	295.66	20.00
28 46 21 17-0563	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	273.09	
28 46 21 17-0564	EA	Programming Cable Kit (Siemens CBL-UD)	71.81	9.99
28 46 21 17-0565	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	129.47	20.00
28 46 21 17-0566	EA	Releasing Power Transformer (Siemens FS-RPT-A)	131.49	20.00
28 46 21 17-0567	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	147.72	16.00
28 46 21 17-0568	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	238.00	9.99
28 46 21 17-0569		**Firefinder Systems** *(28 46 21 17-0544)*		
28 46 21 17-0570		**XLS Basic Fire System Packages Without Backbox** *(28 46 21 17-0569)*		
28 46 21 17-0571	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	6,546.97	399.88

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28 46 21 17-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,778.57	399.88
28 46 21 17-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,778.57	399.88
28 46 21 17-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	9,597.67	399.88
28 46 21 17-0575	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	9,916.60	399.88
28 46 21 17-0576	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,701.19	399.88
28 46 21 17-0577	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,701.19	399.88
28 46 21 17-0578	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,600.12	399.88
28 46 21 17-0579		**Firefinder - XLS Basic System Equipment** *(28 46 21 17-0569)*		
28 46 21 17-0580	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	3,042.36	399.88
28 46 21 17-0581	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	5,027.94	399.88
28 46 21 17-0582	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	3,042.36	399.88
28 46 21 17-0583	EA	Two Slot Card Cage (Siemens CC-2)	373.71	20.00
28 46 21 17-0584	EA	Five Slot Card Cage (Siemens CC-5)	630.07	20.00
28 46 21 17-0585	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	899.21	20.00
28 46 21 17-0586	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	938.91	20.00
28 46 21 17-0587	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	298.35	20.00
28 46 21 17-0588	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,065.40	20.00
28 46 21 17-0589	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	604.50	20.00
28 46 21 17-0590	EA	12 Amp Power Supply Charger Module (Siemens PSC-12)	2,282.59	20.00
28 46 21 17-0591	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	3,939.94	399.88
28 46 21 17-0592	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	706.77	20.00
28 46 21 17-0593	EA	12 Amp Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	1,899.06	20.00
28 46 21 17-0594	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	322.58	20.00
28 46 21 17-0595	EA	Conventional Detector Card (Siemens CDC-4)	681.21	20.00
28 46 21 17-0596	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	1,331.85	20.00
28 46 21 17-0597	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,782.23	20.00
28 46 21 17-0598		**Remote Lobby Enclosure** *(28 46 21 17-0569)*		
28 46 21 17-0599	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	891.34	79.98
28 46 21 17-0600	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,147.02	79.98
28 46 21 17-0601	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	142.93	20.00
28 46 21 17-0602	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	155.71	20.00
28 46 21 17-0603		**Battery Enclosures** *(28 46 21 17-0569)*		
28 46 21 17-0604	EA	Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT)	557.60	79.98
28 46 21 17-0605		**Graphic Annunciator Output Drivers And Inputs** *(28 46 21 17-0569)*		
28 46 21 17-0606	EA	Output Control Module (Siemens OCM-16)	437.63	20.00
28 46 21 17-0607	EA	Supervised Input Module (Siemens SIM-16)	437.63	20.00
28 46 21 17-0608		**Remote LCD Displays** *(28 46 21 17-0569)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0609	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,016.87	59.98
28 46 21 17-0610	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,145.38	59.98
28 46 21 17-0611		**Voice Equipment** *(28 46 21 17-0569)*		
28 46 21 17-0612	EA	40W Zone Amplifier Card (Siemens ZAC-40)	1,003.50	20.00
28 46 21 17-0613	EA	180W Zone Amplifier Module (Siemens ZAM-180)	2,219.34	20.00
28 46 21 17-0614	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	936.89	20.00
28 46 21 17-0615		**MXL Series Equipment** *(28 46 21 17-0544)*		
28 46 21 17-0616		**MXL Optional Equipment** *(28 46 21 17-0615)*		
28 46 21 17-0617	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,083.87	39.98
28 46 21 17-0618	EA	CXL/MXL Interface Module (Siemens CMI-300)	2,785.21	20.00
28 46 21 17-0619	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	481.37	20.00
28 46 21 17-0620	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	580.28	20.00
28 46 21 17-0621	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	220.98	20.00
28 46 21 17-0622	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	138.22	20.00
28 46 21 17-0623	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	564.80	20.00
28 46 21 17-0624	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	208.01	29.99
28 46 21 17-0625	EA	Lexan Window For RCC (Siemens GENBOX-WD)	140.32	16.00
28 46 21 17-0626	EA	Input Driver Module (Siemens MID-16)	371.70	20.00
28 46 21 17-0627	EA	Programmable Output Driver Module (Siemens MOD-16)	371.70	20.00
28 46 21 17-0628	EA	MXL Output/Input Module (Siemens MOI-7)	592.39	20.00
28 46 21 17-0629	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	317.19	20.00
28 46 21 17-0630	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	496.85	20.00
28 46 21 17-0631	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	1,224.11	59.98
28 46 21 17-0632	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	1,224.11	59.98
28 46 21 17-0633	EA	Network Interface Module (Siemens NIM-1W)	881.72	20.00
28 46 21 17-0634	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	2,313.07	79.98
28 46 21 17-0635	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	261.35	20.00
28 46 21 17-0636	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	2,592.90	399.88
28 46 21 17-0637	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	317.50	39.98
28 46 21 17-0638	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	2,592.90	399.88
28 46 21 17-0639	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	325.57	39.98
28 46 21 17-0640	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	2,010.88	399.88
28 46 21 17-0641	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	2,972.38	399.88
28 46 21 17-0642	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	50.28	9.99
28 46 21 17-0643	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,578.80	39.98
28 46 21 17-0644	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	7,613.88	39.98
28 46 21 17-0645	EA	Releasing End Of Line Module (Siemens REL-EOL)	113.32	20.00
28 46 21 17-0646	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	2,284.91	39.98
28 46 21 17-0647	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	2,181.96	39.98
28 46 21 17-0648	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,169.90	79.98
28 46 21 17-0649		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 21 17-0615)*		
28 46 21 17-0650	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	8,494.87	399.88
28 46 21 17-0651	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	11,016.71	399.88
28 46 21 17-0652	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	22,794.28	399.88
28 46 21 17-0653		**MXL Basic System** *(28 46 21 17-0615)*		
28 46 21 17-0654	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	5,321.71	399.88
28 46 21 17-0655	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	6,828.22	399.88
28 46 21 17-0656	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,928.30	39.98
28 46 21 17-0657	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,414.10	39.98
28 46 21 17-0658	EA	6 Amp Power Supply For MXL (Siemens MPS-6)	846.64	59.98
28 46 21 17-0659	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	63.74	9.99
28 46 21 17-0660		**MXL/MXLR System Expansion Accessories** *(28 46 21 17-0615)*		
28 46 21 17-0661	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,037.05	59.98
28 46 21 17-0662	EA	Style 4 Communication Module (Siemens NET-4)	214.25	20.00
28 46 21 17-0663	EA	Style 7 Communication Module (Siemens NET-7)	387.17	20.00
28 46 21 17-0664	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	233.76	20.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0665		Peripheral Devices *(28 46 21 17-0544)*		
28 46 21 17-0666		Thermal Detectors *(28 46 21 17-0665)*		
28 46 21 17-0667	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	92.95	29.99
28 46 21 17-0668	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	92.95	29.99
28 46 21 17-0669	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	92.95	29.99
28 46 21 17-0670	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	92.95	29.99
28 46 21 17-0671	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	143.41	29.99
28 46 21 17-0672	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	143.41	29.99
28 46 21 17-0673	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	347.29	29.99
28 46 21 17-0674		Beam Smoke Detector *(28 46 21 17-0665)*		
28 46 21 17-0675	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	1,629.32	29.99
28 46 21 17-0676	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	186.87	9.99
28 46 21 17-0677	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	188.89	9.99
28 46 21 17-0678	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	97.38	9.99
28 46 21 17-0679		Bases For Detectors *(28 46 21 17-0665)*		
28 46 21 17-0680	EA	Detector Base (Siemens DB-11)	30.09	9.99
28 46 21 17-0681	EA	Universal Base (Siemens DB-3S)	28.07	9.99
28 46 21 17-0682		Manual Stations *(28 46 21 17-0665)*		
28 46 21 17-0683	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	208.79	24.00
28 46 21 17-0684		Addressable Devices *(28 46 21 17-0544)*		
28 46 21 17-0685		Intelligent Detectors And Devices For Firefinder XLS And FS-250 *(28 46 21 17-0684)*		
28 46 21 17-0686	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	175.71	29.99
28 46 21 17-0687	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	152.16	29.99
28 46 21 17-0688	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	124.57	29.99
28 46 21 17-0689	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	84.88	29.99
28 46 21 17-0690	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	84.88	29.99
28 46 21 17-0691	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	181.95	20.00
28 46 21 17-0692	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	173.88	20.00
28 46 21 17-0693	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	138.22	20.00
28 46 21 17-0694	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	168.49	20.00
28 46 21 17-0695	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	168.49	20.00
28 46 21 17-0696	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	128.12	20.00
28 46 21 17-0697	EA	Line Isolator Module (Siemens HLIM)	132.16	20.00
28 46 21 17-0698	EA	Remote Convention Zone Module (Siemens HZM)	194.06	20.00
28 46 21 17-0699	EA	Intelligent Control Point Module (Siemens HCP)	245.20	20.00
28 46 21 17-0700	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,069.65	
28 46 21 17-0701	EA	DPU Carrying Case (Siemens DPU-C1)	165.41	
28 46 21 17-0702	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	1,832.45	20.00
28 46 21 17-0703		Air Duct Housings And Detectors *(28 46 21 17-0684)*		
28 46 21 17-0704	EA	Air-Duct Housing (Siemens AD2-P)	198.18	16.00
28 46 21 17-0705	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	223.75	16.00
28 46 21 17-0706	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	180.61	20.00
28 46 21 17-0707	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	25.46	5.99
28 46 21 17-0708	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	31.48	8.00
28 46 21 17-0709	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	39.51	9.99
28 46 21 17-0710	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	46.20	12.00
28 46 21 17-0711		Intelligent Initiating Devices For MXL, MXL-LQ And MXLV *(28 46 21 17-0684)*		
28 46 21 17-0712	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	183.11	29.99
28 46 21 17-0713	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	158.22	29.99
28 46 21 17-0714	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	201.95	29.99
28 46 21 17-0715	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	177.24	20.00
28 46 21 17-0716	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	195.41	20.00
28 46 21 17-0717	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	179.26	20.00
28 46 21 17-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	198.10	20.00
28 46 21 17-0719	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	198.10	20.00
28 46 21 17-0720		Detector Universal Bases *(28 46 21 17-0684)*		
28 46 21 17-0721	EA	Detector Base With Relay (Siemens DB-X11RS)	83.92	9.99
28 46 21 17-0722	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	43.55	9.99
28 46 21 17-0723	EA	Locking Kit (Siemens LK-11)	8.54	
28 46 21 17-0724	EA	Detector Base With Relay (Siemens DB-X3RS)	83.92	9.99
28 46 21 17-0725	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	97.38	9.99
28 46 21 17-0726	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	41.53	9.99
28 46 21 17-0727	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	20.07	5.99
28 46 21 17-0728	EA	Seal For DB-11 (Siemens DB11-SEAL)	10.16	
28 46 21 17-0729	EA	Gasket For DB-11 (Siemens DB-SEAL)	11.05	
28 46 21 17-0730	EA	Detector Guard Housing (Siemens DGH-11)	122.27	9.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0731	EA	Small Detector Base (Siemens DB-11E)	32.78	9.99
28 46 21 17-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A)	109.49	9.99
28 46 21 17-0733	EA	Base Plug (Siemens DB-11-DP)	8.51	
28 46 21 17-0734		**Air Duct Smoke Detectors** *(28 46 21 17-0684)*		
28 46 21 17-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	94.48	20.00
28 46 21 17-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	475.31	20.00
28 46 21 17-0737		**Notification Devices** *(28 46 21 17-0544)*		
28 46 21 17-0738		**Synchronization Control Devices** *(28 46 21 17-0737)*		
28 46 21 17-0739	EA	Dual Synchronization Control Module (Siemens DSC)	138.22	20.00
28 46 21 17-0740		**Stand Alone Strobes** *(28 46 21 17-0737)*		
28 46 21 17-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	117.17	29.99
28 46 21 17-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	127.26	29.99
28 46 21 17-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	117.17	29.99
28 46 21 17-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	127.26	29.99
28 46 21 17-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	127.26	29.99
28 46 21 17-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	117.17	29.99
28 46 21 17-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	134.67	29.99
28 46 21 17-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	129.28	29.99
28 46 21 17-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	129.28	29.99
28 46 21 17-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	138.03	29.99
28 46 21 17-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	138.03	29.99
28 46 21 17-0752		**Horns And Strobes** *(28 46 21 17-0737)*		
28 46 21 17-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	156.87	29.99
28 46 21 17-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	165.62	29.99
28 46 21 17-0755	EA	Wall Mounted Horn (Siemens SE-R)	92.95	29.99
28 46 21 17-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	156.87	29.99
28 46 21 17-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	165.62	29.99
28 46 21 17-0758	EA	Ceiling Mounted Horn (Siemens SEC-R)	96.99	29.99
28 46 21 17-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	156.87	29.99
28 46 21 17-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	165.62	29.99
28 46 21 17-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	92.95	29.99
28 46 21 17-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	156.87	29.99
28 46 21 17-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	165.62	29.99
28 46 21 17-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	96.99	29.99
28 46 21 17-0765	EA	Mini Horn (Siemens MH-R)	78.15	29.99
28 46 21 17-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	98.33	29.99
28 46 21 17-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	148.12	29.99
28 46 21 17-0768	EA	Industrial Tri-Tone Horn (Siemens ASR)	413.23	29.99
28 46 21 17-0769	EA	Wall Mounted Horn (Siemens HS-R)	98.33	29.99
28 46 21 17-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	148.80	29.99
28 46 21 17-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	159.56	29.99
28 46 21 17-0772	EA	6" Motor Bell (Siemens MBDC-6)	111.79	29.99
28 46 21 17-0773	EA	10" Motor Bell (Siemens MBDC-10)	121.88	29.99
28 46 21 17-0774		**Mounting Accessories** *(28 46 21 17-0737)*		
28 46 21 17-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	28.07	9.99
28 46 21 17-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	28.07	9.99
28 46 21 17-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	28.75	9.99
28 46 21 17-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	44.90	9.99
28 46 21 17-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	36.15	9.99
28 46 21 17-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	38.17	9.99
28 46 21 17-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R)	40.86	9.99
28 46 21 17-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	32.78	9.99
28 46 21 17-0783	EA	Semi-Flush Plate (Siemens SFPS-R)	27.40	9.99
28 46 21 17-0784	EA	Square Surface Backbox (Siemens SHBBS-R)	32.78	9.99
28 46 21 17-0785	EA	Horn Adapter Plate (Siemens SHMPS-R)	31.44	9.99
28 46 21 17-0786	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	28.07	9.99
28 46 21 17-0787	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	36.15	9.99
28 46 21 17-0788	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	38.17	9.99
28 46 21 17-0789	EA	Weatherproof Speaker Backbox (Siemens WBBS-R)	36.82	9.99
28 46 21 17-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	40.86	9.99
28 46 21 17-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	40.86	9.99
28 46 21 17-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	40.86	9.99
28 46 21 17-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	38.17	9.99
28 46 21 17-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R)	38.17	9.99
28 46 21 17-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	28.07	9.99
28 46 21 17-0796	EA	Z Series Backbox (Siemens ZBB-R)	31.44	9.99
28 46 21 17-0797		**Door Holders** *(28 46 21 17-0737)*		
28 46 21 17-0798	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	233.58	29.99
28 46 21 17-0799	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	233.58	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0800		Voice Equipment *(28 46 21 17-0544)*		
28 46 21 17-0801		Voicecom *(28 46 21 17-0800)*		
28 46 21 17-0802	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,568.53	399.88
28 46 21 17-0803	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	5,620.72	399.88
28 46 21 17-0804		Honeywell Fire Alarm *(28 46 21 17)*		
28 46 21 17-0805		Notifier Fire Alarm *(28 46 21 17-0804)*		
28 46 21 17-0806		Fire Alarm Control Panel And Accessories *(28 46 21 17-0805)*		
28 46 21 17-0807	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,927.52	399.88
28 46 21 17-0808	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,252.67	399.88
28 46 21 17-0809	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,919.58	399.88
28 46 21 17-0810	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	4,151.67	399.88
28 46 21 17-0811	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	4,041.19	399.88
28 46 21 17-0812	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	4,041.19	399.88
28 46 21 17-0813	EA	Two-Tone Sequential Module (Notifier 2TTM)	216.38	20.00
28 46 21 17-0814	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	65.56	4.00
28 46 21 17-0815	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	127.41	8.00
28 46 21 17-0816	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	193.90	12.00
28 46 21 17-0817	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	311.94	
28 46 21 17-0818	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	44.56	
28 46 21 17-0819	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	3,951.14	399.88
28 46 21 17-0820	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	3,951.14	399.88
28 46 21 17-0821	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	166.76	4.00
28 46 21 17-0822	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	49.78	4.00
28 46 21 17-0823	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	62.42	8.00
28 46 21 17-0824	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	70.13	9.99
28 46 21 17-0825	EA	IP Communicator (Notifier IPDACT-2)	556.17	20.00
28 46 21 17-0826	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	649.01	20.00
28 46 21 17-0827	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	143.03	20.00
28 46 21 17-0828	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	143.03	20.00
28 46 21 17-0829	EA	Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G)	774.85	29.99
28 46 21 17-0830	EA	Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	36.42	8.00
28 46 21 17-0831	EA	Loop Control Module (Notifier LCM-320)	1,411.16	39.98
28 46 21 17-0832	EA	Loop Expander Module (Notifier LEM-320)	1,222.38	39.98
28 46 21 17-0833	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,071.53	39.98
28 46 21 17-0834	EA	7' DACT Phone Cord (Notifier MCBL-7)	17.28	
28 46 21 17-0835	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	136.98	9.99
28 46 21 17-0836	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	156.96	20.00
28 46 21 17-0837	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	156.96	20.00
28 46 21 17-0838	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	620.23	20.00
28 46 21 17-0839	EA	Universal Zone Coder (Notifier UZC-256)	838.40	20.00
28 46 21 17-0840	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	254.95	
28 46 21 17-0841	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	546.16	
28 46 21 17-0842	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	353.06	
28 46 21 17-0843	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	3,946.49	12.00
28 46 21 17-0844		ONYX Cabinets *(28 46 21 17-0805)*		
28 46 21 17-0845	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	360.72	9.99
28 46 21 17-0846	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	483.27	9.99
28 46 21 17-0847	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	596.54	9.99
28 46 21 17-0848	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	86.20	12.00
28 46 21 17-0849	EA	Chassis Bridge (Notifier CB-1)	75.70	9.99
28 46 21 17-0850	EA	Four Position Chassis (Notifier CHS-4)	130.48	9.99
28 46 21 17-0851	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	144.07	20.00
28 46 21 17-0852	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	67.17	12.00
28 46 21 17-0853	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	94.56	12.00
28 46 21 17-0854	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	265.81	20.00
28 46 21 17-0855	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	169.66	20.00
28 46 21 17-0856	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	336.98	29.99
28 46 21 17-0857	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	209.06	29.99
28 46 21 17-0858	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	502.53	39.98
28 46 21 17-0859	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	307.58	39.98
28 46 21 17-0860	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	609.86	49.99
28 46 21 17-0861	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	357.56	49.99
28 46 21 17-0862	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	201.04	9.99
28 46 21 17-0863	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	133.26	9.99
28 46 21 17-0864	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	124.91	9.99
28 46 21 17-0865	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	201.97	9.99
28 46 21 17-0866	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	156.47	9.99
28 46 21 17-0867	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	257.67	9.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0868	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	176.90	9.99
28 46 21 17-0869	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	311.52	9.99
28 46 21 17-0870	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	259.53	9.99
28 46 21 17-0871	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	464.70	9.99
28 46 21 17-0872	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	291.09	9.99
28 46 21 17-0873	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	556.62	9.99
28 46 21 17-0874	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4)	273.01	20.00
28 46 21 17-0875	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	401.13	20.00
28 46 21 17-0876	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	474.47	20.00
28 46 21 17-0877	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	293.43	20.00
28 46 21 17-0878	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	429.91	20.00
28 46 21 17-0879	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	501.39	20.00
28 46 21 17-0880	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	273.01	20.00
28 46 21 17-0881	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R)	401.13	20.00
28 46 21 17-0882	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R)	474.47	20.00
28 46 21 17-0883	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	293.43	20.00
28 46 21 17-0884	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	429.91	20.00
28 46 21 17-0885	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	501.39	20.00
28 46 21 17-0886	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	2,525.92	99.97
28 46 21 17-0887	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB)	248.87	20.00
		Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 21 17-0888	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4)	269.93	59.98
28 46 21 17-0889	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4)	381.37	79.98
28 46 21 17-0890	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4)	500.46	79.98
28 46 21 17-0891	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4)	609.25	99.97
28 46 21 17-0892	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	156.96	20.00
28 46 21 17-0893	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R)	156.96	20.00
28 46 21 17-0894	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R)	197.81	20.00
28 46 21 17-0895	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	273.01	20.00
28 46 21 17-0896	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	398.34	20.00
28 46 21 17-0897	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R)	470.76	20.00
28 46 21 17-0898	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	146.55	12.00
28 46 21 17-0899	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	146.55	12.00
28 46 21 17-0900	EA	Black, “AA” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	192.97	12.00
28 46 21 17-0901	EA	Black, “A” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	156.76	12.00
28 46 21 17-0902	EA	Black, “B” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	156.76	12.00
28 46 21 17-0903	EA	Black, “C” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	154.90	12.00
28 46 21 17-0904	EA	Black, “D” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	158.62	12.00
28 46 21 17-0905	EA	2” Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B)	61.60	12.00
28 46 21 17-0906	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2)	40.96	4.00

28 46 21 17-0907 NFS2-3030/640 Cabinet Mechanicals *(28 46 21 17-0805)*

28 46 21 17-0908	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	88.40	12.00
28 46 21 17-0909	EA	Blank Module Dress Plate (Notifier BM-1B)	73.40	12.00
28 46 21 17-0910	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	83.10	12.00
28 46 21 17-0911	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	195.47	9.99
28 46 21 17-0912	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	187.01	29.99
28 46 21 17-0913	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	91.93	12.00

28 46 21 17-0914 NFS-3030/640 Cabinet Mechanicals *(28 46 21 17-0805)*

28 46 21 17-0915	EA	Annunciator Dress Plate (Notifier ADP-4B)	83.99	12.00
28 46 21 17-0916	EA	Blank Module Dress Plate (Notifier BMP-1)	53.11	12.00
28 46 21 17-0917	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	118.93	20.00
28 46 21 17-0918	EA	Module Dress Plate (Notifier MP-1B)	84.87	12.00

28 46 21 17-0919 Battery Cabinets *(28 46 21 17-0805)*

28 46 21 17-0920	EA	Six Position Chassis (Notifier CHS-6)	77.30	20.00
28 46 21 17-0921	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	379.32	59.98

28 46 21 17-0922 Digital Voice *(28 46 21 17-0805)*

28 46 21 17-0923	EA	Chassis Used With BB-XP (Notifier 18439)	39.03	9.99
28 46 21 17-0924	EA	220 Volt AC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	1,706.96	29.99
28 46 21 17-0925	EA	220 Volt AC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	1,658.68	29.99
28 46 21 17-0926	EA	220 Volt AC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E)	792.49	29.99
28 46 21 17-0927	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	383.73	29.99
28 46 21 17-0928	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	520.18	39.98
28 46 21 17-0929	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	647.79	49.99
28 46 21 17-0930	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	699.14	20.00
28 46 21 17-0931	EA	Single Mode Audio Fiber Link Receiver (Notifier AFL-RS)	1,554.20	20.00
28 46 21 17-0932	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	699.14	20.00
28 46 21 17-0933	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	1,554.20	20.00
28 46 21 17-0934	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	84.52	9.99
28 46 21 17-0935	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	137.91	9.99
28 46 21 17-0936	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	140.23	9.99
28 46 21 17-0937	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	138.37	9.99
28 46 21 17-0938	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	140.23	9.99
28 46 21 17-0939	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	267.88	9.99
28 46 21 17-0940	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	217.28	9.99
28 46 21 17-0941	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	59.06	
28 46 21 17-0942	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	467.04	20.00
28 46 21 17-0943	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	467.04	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0944	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	79.42	9.99
28 46 21 17-0945	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	103.50	20.00
28 46 21 17-0946	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	319.34	29.99
28 46 21 17-0947	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	162.53	20.00
28 46 21 17-0948	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	162.53	20.00
28 46 21 17-0949	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	190.83	9.99
28 46 21 17-0950	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	219.61	9.99
28 46 21 17-0951	EA	120 Volt AC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	1,308.53	20.00
28 46 21 17-0952	EA	Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,105.77	20.00
28 46 21 17-0953	EA	Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,105.77	20.00
28 46 21 17-0954	EA	120 Volt AC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	1,350.87	20.00
28 46 21 17-0955	EA	Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	1,202.66	20.00
28 46 21 17-0956	EA	120 Volt AC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	1,402.92	20.00
28 46 21 17-0957	EA	Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,444.89	20.00
28 46 21 17-0958	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,444.89	20.00
28 46 21 17-0959	EA	220-240 Volt AC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,375.02	20.00
28 46 21 17-0960	EA	220-240 Volt AC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,419.58	20.00
28 46 21 17-0961	EA	220-240 Volt AC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	1,474.36	20.00
28 46 21 17-0962	EA	120 Volt AC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	939.60	20.00
28 46 21 17-0963	EA	220-240 Volt AC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	939.60	20.00
28 46 21 17-0964	EA	120 Volt AC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	999.95	20.00
28 46 21 17-0965	EA	220-240 Volt AC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	999.95	20.00
28 46 21 17-0966	EA	120 Volt AC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,038.94	20.00
28 46 21 17-0967	EA	220-240 Volt AC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,038.94	20.00
28 46 21 17-0968	EA	120 Volt AC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,099.28	20.00
28 46 21 17-0969	EA	220-240 Volt AC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,099.28	20.00
28 46 21 17-0970	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	92.42	9.99
28 46 21 17-0971	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	79.58	12.00
28 46 21 17-0972	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	91.93	12.00
28 46 21 17-0973	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	158.09	12.00
28 46 21 17-0974	EA	WPS Power Amplifier (Notifier DPA3204P)	550.60	20.00
28 46 21 17-0975	EA	WPS Power Amplifier (Notifier DPA4001P)	462.40	20.00
28 46 21 17-0976	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	977.66	20.00
28 46 21 17-0977	EA	120 Volt AC,125 Watts, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	736.28	20.00
28 46 21 17-0978	EA	220-240 Volt AC, 125 Watts, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	736.28	20.00
28 46 21 17-0979	EA	Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,246.90	20.00
28 46 21 17-0980	EA	125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA)	504.18	20.00
28 46 21 17-0981	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	253.51	20.00
28 46 21 17-0982	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	253.51	20.00
28 46 21 17-0983	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	253.51	20.00
28 46 21 17-0984	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V)	104.97	20.00
28 46 21 17-0985	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	229.64	20.00
28 46 21 17-0986	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,319.11	20.00
28 46 21 17-0987	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	384.33	39.98
28 46 21 17-0988	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	195.54	
28 46 21 17-0989	EA	Fire Fighters Telephone Control With Master Handset (Notifier FFT-7)	1,397.51	39.98
28 46 21 17-0990	EA	Portable Fireman's Telephone Handset (Notifier FHS)	124.51	
28 46 21 17-0991	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	124.51	
28 46 21 17-0992	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	343.57	20.00
28 46 21 17-0993	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	343.57	20.00
28 46 21 17-0994	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	55.63	5.99
28 46 21 17-0995	EA	Paging Microphone Only (Notifier MIC-1)	155.54	20.00
28 46 21 17-0996	EA	Firefighter's Telephone Handset (Notifier TELH-1)	137.05	
28 46 21 17-0997	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	383.14	20.00
28 46 21 17-0998	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	383.14	20.00
28 46 21 17-0999		**Amplifiers** *(28 46 21 17-0805)*		
28 46 21 17-1000	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	736.00	20.00
28 46 21 17-1001	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	1,604.93	20.00
28 46 21 17-1002	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	1,559.06	20.00
28 46 21 17-1003	EA	Audio Coupling Transformer (Notifier ACT-1)	113.20	20.00
28 46 21 17-1004	EA	Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2)	132.61	20.00
28 46 21 17-1005	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	132.61	20.00
28 46 21 17-1006	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	132.61	20.00
28 46 21 17-1007	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	132.61	20.00
28 46 21 17-1008		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 21 17-0805)*		
28 46 21 17-1009	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	3,033.07	399.88
28 46 21 17-1010	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,156.22	399.88
28 46 21 17-1011	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	2,786.00	399.88
28 46 21 17-1012	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,609.57	399.88
28 46 21 17-1013	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,987.44	399.88
28 46 21 17-1014		**System Printer** *(28 46 21 17-0805)*		
28 46 21 17-1015	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	1,594.35	20.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1016		**Batteries** *(28 46 21 17-0805)*		
28 46 21 17-1017	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	463.33	20.00
28 46 21 17-1018	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	341.68	20.00
28 46 21 17-1019	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	449.30	20.00
28 46 21 17-1020	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	262.28	20.00
28 46 21 17-1021	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	366.38	20.00
28 46 21 17-1022	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	365.50	20.00
28 46 21 17-1023	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	581.45	20.00
28 46 21 17-1024		**Battery Backboxes And Miscellaneous Mechanicals** *(28 46 21 17-0805)*		
28 46 21 17-1025	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17)	114.62	16.00
28 46 21 17-1026	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	179.61	16.00
28 46 21 17-1027	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26)	299.33	79.98
28 46 21 17-1028	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH)	145.90	39.98
28 46 21 17-1029	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1)	69.21	9.99
28 46 21 17-1030	EA	Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25)	198.17	16.00
28 46 21 17-1031	EA	Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	152.68	16.00
28 46 21 17-1032	EA	Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	169.39	16.00
28 46 21 17-1033	EA	Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	184.25	16.00
28 46 21 17-1034		**Power Supplies And Chargers** *(28 46 21 17-0805)*		
28 46 21 17-1035	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,174.06	29.99
28 46 21 17-1036	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,174.06	29.99
28 46 21 17-1037	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,124.15	20.00
28 46 21 17-1038	EA	6A Auxiliary Power Supply (Notifier APS-6R)	595.16	20.00
28 46 21 17-1039	EA	10 Ampere Battery Charger (Notifier BC10A)	737.71	29.99
28 46 21 17-1040	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	432.34	24.00
28 46 21 17-1041	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	432.34	24.00
28 46 21 17-1042	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	624.52	24.00
28 46 21 17-1043	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	624.52	24.00
28 46 21 17-1044	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	112.40	20.00
28 46 21 17-1045	EA	25 To 120 Ampere Hour Battery Charger (Notifier CHG-120)	866.56	20.00
28 46 21 17-1046	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	64.56	9.99
28 46 21 17-1047	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	103.56	9.99
28 46 21 17-1048	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	574.57	20.00
28 46 21 17-1049	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	682.57	59.98
28 46 21 17-1050	EA	Red, 8.0 Amps, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	682.57	59.98
28 46 21 17-1051	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	781.91	59.98
28 46 21 17-1052	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	781.91	59.98
28 46 21 17-1053	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	756.28	29.99
28 46 21 17-1054	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	756.28	29.99
28 46 21 17-1055	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	918.75	29.99
28 46 21 17-1056	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	918.75	29.99
28 46 21 17-1057	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	954.03	59.98
28 46 21 17-1058	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	954.03	59.98
28 46 21 17-1059	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	650.08	59.98
28 46 21 17-1060	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	650.08	59.98
28 46 21 17-1061	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	703.00	59.98
28 46 21 17-1062	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	703.00	59.98
28 46 21 17-1063	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	560.95	59.98
28 46 21 17-1064	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	664.93	59.98
28 46 21 17-1065	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	136.05	9.99
28 46 21 17-1066	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	863.55	20.00
28 46 21 17-1067	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	155.10	20.00
28 46 21 17-1068		**Network Control Annunciators** *(28 46 21 17-0805)*		
28 46 21 17-1069	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,575.52	59.98
28 46 21 17-1070	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	60.17	12.00
28 46 21 17-1071	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	43.41	12.00
28 46 21 17-1072		**FIRSTVISION Firefighter's Display** *(28 46 21 17-0805)*		
28 46 21 17-1073	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	12,185.42	399.88
28 46 21 17-1074		**FlashScan Addressable Modules** *(28 46 21 17-0805)*		
28 46 21 17-1075	EA	Intelligent Addressable Control Module (Notifier FCM-1)	136.14	20.00
28 46 21 17-1076	EA	Addressable Dual Monitor Module (Notifier FDM-1)	152.01	20.00
28 46 21 17-1077	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	113.20	20.00
28 46 21 17-1078	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	100.85	20.00
28 46 21 17-1079	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	207.59	20.00
28 46 21 17-1080	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	130.84	20.00
28 46 21 17-1081	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	171.42	20.00
28 46 21 17-1082	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	111.44	20.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1083		**Addressable Device Bases And Accessories** *(28 46 21 17-0805)*		
28 46 21 17-1084	EA	Intelligent Detector Base With Flange (Notifier B710LP)	38.41	9.99
28 46 21 17-1085	EA	Weatherproof Device Housing (Notifier DH400OE-1)	349.62	20.00
28 46 21 17-1086		**XP6/XP10 Transponder** *(28 46 21 17-0805)*		
28 46 21 17-1087	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	100.41	20.00
28 46 21 17-1088	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	502.23	20.00
28 46 21 17-1089	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	608.09	20.00
28 46 21 17-1090	EA	Six Relay Control Module (Notifier XP6-R)	482.82	20.00
28 46 21 17-1091	EA	Ten Input Monitor Module (Notifier XP10-M)	581.63	20.00
28 46 21 17-1092		**LCD Display Annunciators** *(28 46 21 17-0805)*		
28 46 21 17-1093	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	644.85	59.98
28 46 21 17-1094	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	905.08	59.98
28 46 21 17-1095	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	936.84	59.98
28 46 21 17-1096	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	647.15	20.00
28 46 21 17-1097	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	341.71	20.00
28 46 21 17-1098	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	842.12	20.00
28 46 21 17-1099		**ONYX ACM And AEM Series LED Annunciators** *(28 46 21 17-0805)*		
28 46 21 17-1100	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	377.92	20.00
28 46 21 17-1101	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	665.43	20.00
28 46 21 17-1102	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	509.29	20.00
28 46 21 17-1103	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	665.43	20.00
28 46 21 17-1104	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	509.29	20.00
28 46 21 17-1105	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	509.29	20.00
28 46 21 17-1106	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	456.36	20.00
28 46 21 17-1107	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	509.29	20.00
28 46 21 17-1108	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	456.36	20.00
28 46 21 17-1109		**Graphic Annunciator - Lamp Driver Modules** *(28 46 21 17-0805)*		
28 46 21 17-1110	EA	Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	208.78	39.98
28 46 21 17-1111	EA	Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	227.30	39.98
28 46 21 17-1112	EA	Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	261.41	49.99
28 46 21 17-1113	EA	Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	285.22	49.99
28 46 21 17-1114	EA	Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	459.29	69.98
28 46 21 17-1115	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	81.78	12.00
28 46 21 17-1116	EA	Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	133.35	39.98
28 46 21 17-1117	EA	Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	121.20	9.99
28 46 21 17-1118	EA	Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	167.31	39.98
28 46 21 17-1119	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	297.57	49.99
28 46 21 17-1120	EA	Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	227.96	9.99
28 46 21 17-1121	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	483.11	69.98
28 46 21 17-1122	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	385.15	12.00
28 46 21 17-1123	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	146.18	16.00
28 46 21 17-1124	EA	Annunciator Key Switch (Notifier AKS-1B)	72.35	5.99
28 46 21 17-1125	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	77.47	20.00
28 46 21 17-1126	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	456.36	20.00
28 46 21 17-1127	EA	24'' Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	140.76	4.00
28 46 21 17-1128	EA	48'' Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	176.04	4.00
28 46 21 17-1129	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	376.08	20.00
28 46 21 17-1130	EA	Lamp Driver Module (Notifier LDM-R32)	688.93	20.00
28 46 21 17-1131	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	638.80	20.00
28 46 21 17-1132	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	178.83	4.00
28 46 21 17-1133	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	144.69	12.00
28 46 21 17-1134	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	88.06	12.00
28 46 21 17-1135	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	88.06	12.00
28 46 21 17-1136		**Network Gateways** *(28 46 21 17-0805)*		
28 46 21 17-1137	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	2,593.08	20.00
28 46 21 17-1138	EA	PC Version, Receivers Gateway (Notifier DACR-GW)	2,026.76	20.00
28 46 21 17-1139	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,933.92	20.00
28 46 21 17-1140	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,166.02	20.00
28 46 21 17-1141	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,407.40	20.00
28 46 21 17-1142	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,841.08	20.00
28 46 21 17-1143	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,887.50	20.00
28 46 21 17-1144	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,124.24	20.00
28 46 21 17-1145	EA	Modbus Gateway (Notifier MODBUS-GW)	2,026.76	20.00
28 46 21 17-1146	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,466.62	13.20
28 46 21 17-1147	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,681.90	13.20
28 46 21 17-1148	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	11,704.20	13.20
28 46 21 17-1149	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	468.48	29.99
28 46 21 17-1150	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	863.05	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1151	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,262.26	29.99
28 46 21 17-1152	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	974.82	
28 46 21 17-1153	EA	Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	974.82	
28 46 21 17-1154	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	1,927.80	20.00
28 46 21 17-1155	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,927.80	20.00
28 46 21 17-1156	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,955.16	20.00
28 46 21 17-1157	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,447.21	20.00
28 46 21 17-1158	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,955.16	20.00
28 46 21 17-1159	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,927.80	20.00
28 46 21 17-1160	EA	E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	974.82	
28 46 21 17-1161	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	974.82	
28 46 21 17-1162	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	18,166.40	479.85
28 46 21 17-1163	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,873.55	
28 46 21 17-1164	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,873.55	
28 46 21 17-1165	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	895.96	20.00
28 46 21 17-1166	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	726.07	20.00
28 46 21 17-1167	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	871.83	20.00
28 46 21 17-1168	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	963.74	20.00
28 46 21 17-1169	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	2,026.76	20.00
28 46 21 17-1170	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,673.96	20.00
28 46 21 17-1171	EA	Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,856.80	

28 46 21 17-1172 NOTI-FIRE-NET Network Components *(28 46 21 17-0805)*

28 46 21 17-1173	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,927.80	20.00
28 46 21 17-1174	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	857.74	20.00
28 46 21 17-1175	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	1,927.80	20.00
28 46 21 17-1176	EA	Wired Network Communications Module (Notifier NCM-W)	817.16	20.00
28 46 21 17-1177	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	80.07	9.99

28 46 21 17-1178 FireWarden Addressable Fire Panels *(28 46 21 17-0805)*

28 46 21 17-1179	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,642.21	399.88
28 46 21 17-1180	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,955.38	399.88
28 46 21 17-1181	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	2,015.95	199.93
28 46 21 17-1182	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	2,015.95	199.93
28 46 21 17-1183	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	2,015.95	199.93

28 46 21 17-1184 FireWarden Accessories *(28 46 21 17-0805)*

28 46 21 17-1185	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	151.89	29.99
28 46 21 17-1186	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	150.96	29.99

28 46 21 17-1187 FireWarden Devices *(28 46 21 17-0805)*

28 46 21 17-1188	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	110.55	20.00
28 46 21 17-1189	EA	Intelligent Addressable Control Module (Notifier NC-100)	131.72	20.00
28 46 21 17-1190	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	126.43	20.00
28 46 21 17-1191	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	281.86	29.99
28 46 21 17-1192	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	339.99	29.99
28 46 21 17-1193	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	126.43	20.00
28 46 21 17-1194	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	128.79	29.99
28 46 21 17-1195	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	128.79	29.99
28 46 21 17-1196	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	128.79	29.99
28 46 21 17-1197	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	174.66	29.99
28 46 21 17-1198	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	108.79	20.00
28 46 21 17-1199	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	98.64	20.00
28 46 21 17-1200	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	148.04	20.00
28 46 21 17-1201	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	134.96	29.99
28 46 21 17-1202	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	166.13	20.00
28 46 21 17-1203	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	593.98	20.00

28 46 21 17-1204 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories *(28 46 21 17-0805)*

28 46 21 17-1205	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,080.88	319.90
28 46 21 17-1206	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,194.68	319.90
28 46 21 17-1207	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E)	864.08	99.97
28 46 21 17-1208	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E)	983.84	99.97
28 46 21 17-1209	EA	Class A Converter Module (Notifier CAC-4)	308.29	20.00
28 46 21 17-1210	EA	Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B)	101.99	12.00
28 46 21 17-1211	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	103.84	12.00
28 46 21 17-1212	EA	Remote Zone Annunciator (Notifier RZA-4X)	147.25	29.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1213		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 21 17-0805)*		
28 46 21 17-1214	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	1,677.50	399.88
28 46 21 17-1215	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	2,610.79	299.91
28 46 21 17-1216	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	1,723.51	199.93
28 46 21 17-1217	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	1,723.51	199.93
28 46 21 17-1218	EA	Class A Converter Module (Notifier N-CAC-5X)	308.29	20.00
28 46 21 17-1219	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	121.48	12.00
28 46 21 17-1220		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 21 17-0805)*		
28 46 21 17-1221	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	3,191.71	399.88
28 46 21 17-1222	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	2,387.04	299.91
28 46 21 17-1223	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	1,924.50	399.88
28 46 21 17-1224	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	2,786.92	399.88
28 46 21 17-1225	EA	Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	497.52	59.98
28 46 21 17-1226		**Smoke Detectors** *(28 46 21 17-0805)*		
28 46 21 17-1227	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	187.01	29.99
28 46 21 17-1228	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	315.81	29.99
28 46 21 17-1229	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	835.10	29.99
28 46 21 17-1230	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851)	150.84	29.99
28 46 21 17-1231	EA	Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R)	158.39	29.99
28 46 21 17-1232	EA	Intelligent Addressable Thermal Detector (Notifier FST-851)	124.38	29.99
28 46 21 17-1233	EA	Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	124.38	29.99
28 46 21 17-1234	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R)	124.38	29.99
28 46 21 17-1235	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	141.68	29.99
28 46 21 17-1236	EA	Filters For Harsh Detector (Notifier RF-FTX)	16.97	
28 46 21 17-1237	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	112.98	20.00
28 46 21 17-1238		**Pull Stations** *(28 46 21 17-0805)*		
28 46 21 17-1239	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	24.71	4.00
28 46 21 17-1240	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2)	53.42	9.99
28 46 21 17-1241	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	53.42	9.99
28 46 21 17-1242	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	72.01	20.00
28 46 21 17-1243	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	78.97	20.00
28 46 21 17-1244	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	106.36	20.00
28 46 21 17-1245	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	72.01	20.00
28 46 21 17-1246	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	82.22	20.00
28 46 21 17-1247	EA	Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	82.22	20.00
28 46 21 17-1248	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	82.22	20.00
28 46 21 17-1249	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	78.04	20.00
28 46 21 17-1250	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	84.08	20.00
28 46 21 17-1251	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	628.23	24.00
28 46 21 17-1252	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	76.37	20.00
28 46 21 17-1253	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	175.89	24.00
28 46 21 17-1254	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	106.82	20.00
28 46 21 17-1255	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	93.36	20.00
28 46 21 17-1256	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	148.93	20.00
28 46 21 17-1257	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	38.64	4.00
28 46 21 17-1258		**Rate Compensation Heat Detectors** *(28 46 21 17-0805)*		
28 46 21 17-1259	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	137.61	29.99
28 46 21 17-1260	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	137.61	29.99
28 46 21 17-1261		**FM Series Door Releases** *(28 46 21 17-0805)*		
28 46 21 17-1262	EA	1/2" Door Holder Spacer (Notifier FM900-50)	22.59	5.99
28 46 21 17-1263	EA	3/4" Door Holder Spacer (Notifier FM900-75)	22.59	5.99
28 46 21 17-1264	EA	1" Door Holder Spacer (Notifier FM900-100)	22.59	5.99
28 46 21 17-1265	EA	Door Holder Extension Kit (Notifier FM900)	23.91	5.99
28 46 21 17-1266	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	24.35	5.99
28 46 21 17-1267	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	166.72	29.99
28 46 21 17-1268	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	144.67	29.99
28 46 21 17-1269	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	144.67	29.99
28 46 21 17-1270		**Multicriteria Fire Detector** *(28 46 21 17-0805)*		
28 46 21 17-1271	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	264.23	29.99
28 46 21 17-1272	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	243.80	29.99
28 46 21 17-1273	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T)	156.53	29.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1274		**Modules** *(28 46 21 17-0805)*		
28 46 21 17-1275	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	302.72	20.00
28 46 21 17-1276	EA	Addressable Firephone Control Module (Notifier FTM-1)	177.38	20.00
28 46 21 17-1277		**DH Series Door Releases** *(28 46 21 17-0805)*		
28 46 21 17-1278	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	147.25	29.99
28 46 21 17-1279	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	156.90	29.99
28 46 21 17-1280	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	166.75	29.99
28 46 21 17-1281	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	163.96	29.99
28 46 21 17-1282	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	172.32	29.99
28 46 21 17-1283	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	178.82	29.99
28 46 21 17-1284	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	147.25	29.99
28 46 21 17-1285	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	156.53	29.99
28 46 21 17-1286	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	166.75	29.99
28 46 21 17-1287	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	189.03	29.99
28 46 21 17-1288	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	202.03	29.99
28 46 21 17-1289	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	216.88	29.99
28 46 21 17-1290	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	220.59	29.99
28 46 21 17-1291	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	235.45	29.99
28 46 21 17-1292	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	254.02	29.99
28 46 21 17-1293	EA	.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	16.91	4.00
28 46 21 17-1294	EA	.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	16.91	4.00
28 46 21 17-1295	EA	.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	18.40	4.00
28 46 21 17-1296	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	16.91	4.00
28 46 21 17-1297	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	16.91	4.00
28 46 21 17-1298	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	18.40	4.00
28 46 21 17-1299	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	18.03	4.00
28 46 21 17-1300	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	18.03	4.00
28 46 21 17-1301	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	18.40	4.00
28 46 21 17-1302	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	19.51	4.00
28 46 21 17-1303	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	19.51	4.00
28 46 21 17-1304	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	19.51	4.00
28 46 21 17-1305	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	20.07	4.00
28 46 21 17-1306	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	20.44	4.00
28 46 21 17-1307	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	20.44	4.00
28 46 21 17-1308	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	21.55	4.00
28 46 21 17-1309	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	21.55	4.00
28 46 21 17-1310	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	21.93	4.00
28 46 21 17-1311	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	21.93	4.00
28 46 21 17-1312	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	22.85	4.00
28 46 21 17-1313	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	25.64	4.00
28 46 21 17-1314	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	22.85	4.00
28 46 21 17-1315	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	23.97	4.00
28 46 21 17-1316	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	25.64	4.00
28 46 21 17-1317	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	23.70	5.99
28 46 21 17-1318	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	24.44	5.99
28 46 21 17-1319	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	26.85	5.99
28 46 21 17-1320	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	44.12	5.99
28 46 21 17-1321	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	47.09	5.99
28 46 21 17-1322	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	50.06	5.99
28 46 21 17-1323	EA	Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	40.05	9.99
28 46 21 17-1324	EA	Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	42.28	9.99
28 46 21 17-1325	EA	Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	45.44	9.99
28 46 21 17-1326	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	250.67	
28 46 21 17-1327	EA	Two Piece Extension Wrench (Notifier DHW)	2.79	
28 46 21 17-1328		**First Command** *(28 46 21 17-0805)*		
28 46 21 17-1329	EA	Black, 120 Volt AC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	4,609.11	499.84
28 46 21 17-1330	EA	Black, 220-240 Volt AC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	4,609.11	499.84
28 46 21 17-1331	EA	Black, 120 Volt AC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,316.74	39.98
28 46 21 17-1332	EA	Black, 220-240 Volt AC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,316.74	39.98
28 46 21 17-1333	EA	Black, 120 Volt AC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	2,423.39	39.98
28 46 21 17-1334	EA	Black, , 220-240 Volt AC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	2,423.39	39.98
28 46 21 17-1335	EA	50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	527.39	20.00
28 46 21 17-1336	EA	50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	527.39	20.00
28 46 21 17-1337	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	356.56	20.00
28 46 21 17-1338	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	504.18	20.00
28 46 21 17-1339	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	1,789.29	39.98
28 46 21 17-1340	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	1,729.87	39.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1341	EA	Black, Remote Microphone (Notifier NFC-RM)	503.77	
28 46 21 17-1342	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	1,459.71	39.98
28 46 21 17-1343	EA	Remote Telephone Zone Module (Notifier NFC-RTZM)	667.58	20.00
28 46 21 17-1344	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	269.29	20.00
28 46 21 17-1345	EA	Firefighters Phone Jack (Notifier N-FPJ)	125.26	5.99
28 46 21 17-1346	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	34.28	5.99
28 46 21 17-1347	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	106.63	12.00
28 46 21 17-1348		**LED Displays** *(28 46 21 17-0805)*		
28 46 21 17-1349	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,208.48	24.00
28 46 21 17-1350	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,050.76	31.99
28 46 21 17-1351	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,106.46	31.99
28 46 21 17-1352	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	1,410.16	31.99
28 46 21 17-1353	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	2,152.88	31.99
28 46 21 17-1354	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,106.46	31.99
28 46 21 17-1355		**Control Relays** *(28 46 21 17-0805)*		
28 46 21 17-1356	EA	Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR)	51.57	9.99
28 46 21 17-1357	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	40.42	9.99
28 46 21 17-1358	EA	Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR)	136.53	20.00
28 46 21 17-1359	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	84.99	9.99
28 46 21 17-1360	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	101.70	9.99
28 46 21 17-1361	EA	24 Volt DC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	121.68	20.00
28 46 21 17-1362	EA	120 Volt AC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	121.68	20.00
28 46 21 17-1363	EA	Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR)	75.26	20.00
28 46 21 17-1364	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	43.67	9.99
28 46 21 17-1365	EA	Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR)	156.03	20.00
28 46 21 17-1366	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	54.83	20.00
28 46 21 17-1367	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	54.83	20.00
28 46 21 17-1368	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	54.83	20.00
28 46 21 17-1369		**Gamewell-FCI Fire Control Instruments** *(28 46 21 17-0805)*		
28 46 21 17-1370		**7100 Series And NetSOLO®** *(28 46 21 17-1369)*		
28 46 21 17-1371		**7100 Compact Analog Addressable Fire Alarm Control Panels** *(28 46 21 17-1370)*		
28 46 21 17-1372	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	709.70	239.93
28 46 21 17-1373	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,008.72	399.88
28 46 21 17-1374	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,276.24	399.88
28 46 21 17-1375	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	3,008.72	399.88
28 46 21 17-1376	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	3,276.24	399.88
28 46 21 17-1377	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	904.22	
28 46 21 17-1378	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,083.20	
28 46 21 17-1379	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,083.20	39.98
28 46 21 17-1380		**NetSOLO® Intelligent Network** *(28 46 21 17-1370)*		
28 46 21 17-1381	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	1,200.95	39.98
28 46 21 17-1382	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	955.09	39.98
28 46 21 17-1383		**Components And Accessories** *(28 46 21 17-1370)*		
28 46 21 17-1384	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	593.15	29.99
28 46 21 17-1385	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	453.01	39.98
28 46 21 17-1386	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	826.98	39.98
28 46 21 17-1387	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	336.20	39.98
28 46 21 17-1388	EA	Enclosure Box (Gamewell-FCI EN-7100)	279.58	79.98
28 46 21 17-1389	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	861.40	20.00
28 46 21 17-1390		**E3 Series® Basic System** *(28 46 21 17-1369)*		
28 46 21 17-1391	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	800.93	39.98
28 46 21 17-1392	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	690.13	39.98
28 46 21 17-1393	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	800.93	39.98
28 46 21 17-1394	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	690.13	39.98
28 46 21 17-1395	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	507.81	39.98
28 46 21 17-1396	EA	Power Supply Module (Gamewell-FCI PM-9)	663.88	39.98
28 46 21 17-1397	EA	Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	559.37	39.98
28 46 21 17-1398	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	550.92	20.00
28 46 21 17-1399	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	320.06	39.98
28 46 21 17-1400	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	849.47	39.98
28 46 21 17-1401	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	712.50	39.98
28 46 21 17-1402	EA	Local Operating Console (Gamewell-FCI 1100-0455)	476.29	29.99
28 46 21 17-1403	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,527.31	29.99
28 46 21 17-1404	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	609.50	39.98
28 46 21 17-1405	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,847.73	39.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1406	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	435.41	79.98
28 46 21 17-1407	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	323.09	79.98
28 46 21 17-1408	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	71.18	20.00
28 46 21 17-1409	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	428.55	39.98
28 46 21 17-1410	EA	LED Driver module (Gamewell-FCI ANU-48)	428.55	39.98
28 46 21 17-1411	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	1,280.39	29.99
28 46 21 17-1412		**Addressable Devices, Module, Pulls And Accessories** *(28 46 21 17-1369)*		
28 46 21 17-1413		**Velociti® Series Sensors And Bases** *(28 46 21 17-1412)*		
28 46 21 17-1414	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	137.22	29.99
28 46 21 17-1415	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	140.05	29.99
28 46 21 17-1416	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	148.53	29.99
28 46 21 17-1417	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	114.62	29.99
28 46 21 17-1418	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	119.33	29.99
28 46 21 17-1419	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	114.62	29.99
28 46 21 17-1420	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	168.31	29.99
28 46 21 17-1421	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	366.13	29.99
28 46 21 17-1422	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	311.92	49.99
28 46 21 17-1423	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	349.60	49.99
28 46 21 17-1424	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	172.50	
28 46 21 17-1425	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	35.07	9.99
28 46 21 17-1426	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	394.39	29.99
28 46 21 17-1427	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	78.87	9.99
28 46 21 17-1428	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,391.65	59.98
28 46 21 17-1429		**Velociti® Series Modules And Pull Station** *(28 46 21 17-1412)*		
28 46 21 17-1430	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	99.80	20.00
28 46 21 17-1431	EA	Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	159.61	20.00
28 46 21 17-1432	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	109.22	20.00
28 46 21 17-1433	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	153.02	20.00
28 46 21 17-1434	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	128.06	20.00
28 46 21 17-1435	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	132.77	20.00
28 46 21 17-1436	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	186.90	39.98
28 46 21 17-1437	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	137.00	20.00
28 46 21 17-1438	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	22.13	4.00
28 46 21 17-1439		**Components And Accessories** *(28 46 21 17-1412)*		
28 46 21 17-1440	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	55.54	16.00
28 46 21 17-1441	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	27.77	8.00
28 46 21 17-1442	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	29.66	8.00
28 46 21 17-1443	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	35.54	9.99
28 46 21 17-1444	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	56.97	12.00
28 46 21 17-1445	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	84.74	16.00
28 46 21 17-1446		**Fixed And Rate of Rise Heat Detectors** *(28 46 21 17-1412)*		
28 46 21 17-1447	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	75.99	29.99
28 46 21 17-1448	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	75.99	29.99
28 46 21 17-1449	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	75.99	29.99
28 46 21 17-1450	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	75.99	29.99
28 46 21 17-1451		**NAC Expander/Power Supply** *(28 46 21 17-1412)*		
28 46 21 17-1452	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,318.03	319.90
28 46 21 17-1453	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,139.05	319.90
28 46 21 17-1454	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,228.54	319.90
28 46 21 17-1455		**Batteries And Accessories** *(28 46 21 17-1369)*		
28 46 21 17-1456	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	202.00	20.00
28 46 21 17-1457	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	509.09	20.00
28 46 21 17-1458	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	107.80	20.00
28 46 21 17-1459	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	250.48	39.98
28 46 21 17-1460	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	250.48	39.98
28 46 21 17-1461	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	223.16	39.98
28 46 21 17-1462		**Electronic Door Holders** *(28 46 21 17-1369)* Note: Rixson products.		
28 46 21 17-1463	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	35.69	4.00
28 46 21 17-1464	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	286.06	29.99
28 46 21 17-1465	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	388.73	29.99
28 46 21 17-1466	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	183.76	29.99
28 46 21 17-1467	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	175.28	29.99
28 46 21 17-1468	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	183.76	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1469	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	183.38	29.99
28 46 21 17-1470		SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes *(28 46 21 17-1369)*		
		See CSI section 28 46 21 17-1659 for devices.		
28 46 21 17-1471		SpectrAlert® Advance Accessories *(28 46 21 17-1369)*		
		See CSI section 28 46 21 17-1659 for backboxes, 28 46 21 17-1919 for backboxes.		
28 46 21 17-1472		Fire Alarm Programming *(28 46 21 17-1369)*		
		Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 17-1473	EA	Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 17-1474	EA	Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 17-1475	EA	Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 17-1476		Fire-Lite Fire Alarm *(28 46 21 17-0804)*		
28 46 21 17-1477		Addressable Control Panels *(28 46 21 17-1476)*		
28 46 21 17-1478	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,341.96	399.88
28 46 21 17-1479	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	1,473.89	399.88
28 46 21 17-1480	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,077.09	399.88
28 46 21 17-1481	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	3,055.49	399.88
28 46 21 17-1482	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	2,929.62	399.88
28 46 21 17-1483	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	391.16	
28 46 21 17-1484		Silent Knight Fire Alarm *(28 46 21 17-0804)*		
28 46 21 17-1485	EA	Supervised Control Module (Silent Knight SK-CONTROL)	132.42	29.99
28 46 21 17-1486	EA	Detector (Silent Knight IDP-PhotoR)	174.96	29.99
28 46 21 17-1487	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	518.62	59.98
28 46 21 17-1488	EA	Monitoring Module (Silent Knight IDP)	175.06	29.99
28 46 21 17-1489	EA	Cabinet (Silent Knight SK-5207)	240.99	59.98
28 46 21 17-1490	EA	Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	342.56	20.00
28 46 21 17-1491	EA	I/O Input-Output Module (Silent Knight SK-2880)	463.58	20.00
28 46 21 17-1492	EA	Remote Annunciator (Silent Knight RA-2000)	1,330.26	59.98
28 46 21 17-1493	EA	Remote LCD Annunciator (Silent Knight SK-5860)	440.53	59.98
28 46 21 17-1494	EA	Power Supply (Silent Knight 5195/96)	826.68	20.00
28 46 21 17-1495	EA	8 Zone Expander (Silent Knight SK-5210)	645.13	20.00
28 46 21 17-1496	EA	10 Zone Expander (Silent Knight SK-5217)	275.68	20.00
28 46 21 17-1497	EA	Remote Annunciator (Silent Knight SK-5235)	276.85	39.98
28 46 21 17-1498	EA	LCD Remote Annunciator (Silent Knight SK-5230)	262.98	39.98
28 46 21 17-1499	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	421.34	59.98
28 46 21 17-1500	EA	Ionization Smoke Detector (Silent Knight SK-ION)	131.54	29.99
28 46 21 17-1501	EA	Addressable Relay Module (Silent Knight SD500-ARM)	132.42	29.99
28 46 21 17-1502	EA	Addressable Relay Module (Silent Knight IDP-Relay)	150.75	29.99
28 46 21 17-1503	EA	Telephone Line Monitor (Silent Knight SK-7150)	94.44	20.00
28 46 21 17-1504	EA	Serial Driver Board (Silent Knight SK-2884)	174.32	20.00
28 46 21 17-1505	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	123.41	29.99
28 46 21 17-1506	EA	Smoke Detector Base (Silent Knight IDP-6AB)	50.26	9.99
28 46 21 17-1507	EA	Mini Input Module (Silent Knight IDP-MINIMON)	130.75	20.00
28 46 21 17-1508	EA	Status Display Module (Silent Knight SK-4180)	475.69	20.00
28 46 21 17-1509	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	282.04	20.00
28 46 21 17-1510	EA	Serial Parallel Module (Silent Knight SK-4824)	257.83	20.00
28 46 21 17-1511	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	118.26	29.99
28 46 21 17-1512	EA	Addressable Input Module (Silent Knight SD500-AIM)	119.73	29.99
28 46 21 17-1513	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	120.45	29.99
28 46 21 17-1514	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	947.70	20.00
28 46 21 17-1515	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	1,612.31	79.98
28 46 21 17-1516	EA	LED Input/Output Module (Silent Knight / IntelliKnight 5880)	335.33	29.99
28 46 21 17-1517	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	181.01	29.99
28 46 21 17-1518	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	150.75	29.99
28 46 21 17-1519	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	128.71	29.99
28 46 21 17-1520	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	33.49	9.99
28 46 21 17-1521	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	33.49	9.99
28 46 21 17-1522	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	98.26	20.00
28 46 21 17-1523	EA	Fire Slave Communicator Dialer (Silent Knight SK-5128)	303.90	20.00
28 46 21 17-1524	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	489.85	59.98
28 46 21 17-1525	EA	Intelligent Power Module (with cabinet) (Silent Knight SK-5496)	521.36	59.98
28 46 21 17-1526	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	67.48	20.00
28 46 21 17-1527	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	72.97	20.00
28 46 21 17-1528	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	71.43	20.00
28 46 21 17-1529	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,048.08	79.98
28 46 21 17-1530	EA	Remote LED Annunciator (Silent Knight 5865-3)	410.13	39.98
28 46 21 17-1531	EA	Remote LED Annunciator (Silent Knight 5865-4)	464.67	39.98
28 46 21 17-1532	EA	Serial/Parallel Printer Interface (Silent Knight 5824)	285.38	20.00
28 46 21 17-1533	EA	Relay Interface Board (Silent Knight 5883)	199.41	20.00
28 46 21 17-1534	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,351.33	199.93
28 46 21 17-1535	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,388.01	119.96
28 46 21 17-1536	EA	50 Watt Amplifier (Silent Knight EVS-50W)	973.62	79.98
28 46 21 17-1537	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,738.56	79.98
28 46 21 17-1538	EA	Voice Evacuation System (Silent Knight SKE-450)	1,662.75	79.98
28 46 21 17-1539	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	1,378.43	79.98
28 46 21 17-1540	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,408.31	119.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1541	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	799.73	79.98
28 46 21 17-1542	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	688.75	79.98
28 46 21 17-1543	EA	Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	219.41	29.99
28 46 21 17-1544	EA	Photoelectric Detector (Silent Knight SK-PHOTO)	124.16	29.99
28 46 21 17-1545	EA	Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	130.79	29.99
28 46 21 17-1546	EA	Ionization Smoke Detector (Silent Knight SK-ION)	131.54	29.99
28 46 21 17-1547	EA	135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	114.40	29.99
28 46 21 17-1548	EA	190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	120.45	29.99
28 46 21 17-1549	EA	135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	122.69	29.99
28 46 21 17-1550	EA	Sounder Base (Silent Knight B200SR)	74.57	9.99
28 46 21 17-1551	EA	Intelligent Sounder Base (Silent Knight B200S)	79.00	9.99
28 46 21 17-1552	EA	Isolator Base (Silent Knight B224BI)	62.05	9.99
28 46 21 17-1553	EA	Relay Base (Silent Knight B224RB)	62.78	9.99
28 46 21 17-1554	EA	Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	133.85	29.99
28 46 21 17-1555	EA	Photoelectric Duct Detector (Silent Knight SK-DUCT)	216.64	29.99
28 46 21 17-1556	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	769.40	29.99
28 46 21 17-1557	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	879.06	29.99
28 46 21 17-1558	EA	Dual Monitor Module (Silent Knight SK-MONITOR-2)	159.42	29.99
28 46 21 17-1559	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	449.87	39.98
28 46 21 17-1560	EA	Relay Control Module (Silent Knight SK-RELAY)	113.85	20.00
28 46 21 17-1561	EA	Six Relay Control Module (Silent Knight SK-RELAY-6)	434.79	39.98
28 46 21 17-1562	EA	Zone Interface Module (Silent Knight SK-ZONE)	135.27	29.99
28 46 21 17-1563	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	521.10	39.98
28 46 21 17-1564	EA	Monitor Module (Silent Knight SK-MONITOR)	116.04	29.99
28 46 21 17-1565	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	504.67	39.98
28 46 21 17-1566	EA	Monitor Module (Silent Knight SK-MINIMON)	107.93	29.99
28 46 21 17-1567	EA	Fault Isolator Module (Silent Knight SK-ISO)	120.45	29.99
28 46 21 17-1568	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	91.56	9.99
28 46 21 17-1569	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	86.38	9.99
28 46 21 17-1570	EA	6" Isolator Base (Silent Knight SD505-6IB)	78.28	9.99
28 46 21 17-1571	EA	Addressable Notification Module (Silent Knight SD500-ANM)	148.05	29.99
28 46 21 17-1572	EA	Loop Isolation Module (Silent Knight SD500-LIM)	124.89	29.99
28 46 21 17-1573	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	126.64	20.00
28 46 21 17-1574	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	120.95	20.00
28 46 21 17-1575	EA	Back Box (Silent Knight SK-PSSMBB)	55.78	16.00
28 46 21 17-1576	EA	Smoke Detector Module (Silent Knight SD500-SDM)	139.52	29.99
28 46 21 17-1577	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	226.35	29.99
28 46 21 17-1578	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	294.28	29.99
28 46 21 17-1579	EA	Intelligent Power Module (Silent Knight 5895XL)	747.66	79.98
28 46 21 17-1580	EA	Addressable Power Supply (Silent Knight 5496)	521.36	59.98
28 46 21 17-1581	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	120.95	20.00
28 46 21 17-1582	EA	Communicator (Silent Knight IPGSM-4G)	622.58	39.98
28 46 21 17-1583	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	984.45	79.98
28 46 21 17-1584	EA	Status Display Module (Silent Knight 5280)	80.56	20.00
28 46 21 17-1585	EA	Serial/Parallel Module (Silent Knight 5824)	325.38	39.98
28 46 21 17-1586	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	561.35	79.98
28 46 21 17-1587	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	572.30	79.98
28 46 21 17-1588	EA	Dress Panel (Silent Knight SK-DP2/4)	106.36	20.00
28 46 21 17-1589	EA	Class A Convertor (Silent Knight SK-CAC4)	276.26	29.99
28 46 21 17-1590	EA	Transmitter Module (Silent Knight SK-4XTM	146.64	29.99
28 46 21 17-1591	EA	LED Interface Module (Silent Knight SK-4XLM	135.27	29.99
28 46 21 17-1592	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	137.99	20.00
28 46 21 17-1593	EA	Remote Annunciator (Silent Knight SK-RZA4)	135.27	29.99
28 46 21 17-1594	EA	Zone Relay Module (Silent Knight SK-4XZM)	145.21	29.99
28 46 21 17-1595	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	485.99	79.98
28 46 21 17-1596	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	120.95	20.00
28 46 21 17-1597	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	63.91	20.00
28 46 21 17-1598	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	141.74	24.00
28 46 21 17-1599	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	550.13	59.98
28 46 21 17-1600		**Alerton** *(28 46 21 17)*		
28 46 21 17-1601	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	448.35	5.99
28 46 21 17-1602		**Cooper Fire Alarm** *(28 46 21 17)*		
28 46 21 17-1603	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	151.39	20.00
28 46 21 17-1604	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	2,623.87	33.99
28 46 21 17-1605	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	3,459.43	33.99
28 46 21 17-1606	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	1,265.55	39.98
28 46 21 17-1607	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	1,272.97	39.98
28 46 21 17-1608	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	1,272.97	39.98
28 46 21 17-1609	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	944.32	39.98
28 46 21 17-1610	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	944.32	39.98
28 46 21 17-1611	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	944.32	39.98
28 46 21 17-1612	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	1,272.97	39.98
28 46 21 17-1613	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	1,272.97	39.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1614	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	1,272.97	39.98
28 46 21 17-1615	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	1,272.97	39.98
28 46 21 17-1616	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	1,272.97	39.98
28 46 21 17-1617	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	1,465.15	39.98
28 46 21 17-1618	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	1,361.17	39.98
28 46 21 17-1619	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	1,361.17	39.98
28 46 21 17-1620	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	1,361.17	39.98

28 46 21 17-1621 Light Engineered Displays Message Boards *(28 46 21 17)*

28 46 21 17-1622	EA	Two Message Sign, “Announcement” And “Evacuate” (LED SP-2/MNS)	461.12	24.00
28 46 21 17-1623	EA	Four Message Sign, “Fire”, “Weather”, “Announcement”, “E Voltuate” (LED SP-4)	563.24	24.00

28 46 21 17-1624 STI Fire Alarm *(28 46 21 17)*

28 46 21 17-1625	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	106.47	12.00
28 46 21 17-1626	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	141.91	12.00
28 46 21 17-1627	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	93.97	12.00
28 46 21 17-1628	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	84.76	12.00
28 46 21 17-1629	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	74.64	12.00
28 46 21 17-1630	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	84.76	12.00
28 46 21 17-1631	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	84.56	12.00
28 46 21 17-1632	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	178.11	12.00
28 46 21 17-1633	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	114.22	12.00
28 46 21 17-1634	EA	Backplate For Polycarbonate Cover (STI-1280)	49.76	12.00
28 46 21 17-1635	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	33.52	12.00
28 46 21 17-1636	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	59.98	12.00
28 46 21 17-1637	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	118.70	12.00
28 46 21 17-1638	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	104.54	12.00
28 46 21 17-1639	EA	24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550)	568.97	12.00
28 46 21 17-1640	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	83.42	12.00
28 46 21 17-1641	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	76.45	12.00
28 46 21 17-1642	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	69.96	12.00
28 46 21 17-1643	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	76.45	12.00
28 46 21 17-1644	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	69.96	12.00
28 46 21 17-1645	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	76.45	12.00
28 46 21 17-1646	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	69.96	12.00
28 46 21 17-1647	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	131.69	12.00
28 46 21 17-1648	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	63.92	12.00
28 46 21 17-1649	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	63.92	12.00
28 46 21 17-1650	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	100.13	12.00
28 46 21 17-1651	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	100.13	12.00
28 46 21 17-1652	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	70.42	12.00
28 46 21 17-1653	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	70.42	12.00
28 46 21 17-1654	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	63.92	12.00
28 46 21 17-1655	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	69.96	12.00
28 46 21 17-1656	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	70.42	12.00
28 46 21 17-1657	EA	Yellow, “High Threat”, Push Button Station (STI SS-2201)	75.83	5.99
28 46 21 17-1658	EA	Gasket Kit For STI Covers (STI SUB-121)	32.19	

28 46 21 17-1659 System Sensor Fire Alarm *(28 46 21 17)*

28 46 21 17-1660 Smoke Detectors *(28 46 21 17-1659)*

28 46 21 17-1661	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	45.14	4.00
28 46 21 17-1662	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	189.04	4.00
28 46 21 17-1663	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	221.10	39.98
28 46 21 17-1664	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	158.89	39.98
28 46 21 17-1665	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	127.33	39.98
28 46 21 17-1666	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	117.32	29.99
28 46 21 17-1667	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	122.18	29.99
28 46 21 17-1668	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	123.50	29.99
28 46 21 17-1669	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	119.31	29.99
28 46 21 17-1670	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	131.47	29.99
28 46 21 17-1671	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	126.58	29.99
28 46 21 17-1672	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	160.25	29.99
28 46 21 17-1673	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	93.83	20.00
28 46 21 17-1674	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	106.82	20.00
28 46 21 17-1675	EA	Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	213.11	9.99
28 46 21 17-1676	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	71.06	9.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1677		**Duct Smoke Detectors** *(28 46 21 17-1659)*		
28 46 21 17-1678	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	267.25	29.99
28 46 21 17-1679	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	270.26	29.99
28 46 21 17-1680	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	349.52	33.99
28 46 21 17-1681	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	175.53	20.00
28 46 21 17-1682	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	47.28	5.99
28 46 21 17-1683	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	146.67	16.00
28 46 21 17-1684	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	240.23	20.00
28 46 21 17-1685	EA	1' Steel Sampling Tube (System Sensor DST1)	26.21	8.00
28 46 21 17-1686	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	28.53	8.00
28 46 21 17-1687	EA	3' Steel Sampling Tube (System Sensor DST3)	33.18	8.00
28 46 21 17-1688	EA	5' Steel Sampling Tube (System Sensor DST5)	38.08	9.99
28 46 21 17-1689	EA	10' Steel Sampling Tube (System Sensor DST10)	62.76	12.00
28 46 21 17-1690	EA	1', Steel, Exhaust Tube Duct (System Sensor ETX)	29.46	8.00
28 46 21 17-1691	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	71.76	9.99
28 46 21 17-1692	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	162.47	
28 46 21 17-1693	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	174.54	
28 46 21 17-1694		**Heat Detectors** *(28 46 21 17-1659)*		
28 46 21 17-1695	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	78.51	29.99
28 46 21 17-1696	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	78.51	29.99
28 46 21 17-1697	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	92.62	29.99
28 46 21 17-1698	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	92.62	29.99
28 46 21 17-1699		**Horns** *(28 46 21 17-1659)*		
28 46 21 17-1700	EA	Red, Mini Horn (System Sensor MHR)	85.51	29.99
28 46 21 17-1701	EA	White, Mini Horn (System Sensor MHW)	85.51	29.99
28 46 21 17-1702	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HW)	98.51	29.99
28 46 21 17-1703	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	109.76	33.99
28 46 21 17-1704	EA	Red, Interior, Wall Mounted, Horn (System Sensor HR)	96.59	29.99
28 46 21 17-1705	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	117.32	29.99
28 46 21 17-1706		**Wall Mounted Horns/Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1707	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R)	130.54	29.99
28 46 21 17-1708	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	136.11	29.99
28 46 21 17-1709	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	175.67	33.99
28 46 21 17-1710	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	175.67	33.99
28 46 21 17-1711	EA	Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	189.60	33.99
28 46 21 17-1712	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	165.00	33.99
28 46 21 17-1713	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	170.10	33.99
28 46 21 17-1714	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	148.18	29.99
28 46 21 17-1715	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	130.54	29.99
28 46 21 17-1716	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W)	130.54	29.99
28 46 21 17-1717	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	137.04	29.99
28 46 21 17-1718	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	175.67	33.99
28 46 21 17-1719	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	175.67	33.99
28 46 21 17-1720	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	136.11	29.99
28 46 21 17-1721	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	170.10	33.99
28 46 21 17-1722	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	170.10	33.99
28 46 21 17-1723	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P)	130.54	29.99
28 46 21 17-1724	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R)	145.55	29.99
28 46 21 17-1725	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	149.08	29.99
28 46 21 17-1726	EA	Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	172.07	33.99
28 46 21 17-1727	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	166.39	33.99
28 46 21 17-1728	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W)	150.03	29.99
28 46 21 17-1729	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	171.96	33.99
28 46 21 17-1730	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	177.53	33.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1731		**Ceiling Mounted Horns/Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1732	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R)	130.54	29.99
28 46 21 17-1733	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	137.97	29.99
28 46 21 17-1734	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	175.67	33.99
28 46 21 17-1735	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	170.10	33.99
28 46 21 17-1736	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	131.47	29.99
28 46 21 17-1737	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W)	130.54	29.99
28 46 21 17-1738	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	137.97	29.99
28 46 21 17-1739	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	175.67	33.99
28 46 21 17-1740	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	137.97	29.99
28 46 21 17-1741	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	170.10	33.99
28 46 21 17-1742	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	130.54	29.99
28 46 21 17-1743	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R)	145.55	29.99
28 46 21 17-1744	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	149.08	29.99
28 46 21 17-1745	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W)	150.03	29.99
28 46 21 17-1746		**Wall Mounted Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1747	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	51.57	9.99
28 46 21 17-1748	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	99.84	9.99
28 46 21 17-1749	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR)	113.79	29.99
28 46 21 17-1750	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	126.14	29.99
28 46 21 17-1751	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	153.55	33.99
28 46 21 17-1752	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	151.79	33.99
28 46 21 17-1753	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	156.18	33.99
28 46 21 17-1754	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	135.75	33.99
28 46 21 17-1755	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P)	116.61	29.99
28 46 21 17-1756	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW)	116.61	29.99
28 46 21 17-1757	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT)	126.82	29.99
28 46 21 17-1758	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT)	124.04	29.99
28 46 21 17-1759	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	129.61	29.99
28 46 21 17-1760	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	128.68	29.99
28 46 21 17-1761	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	128.68	29.99
28 46 21 17-1762	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	158.03	33.99
28 46 21 17-1763	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	158.03	33.99
28 46 21 17-1764	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	158.03	33.99
28 46 21 17-1765	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	139.47	33.99
28 46 21 17-1766	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	156.18	33.99
28 46 21 17-1767	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	156.18	33.99
28 46 21 17-1768	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P)	115.68	29.99
28 46 21 17-1769	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	18.21	4.00
28 46 21 17-1770	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	18.21	4.00
28 46 21 17-1771	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	18.21	4.00
28 46 21 17-1772	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	18.21	4.00
28 46 21 17-1773		**Ceiling Mounted Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1774	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR)	113.79	29.99
28 46 21 17-1775	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	127.91	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1776	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	153.55	33.99
28 46 21 17-1777	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	153.55	33.99
28 46 21 17-1778	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW)	116.61	29.99
28 46 21 17-1779	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT)	124.04	29.99
28 46 21 17-1780	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	131.47	29.99
28 46 21 17-1781	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	158.03	33.99
28 46 21 17-1782	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	156.18	33.99
28 46 21 17-1783	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	117.54	29.99
28 46 21 17-1784	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	18.21	4.00
28 46 21 17-1785	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	18.21	4.00
28 46 21 17-1786	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	18.21	4.00
28 46 21 17-1787	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	18.21	4.00
28 46 21 17-1788		**Wall Mounted Speakers** *(28 46 21 17-1659)*		
28 46 21 17-1789	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	291.15	29.99
28 46 21 17-1790	EA	Red, Wall Mounted Speaker (System Sensor SPR)	94.38	29.99
28 46 21 17-1791	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	144.00	29.99
28 46 21 17-1792	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	123.22	33.99
28 46 21 17-1793	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	104.09	29.99
28 46 21 17-1794	EA	White, Wall Mounted Speaker (System Sensor SPW)	96.19	29.99
28 46 21 17-1795	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	152.00	33.99
28 46 21 17-1796	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	106.40	29.99
28 46 21 17-1797		**Ceiling Mounted Speakers** *(28 46 21 17-1659)*		
28 46 21 17-1798	EA	Red, Ceiling Mounted Speaker (System Sensor SPCR)	94.38	29.99
28 46 21 17-1799	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	139.82	29.99
28 46 21 17-1800	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	104.09	29.99
28 46 21 17-1801	EA	White, Ceiling Mounted Speaker (System Sensor SPCW)	96.19	29.99
28 46 21 17-1802	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	106.40	29.99
28 46 21 17-1803	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	152.00	33.99
28 46 21 17-1804		**Wall Mounted Speakers/Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1805	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW)	108.20	9.99
28 46 21 17-1806	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW)	51.57	9.99
28 46 21 17-1807	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR)	149.96	29.99
28 46 21 17-1808	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	159.66	29.99
28 46 21 17-1809	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	212.65	33.99
28 46 21 17-1810	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	220.24	33.99
28 46 21 17-1811	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	186.82	33.99
28 46 21 17-1812	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P)	154.68	29.99
28 46 21 17-1813	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	154.37	29.99
28 46 21 17-1814	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT)	175.10	29.99
28 46 21 17-1815	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	223.95	33.99
28 46 21 17-1816	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW)	154.68	29.99
28 46 21 17-1817	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	164.89	29.99
28 46 21 17-1818	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	164.89	29.99
28 46 21 17-1819	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	220.24	33.99
28 46 21 17-1820	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	220.24	33.99
28 46 21 17-1821	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P)	154.68	29.99
28 46 21 17-1822	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	159.32	29.99
28 46 21 17-1823	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	159.32	29.99
28 46 21 17-1824		**Ceiling Mounted Speakers/Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1825	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR)	149.96	29.99
28 46 21 17-1826	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	161.43	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1827	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	154.37	29.99
28 46 21 17-1828	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW)	154.68	29.99
28 46 21 17-1829	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT)	166.75	29.99
28 46 21 17-1830	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	164.89	29.99
28 46 21 17-1831	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	223.02	33.99
28 46 21 17-1832	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	164.89	29.99
28 46 21 17-1833	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	223.95	33.99
28 46 21 17-1834	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	220.24	33.99
28 46 21 17-1835	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P)	154.68	29.99
28 46 21 17-1836	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	159.32	29.99
28 46 21 17-1837	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	164.89	29.99
28 46 21 17-1838	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	159.32	29.99
28 46 21 17-1839	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	164.62	29.99
28 46 21 17-1840		**Electric Alarm Bells** *(28 46 21 17-1659)*		
28 46 21 17-1841	EA	6" 24 Volt DC Alarm Bell (System Sensor SSM24-6)	116.61	29.99
28 46 21 17-1842	EA	8" 24 Volt DC Alarm Bell (System Sensor SSM24-8)	126.82	29.99
28 46 21 17-1843	EA	10" 24 Volt DC Alarm Bell (System Sensor SSM24-10)	150.41	29.99
28 46 21 17-1844		**Device Bases** *(28 46 21 17-1659)*		
28 46 21 17-1845	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	91.49	9.99
28 46 21 17-1846	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	89.17	9.99
28 46 21 17-1847	EA	Intelligent Isolator Base (System Sensor B224BI)	73.15	9.99
28 46 21 17-1848	EA	Intelligent Relay Base (System Sensor B224RB)	74.31	9.99
28 46 21 17-1849	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	41.12	9.99
28 46 21 17-1850		**Boxes, Plates And Decals** *(28 46 21 17-1659)*		
28 46 21 17-1851	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	35.32	9.99
28 46 21 17-1852	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	69.03	12.00
28 46 21 17-1853	EA	Conventional Flanged Mounting Base (System Sensor B210LP)	33.93	9.99
28 46 21 17-1854	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	67.35	9.99
28 46 21 17-1855	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	58.99	9.99
28 46 21 17-1856	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	65.49	9.99
28 46 21 17-1857	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	58.99	9.99
28 46 21 17-1858	EA	Red Retrofit Plate (System Sensor RFP)	28.34	5.99
28 46 21 17-1859	EA	White Retrofit Plate (System Sensor RFPW)	28.34	5.99
28 46 21 17-1860	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	49.71	9.99
28 46 21 17-1861	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	51.10	9.99
28 46 21 17-1862	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR)	41.82	9.99
28 46 21 17-1863	EA	White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	41.82	9.99
28 46 21 17-1864	EA	Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	35.32	9.99
28 46 21 17-1865	EA	Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	39.96	9.99
28 46 21 17-1866	EA	White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	39.96	9.99
28 46 21 17-1867	EA	White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	35.32	9.99
28 46 21 17-1868	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	34.85	9.99
28 46 21 17-1869	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	34.85	9.99
28 46 21 17-1870	EA	Red, Wall Mounted, Trim Ring (System Sensor TR)	14.78	4.00
28 46 21 17-1871	EA	Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	14.78	4.00
28 46 21 17-1872	EA	White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	14.78	4.00
28 46 21 17-1873	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	12.60	4.00
28 46 21 17-1874	EA	White, Wall Mounted, Trim Ring (System Sensor TRW)	14.78	4.00
28 46 21 17-1875	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	19.33	
28 46 21 17-1876	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	27.07	
28 46 21 17-1877	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	19.33	
28 46 21 17-1878	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	27.07	
28 46 21 17-1879		**Chimes** *(28 46 21 17-1659)*		
28 46 21 17-1880	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	101.76	29.99
28 46 21 17-1881	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	101.76	29.99
28 46 21 17-1882		**Chime/Strobes** *(28 46 21 17-1659)*		
28 46 21 17-1883	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	189.03	29.99
28 46 21 17-1884	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	189.03	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1885		**Carbon Monoxide Detectors** *(28 46 21 17-1659)*		
28 46 21 17-1886	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	191.57	39.98
28 46 21 17-1887	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	177.42	29.99
28 46 21 17-1888	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	11.71	4.00
28 46 21 17-1889		**Switches** *(28 46 21 17-1659)*		
28 46 21 17-1890	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	153.61	16.00
28 46 21 17-1891	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	172.18	16.00
28 46 21 17-1892	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	153.61	16.00
28 46 21 17-1893	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	172.18	16.00
28 46 21 17-1894	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	157.32	16.00
28 46 21 17-1895	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	148.04	16.00
28 46 21 17-1896		**Low Frequency Sounders** *(28 46 21 17-1659)*		
28 46 21 17-1897	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	132.40	29.99
28 46 21 17-1898	EA	White, Low Frequency Sounder (System Sensor HW-LF)	132.40	29.99
28 46 21 17-1899		**Sync Modules** *(28 46 21 17-1659)*		
28 46 21 17-1900	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	118.89	20.00
28 46 21 17-1901	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	118.89	20.00
28 46 21 17-1902		**Relays** *(28 46 21 17-1659)*		
28 46 21 17-1903	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	66.06	16.00
28 46 21 17-1904	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	42.65	9.99
28 46 21 17-1905	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	129.55	9.99
28 46 21 17-1906	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	94.50	9.99
28 46 21 17-1907	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	71.35	16.00
28 46 21 17-1908	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	44.14	9.99
28 46 21 17-1909	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	146.26	9.99
28 46 21 17-1910	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	108.20	9.99
28 46 21 17-1911	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	36.71	9.99
28 46 21 17-1912	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	36.71	9.99
28 46 21 17-1913	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	36.71	9.99
28 46 21 17-1914		**Remote Annunciator** *(28 46 21 17-1659)*		
28 46 21 17-1915	EA	Remote Annunciator (System Sensor RA100Z)	72.79	29.99
28 46 21 17-1916	EA	Remote LED Annunciator (System Sensor RA100ZA)	77.98	29.99
28 46 21 17-1917		**Remote Test Station** *(28 46 21 17-1659)*		
28 46 21 17-1918	EA	Remote Test Station With Key (System Sensor RTS151KEY)	100.98	29.99
28 46 21 17-1919		**Wheelock Fire Alarm** *(28 46 21 17)*		
28 46 21 17-1920		**Ceiling Mounted Chimes/Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1921	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	221.52	29.99
28 46 21 17-1922		**Wall Mounted Chimes/Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1923	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	221.52	29.99
28 46 21 17-1924	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	221.52	29.99
28 46 21 17-1925		**Ceiling Mounted Horns/Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1926	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	135.18	29.99
28 46 21 17-1927	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	135.18	29.99
28 46 21 17-1928		**Wall Mounted Horns/Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1929	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	145.39	29.99
28 46 21 17-1930	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	165.82	29.99
28 46 21 17-1931	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	153.75	29.99
28 46 21 17-1932	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	153.75	29.99
28 46 21 17-1933	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	157.46	29.99
28 46 21 17-1934	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	150.50	29.99
28 46 21 17-1935	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	150.03	29.99
28 46 21 17-1936	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	169.18	33.99
28 46 21 17-1937	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	135.64	29.99
28 46 21 17-1938	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	135.64	29.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1939		**Ceiling Mounted Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1940	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	119.86	29.99
28 46 21 17-1941	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	119.86	29.99
28 46 21 17-1942	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	122.18	29.99
28 46 21 17-1943	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	122.18	29.99
28 46 21 17-1944		**Wall Mounted Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1945	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	189.96	29.99
28 46 21 17-1946	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	152.82	29.99
28 46 21 17-1947	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	133.32	29.99
28 46 21 17-1948	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	124.04	29.99
28 46 21 17-1949	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	124.04	29.99
28 46 21 17-1950	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	137.50	29.99
28 46 21 17-1951	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	140.40	33.99
28 46 21 17-1952	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	122.18	29.99
28 46 21 17-1953	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	122.18	29.99
28 46 21 17-1954		**Ceiling Mounted Speakers/Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1955	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	163.96	29.99
28 46 21 17-1956	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	163.96	29.99
28 46 21 17-1957	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	162.10	29.99
28 46 21 17-1958	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	163.96	29.99
28 46 21 17-1959	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	175.57	29.99
28 46 21 17-1960	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	179.74	29.99
28 46 21 17-1961		**Wall Mounted Speakers/Strobes** *(28 46 21 17-1919)*		
28 46 21 17-1962	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	181.60	29.99
28 46 21 17-1963	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	181.60	29.99
28 46 21 17-1964	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	175.57	29.99
28 46 21 17-1965	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	175.57	29.99
28 46 21 17-1966	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	163.96	29.99
28 46 21 17-1967	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	160.25	29.99
28 46 21 17-1968	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	175.57	29.99
28 46 21 17-1969	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	175.57	29.99
28 46 21 17-1970	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	179.74	29.99
28 46 21 17-1971	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	163.96	29.99
28 46 21 17-1972	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	160.25	29.99
28 46 21 17-1973	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	175.57	29.99
28 46 21 17-1974	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	179.74	29.99
28 46 21 17-1975	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	179.74	29.99
28 46 21 17-1976	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	179.74	29.99
28 46 21 17-1977	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	195.64	33.99
28 46 21 17-1978		**Electric Alarm Bells** *(28 46 21 17-1919)*		
28 46 21 17-1979	EA	6", 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	138.43	29.99
28 46 21 17-1980	EA	6", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	138.43	29.99
28 46 21 17-1981	EA	10", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	181.60	29.99
28 46 21 17-1982	EA	115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R)	1,285.11	33.99
28 46 21 17-1983	EA	Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R)	2,036.19	33.99
28 46 21 17-1984	EA	Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R)	1,901.57	33.99
28 46 21 17-1985	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	110.58	29.99
28 46 21 17-1986	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	132.40	29.99
28 46 21 17-1987		**Horns** *(28 46 21 17-1919)*		
28 46 21 17-1988	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R)	97.12	29.99
28 46 21 17-1989	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	96.65	29.99
28 46 21 17-1990	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	96.65	29.99
28 46 21 17-1991	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	97.12	29.99
28 46 21 17-1992	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	97.12	29.99
28 46 21 17-1993	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	81.33	29.99
28 46 21 17-1994	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	81.33	29.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1995	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	94.80	29.99
28 46 21 17-1996		**Speakers** *(28 46 21 17-1919)*		
28 46 21 17-1997	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R)	99.90	29.99
28 46 21 17-1998	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W)	99.90	29.99
28 46 21 17-1999	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R)	99.90	29.99
28 46 21 17-2000	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W)	97.58	29.99
28 46 21 17-2001	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	99.90	29.99
28 46 21 17-2002	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	99.90	29.99
28 46 21 17-2003	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	99.90	29.99
28 46 21 17-2004	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	99.90	29.99
28 46 21 17-2005	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R)	114.76	29.99
28 46 21 17-2006	EA	White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W)	114.76	29.99
28 46 21 17-2007	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W)	116.61	29.99
28 46 21 17-2008	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	130.07	29.99
28 46 21 17-2009	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	124.04	29.99
28 46 21 17-2010	EA	Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S)	244.73	29.99
28 46 21 17-2011	EA	Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR)	244.73	29.99
28 46 21 17-2012		**Sync Modules** *(28 46 21 17-1919)*		
28 46 21 17-2013	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	112.40	20.00
28 46 21 17-2014		**Boxes, Plates And Rings** *(28 46 21 17-1919)*		
28 46 21 17-2015	EA	4" Square, Red, Surface Backbox (Wheelock BB-R)	28.59	9.99
28 46 21 17-2016	EA	Standard 4" Square Box (Wheelock BB-STD)	26.13	9.99
28 46 21 17-2017	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC)	156.96	20.00
28 46 21 17-2018	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	156.96	20.00
28 46 21 17-2019	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	116.47	16.00
28 46 21 17-2020	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	16.12	4.00
28 46 21 17-2021	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	15.89	4.00
28 46 21 17-2022	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	38.10	9.99
28 46 21 17-2023	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	36.25	9.99
28 46 21 17-2024	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	39.03	9.99
28 46 21 17-2025	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	39.03	9.99
28 46 21 17-2026	EA	4" Square Backbox (Wheelock DBB-R)	30.68	9.99
28 46 21 17-2027	EA	Red, Surface Backbox (Wheelock IOB-R)	37.18	9.99
28 46 21 17-2028	EA	White, Surface, Backbox (Wheelock IOB-W)	37.18	9.99
28 46 21 17-2029	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	15.20	4.00
28 46 21 17-2030	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	15.89	4.00
28 46 21 17-2031	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	15.89	4.00
28 46 21 17-2032	EA	Red Retrofit Plate (Wheelock RP-R)	18.68	4.00
28 46 21 17-2033	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	27.50	4.00
28 46 21 17-2034	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	39.03	9.99
28 46 21 17-2035	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	39.03	9.99
28 46 21 17-2036	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	42.51	9.99
28 46 21 17-2037	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	16.59	4.00
28 46 21 17-2038	EA	White, Semi-Flush Plate (Wheelock SFB-W)	16.59	4.00
28 46 21 17-2039	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	33.93	9.99
28 46 21 17-2040	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	33.93	9.99
28 46 21 17-2041	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	23.55	4.00
28 46 21 17-2042	EA	Red, Weatherproof Backbox (Wheelock WBB)	49.71	9.99
28 46 21 17-2043	EA	Weather Resistant Backbox (Wheelock WBB-R)	39.03	9.99
28 46 21 17-2044	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	30.51	4.00
28 46 21 17-2045	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	30.51	4.00
28 46 21 17-2046	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	30.51	4.00
28 46 21 17-2047	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	30.51	4.00
28 46 21 17-2048	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	16.59	4.00
28 46 21 17-2049	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	41.35	9.99
28 46 21 17-2050	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	39.03	9.99
28 46 21 17-2051		**Manual Pull Station** *(28 46 21 17-1919)*		
28 46 21 17-2052	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	83.08	20.00
28 46 21 17-2053	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	83.08	20.00
28 46 21 17-2054	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	690.80	20.00
28 46 21 17-2055		**Fire Alarm Terminal Cabinets** *(28 46 21 17)*		
28 46 21 17-2056	EA	18 Point Lockable Fire Alarm Terminal Cabinet	155.30	40.05
28 46 21 17-2057	EA	32 Point Lockable Fire Alarm Terminal Cabinet	200.42	40.05
28 46 21 17-2058	EA	64 Point Lockable Fire Alarm Terminal Cabinet	290.67	40.05
28 46 21 17-2059	EA	128 Point Lockable Fire Alarm Terminal Cabinet	380.88	40.05
28 46 21 17-2060		**Fire Alarm Digital Cellular Communicator** *(28 46 21 17)*		
28 46 21 17-2061	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	444.19	39.98

28 46 23 Fire Alarm Notification Appliances *(28 46)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 46 23 11 Fire Alarm Horns and Strobes *(28 46 23)*

See CSI section 28 46 21 17-0000 for fire alarm horns and strobes.

28 46 23 13 Fire Alarm Speakers *(28 46 23)*

See CSI section 28 46 21 17-0000 for fire alarm speakers.

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001 Personnel Alarm Locating System *(28 49 11)*

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	13,800.60	641.94
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	108.48	
28 49 11 00-0004	EA	Lapel Reader	41.72	
28 49 11 00-0005	EA	IR Locator	156.53	24.04
28 49 11 00-0006	EA	Repeaters And Receivers	385.53	80.11

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	206.56	48.06
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	244.93	56.08
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	246.67	56.08

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	151.10	30.04
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	146.25	24.04
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	70.09	24.04
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	119.21	24.04
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	136.77	24.04
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	155.00	24.04
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	213.59	24.04
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	238.80	24.04

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	92.13	24.04
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	133.99	24.04
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	174.41	24.04
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	183.90	8.01
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	137.73	24.04
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	161.90	24.04
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	272.06	24.04
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	131.08	24.04
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	155.65	8.01
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	240.02	8.01
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	245.21	8.01
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	322.68	8.01

END OF SECTION 28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 05 Common Work Results For Earthwork (31)

31 05 16 Aggregates For Earthwork (31 05)

See CSI section 01 74 19 00-0034 for for hauling greater than 15 miles.

31 05 16 00-0001	TON	Select Granular Fill (203.07M)	22.56	
		For Up To 14, Add	*6.33*	
		For >14 To 35, Add	*2.26*	
31 05 16 00-0002	TON	Type II Underdrain Filter Stone (605.1001M)	31.09	
		For Up To 14, Add	*8.89*	
		For >14 To 35, Add	*3.11*	
31 05 16 00-0003	TON	Fine Stone Fill (620.02M)	28.63	
		For Up To 14, Add	*8.15*	
		For >14 To 35, Add	*2.86*	
31 05 16 00-0004	TON	Light Stone Fill (620.03M)	29.36	
		For Up To 14, Add	*8.37*	
		For >14 To 35, Add	*2.94*	
31 05 16 00-0005	TON	Medium Stone Fill (620.04M)	36.12	
		For Up To 14, Add	*10.40*	
		For >14 To 35, Add	*3.61*	
31 05 16 00-0006	TON	Heavy Stone Fill (620.05M)	38.34	
		For Up To 14, Add	*11.06*	
		For >14 To 35, Add	*3.83*	
31 05 16 00-0007	TON	Crushed Stone (Size 1) (703-0201CM)	28.00	
		For Up To 14, Add	*7.96*	
		For >14 To 35, Add	*2.80*	
31 05 16 00-0008	TON	Crushed Stone (Size 1A) (703-0201AM)	29.93	
		For Up To 14, Add	*8.54*	
		For >14 To 35, Add	*2.99*	
31 05 16 00-0009	TON	Crushed Stone (Size 1ST) (703-0201BM)	27.74	
		For Up To 14, Add	*7.88*	
		For >14 To 35, Add	*2.77*	
31 05 16 00-0010	TON	Crushed Stone (Size 2) (703-0201DM)	27.41	
		For Up To 14, Add	*7.78*	
		For >14 To 35, Add	*2.74*	
31 05 16 00-0011	TON	Crushed Stone (Size 3) (703-0201FM)	27.83	
		For Up To 14, Add	*7.91*	
		For >14 To 35, Add	*2.78*	
31 05 16 00-0012	TON	Crushed Stone (Size 3A) (703-0201EM)	27.83	
		For Up To 14, Add	*7.91*	
		For >14 To 35, Add	*2.78*	
31 05 16 00-0013	TON	Crushed Gravel (Size 1) (703-0202CM)	31.94	
		For Up To 14, Add	*9.14*	
		For >14 To 35, Add	*3.19*	
31 05 16 00-0014	TON	Crushed Gravel (Size 1A) (703-0202AM)	30.28	
		For Up To 14, Add	*8.64*	
		For >14 To 35, Add	*3.03*	
31 05 16 00-0015	TON	Crushed Gravel (Size 1ST) (703-0202BM)	27.69	
		For Up To 14, Add	*7.87*	
		For >14 To 35, Add	*2.77*	
31 05 16 00-0016	TON	Crushed Gravel (Size 2) (703-0202DM)	27.83	
		For Up To 14, Add	*7.91*	
		For >14 To 35, Add	*2.78*	
31 05 16 00-0017	TON	Crushed Gravel (Size 3) (703-0202FM)	27.41	
		For Up To 14, Add	*7.78*	
		For >14 To 35, Add	*2.74*	
31 05 16 00-0018	TON	Crushed Gravel (Size 3A) (703-0202EM)	28.80	
		For Up To 14, Add	*8.20*	
		For >14 To 35, Add	*2.88*	
31 05 16 00-0019	TON	Mortar Sand (703-03M)	24.32	
		For Up To 14, Add	*6.86*	
		For >14 To 35, Add	*2.43*	
31 05 16 00-0020	TON	Concrete Sand (703-07M)	26.48	
		For Up To 14, Add	*7.50*	
		For >14 To 35, Add	*2.65*	
31 05 16 00-0021	TON	Crushed Run (Size 25MM) (A1M)	25.97	
		For Up To 14, Add	*7.35*	
		For >14 To 35, Add	*2.60*	
31 05 16 00-0022	TON	Crushed Run (Size #1) (A2M)	27.03	
		For Up To 14, Add	*7.67*	
		For >14 To 35, Add	*2.70*	
31 05 16 00-0023	TON	Crushed Run (Size 25MM) (A3M)	25.30	
		For Up To 14, Add	*7.15*	
		For >14 To 35, Add	*2.53*	
31 05 16 00-0024	TON	Crushed Run (Size 40MM) (A4M)	24.59	
		For Up To 14, Add	*6.94*	
		For >14 To 35, Add	*2.46*	
31 05 16 00-0025	TON	Crushed Run (Size 50MM) (A5M)	24.30	
		For Up To 14, Add	*6.85*	
		For >14 To 35, Add	*2.43*	
31 05 16 00-0026	TON	Embankment (Bank Run Gravel)	21.47	
		For Up To 14, Add	*6.00*	
		For >14 To 35, Add	*2.15*	
31 05 16 00-0027	TON	Select Granular Subbase (203.20M)	21.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For Up To 14, Add	*6.12*	
		For >14 To 35, Add	*2.19*	
31 05 16 00-0028	TON	Type 1 Subbase Course (304.11M)	22.94	
		For Up To 14, Add	*6.44*	
		For >14 To 35, Add	*2.29*	
31 05 16 00-0029	TON	Type 2 Subbase Course (304.12M)	23.51	
		For Up To 14, Add	*6.61*	
		For >14 To 35, Add	*2.35*	
31 05 16 00-0030	TON	Type 3 Subbase Course (304.13M)	22.81	
		For Up To 14, Add	*6.40*	
		For >14 To 35, Add	*2.28*	
31 05 16 00-0031	TON	Type 4 Subbase Course (304.14M)	23.62	
		For Up To 14, Add	*6.65*	
		For >14 To 35, Add	*2.36*	
31 05 16 00-0032	TON	Type 4A Subbase Course (304.14AM)	24.49	
		For Up To 14, Add	*6.91*	
		For >14 To 35, Add	*2.45*	
31 05 16 00-0033	TON	Type 1011 Subbase Course (Recycled Crushed Concrete) (17304.1011M)	27.11	
		For Up To 14, Add	*7.69*	
		For >14 To 35, Add	*2.71*	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing And Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	6,324.16
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,546.64
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,378.19
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	2,577.72
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,384.30
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,929.58
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	242.38
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub	495.39
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	705.18
31 11 00 00-0011	ACR	Chipping - Light Brush	1,967.87
31 11 00 00-0012	ACR	Chipping - Medium Brush	2,530.24
31 11 00 00-0013	ACR	Chipping - Heavy Brush	3,542.66

31 11 00 00-0014 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0034 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	8.38
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	10.06
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	31.37
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	24.64

31 13 Selective Tree And Shrub Removal And Trimming *(31 10)*

31 13 13 Selective Tree And Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	461.14
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	691.70
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	922.27
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,383.41
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,844.55

31 13 13 00-0007 Stump Removal *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0008 Stump Removal By Machine *(31 13 13 00-0007)*

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	77.34
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	148.22
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	193.33
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	290.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	341.57	
31 13 13 00-0014		**Stump Removal By Hand** *(31 13 13 00-0007)*		
31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	488.34	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	610.43	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	895.29	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,220.86	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,627.81	
31 13 13 00-0020		**Stump Grinding** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0021		**Stump Grinding, 18" Deep Below Surface Of Soil** *(31 13 13 00-0020)* Note: Level soil to match existing surface area.		
31 13 13 00-0022	EA	Stump Grinding >42" To 48" Tree	311.40	
		For 24" Depth, Add	*62.28*	
31 13 13 00-0023	EA	Stump Grinding Up To 6" Tree	92.55	
		For 24" Depth, Add	*18.51*	
31 13 13 00-0024	EA	Stump Grinding >6" To 12" Tree	123.39	
		For 24" Depth, Add	*24.68*	
31 13 13 00-0025	EA	Stump Grinding >12" To 15" Tree	138.82	
		For 24" Depth, Add	*27.76*	
31 13 13 00-0026	EA	Stump Grinding >15" To 18" Tree	154.25	
		For 24" Depth, Add	*30.85*	
31 13 13 00-0027	EA	Stump Grinding >18" To 21" Tree	165.81	
		For 24" Depth, Add	*33.16*	
31 13 13 00-0028	EA	Stump Grinding >21" To 24" Tree	177.38	
		For 24" Depth, Add	*35.48*	
31 13 13 00-0029	EA	Stump Grinding >24" To 27" Tree	192.81	
		For 24" Depth, Add	*38.56*	
31 13 13 00-0030	EA	Stump Grinding >27" To 30" Tree	210.19	
		For 24" Depth, Add	*42.04*	
31 13 13 00-0031	EA	Stump Grinding >30" To 33" Tree	233.55	
		For 24" Depth, Add	*46.71*	
31 13 13 00-0032	EA	Stump Grinding >33" To 36" Tree	249.12	
		For 24" Depth, Add	*49.82*	
31 13 13 00-0033	EA	Stump Grinding >36" To 42" Tree	280.26	
		For 24" Depth, Add	*56.05*	
31 13 13 00-0034		**Shrub Removal** *(31 13 13)*		
31 13 13 00-0035	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	35.05	
31 13 13 00-0036	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	54.96	
31 13 13 00-0037	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	63.72	
31 13 13 00-0038	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	95.59	
31 13 13 00-0039	EA	Removal Of 12" To 15" Shrub, Deciduous	17.52	
31 13 13 00-0040	EA	Removal Of 18" To 24" Shrub, Deciduous	27.08	
31 13 13 00-0041	EA	Removal Of 2' To 3' Shrub, Deciduous	35.05	
31 13 13 00-0042	EA	Removal Of 3' To 4' Shrub, Deciduous	38.23	
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Evergreen	35.05	
31 13 13 00-0044	EA	Removal Of 24" To 30" Shrub, Evergreen	38.23	
31 13 13 00-0045	EA	Removal Of 30" To 36" Shrub, Evergreen	54.96	
31 13 13 00-0046	EA	Removal Of 36" To 42" Shrub, Evergreen	95.58	
31 13 16		**Selective Tree And Shrub Trimming** *(31 13)*		
31 13 16 00-0001		**Tree Trimming For Pole Line Construction And Maintenance** *(31 13 16)* Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.52	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.28	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	2.69	

31 20 Earth Moving *(31)*

31 23 Excavation And Fill *(31 20)*

31 23 16 Excavation *(31 23)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	8.14	
		For Up To 20, Add	*6.51*	
		For >20 To 50, Add	*4.07*	
		For >50 To 250, Add	*2.04*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-2.44*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	5.25	
		For Up To 20, Add	*4.20*	
		For >20 To 50, Add	*2.63*	
		For >50 To 250, Add	*1.31*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.58*	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	13.48	
		For Up To 20, Add	*10.78*	
		For >20 To 50, Add	*6.74*	
		For >50 To 250, Add	*3.37*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-4.04*	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	9.31	
		For Up To 20, Add	*7.45*	
		For >20 To 50, Add	*4.66*	
		For >50 To 250, Add	*2.33*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-2.79*	

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	103.49
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	177.53

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	2.95	
		For Up To 20, Add	*2.36*	
		For >20 To 50, Add	*1.48*	
		For >50 To 250, Add	*0.74*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.89*	
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	28.75	

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	5.98	
		For Up To 20, Add	*4.78*	
		For >20 To 50, Add	*2.99*	
		For >50 To 250, Add	*1.50*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.79*	
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	32.43	

31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	5.12	
		For Up To 20, Add	*4.10*	
		For >20 To 50, Add	*2.56*	
		For >50 To 250, Add	*1.28*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.54*	
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	75.89	

31 23 16 13-0018 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up.

31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	2.34	
		For Up To 20, Add	*1.87*	
		For >20 To 50, Add	*1.17*	
		For >50 To 250, Add	*0.59*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.70*	

31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	1.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep	1.92	
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep	2.72	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep	3.07	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Blasting *(31 23 16 26)*

Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.

31 23 16 26-0002	BCY	Break Rock By Blasting	58.35	

31 23 16 26-0003 Rock Breaking By Jack Hammer *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0004	CY	Break Rock With Jack Hammer, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	43.18	
31 23 16 26-0005	CY	Break Rock With Jack Hammer, Medium Metamorphic Rock (Slate)	53.98	
31 23 16 26-0006	CY	Break Rock With Jack Hammer, Hard Igneous Rock (Granite, Basalt)	67.48	

31 23 16 26-0007 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0008	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	19.54	
31 23 16 26-0009	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	20.85	
31 23 16 26-0010	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	24.75	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	7.34	
		For >1,000, Deduct		*-1.10*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.23	
		For >1,000, Deduct		*-0.63*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	9.03	
		For >1,000, Deduct		*-1.35*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	5.21	
		For >1,000, Deduct		*-0.78*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.53	
		For >1,000, Deduct		*-0.68*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk for Bulk Excavation by Machine	5.03	
		For >1,000, Deduct		*-0.75*

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	4.03	
		For >1,000, Deduct		*-0.60*
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	6.05	
		For >1,000, Deduct		*-0.91*
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	9.07	
		For >1,000, Deduct		*-1.36*
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	12.09	
		For >1,000, Deduct		*-1.81*

31 23 16 33-0015 Finish Grading *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.50	

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.52	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	4.16	
		For >1,000, Deduct		*-0.62*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 36 Excavation For Building Foundations And Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	6.79	
		For Up To 20, Add	*6.79*	
		For >20 To 50, Add	*5.09*	
		For >50 To 250, Add	*2.72*	
		For >250 To 500, Add	*1.02*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	8.55	
		For Up To 20, Add	*8.55*	
		For >20 To 50, Add	*6.41*	
		For >50 To 250, Add	*3.42*	
		For >250 To 500, Add	*1.28*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.08	
		For Up To 20, Add	*5.08*	
		For >20 To 50, Add	*3.81*	
		For >50 To 250, Add	*2.03*	
		For >250 To 500, Add	*0.76*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	6.05	
		For Up To 20, Add	*6.05*	
		For >20 To 50, Add	*4.54*	
		For >50 To 250, Add	*2.42*	
		For >250 To 500, Add	*0.91*	

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	103.49
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	177.53

31 23 16 36-0011 Relocating On Site Excavated Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures over 100'.

31 23 16 36-0012	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	4.03	
		For Up To 20, Add	*4.03*	
		For >20 To 50, Add	*3.02*	
		For >50 To 250, Add	*1.61*	
		For >250 To 500, Add	*0.60*	
31 23 16 36-0013	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	6.05	
		For Up To 20, Add	*6.05*	
		For >20 To 50, Add	*4.54*	
		For >50 To 250, Add	*2.42*	
		For >250 To 500, Add	*0.91*	
31 23 16 36-0014	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	9.07	
		For Up To 20, Add	*9.07*	
		For >20 To 50, Add	*6.80*	
		For >50 To 250, Add	*3.63*	
		For >250 To 500, Add	*1.36*	
31 23 16 36-0015	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	12.09	
		For Up To 20, Add	*12.09*	
		For >20 To 50, Add	*9.07*	
		For >50 To 250, Add	*4.84*	
		For >250 To 500, Add	*1.81*	

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.

31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	3.39	
		For Up To 20, Add	*3.39*	
		For >20 To 50, Add	*2.54*	
		For >50 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.51*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.94	
		For Up To 20, Add	*3.94*	
		For >20 To 50, Add	*2.96*	
		For >50 To 250, Add	*1.58*	
		For >250 To 500, Add	*0.59*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	49.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 36-0020 Compaction Of Fill Or Subbase *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.51	
		For Up To 20, Add	*9.51*	
		For >20 To 50, Add	*7.13*	
		For >50 To 250, Add	*3.80*	
		For >250 To 500, Add	*1.43*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	32.43	

31 23 16 36-0023 Grading *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	0.87	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	1.40	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	9.58	

31 23 16 36-0027 Loading Excess Material For Removal From Excavation *(31 23 16 36)*

Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.32	
		For Up To 20, Add	*4.32*	
		For >20 To 50, Add	*3.24*	
		For >50 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.65*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	75.89	

31 23 16 36-0030 Spread Material *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material On Site By Machine	2.34	
		For Up To 20, Add	*2.34*	
		For >20 To 50, Add	*1.76*	
		For >50 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.35*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material On Site By Hand	41.88	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	99.57	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	54.76	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	49.78	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	44.81	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	39.83	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	34.85	

31 23 19 00-0009 Well Point Dewatering System Rental *(31 23 19 00-0001)*

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.78	
		For >5 Days And <1 Month, Deduct	*-0.39*	
		For >1 Month, Deduct	*-0.50*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.04	
		For >5 Days And <1 Month, Deduct	*-0.23*	
		For >1 Month, Deduct	*-0.29*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.74	
		For >5 Days And <1 Month, Deduct	*-0.16*	
		For >1 Month, Deduct	*-0.21*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.54	
		For >5 Days And <1 Month, Deduct	*-0.12*	
		For >1 Month, Deduct	*-0.15*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.49	
		For >5 Days And <1 Month, Deduct	*-0.11*	
		For >1 Month, Deduct	*-0.14*	

31 23 19 00-0015 Well Point Dewatering System Operation Costs *(31 23 19 00-0001)*

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	77.12	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 23 23-0001 Compaction Water, Water Truck And Operator *(31 23 23 23)*

31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator 154.17
See CSI section 01 22 23 00-1061 for water truck when water is available on site.

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 Flowable Cement Backfill For Trenches *(31 23 23 33)*
Note: Includes compaction and restoration of final grade.

31 23 23 33-0002 CY Flowable Cement Backfill for Trenches 203.94
For Up To 20, Add 72.84
For >20 To 50, Add 47.78
For >50 To 250, Add 23.89
For >500 To 1,000, Deduct -12.53
For >1,000, Deduct -25.06

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations *(31 24 13)*
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 Cutting, Shaping And Rough Grading *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil 5.03
For Up To 20, Add 5.03
For >20 To 50, Add 3.77
For >50 To 250, Add 2.01
For >250 To 500, Add 0.75
For >1,000, Deduct -0.75

31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock 6.25
Note: Includes compacted aggregate
For Up To 20, Add 6.25
For >20 To 50, Add 4.69
For >50 To 250, Add 2.50
For >250 To 500, Add 0.94
For >1,000, Deduct -0.94

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope 5.31
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope 6.90

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine 4.66
For Up To 20, Add 2.33
For >20 To 50, Add 1.17
For >250 To 500, Deduct -0.47
For >500, Deduct -0.93

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine 9.07
For Up To 20, Add 9.07
For >20 To 50, Add 6.80
For >50 To 250, Add 3.63
For >250 To 500, Add 1.36
For >1,000, Deduct -1.36

31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine 12.09
For Up To 20, Add 12.09
For >20 To 50, Add 9.07
For >50 To 250, Add 4.84
For >250 To 500, Add 1.81
For >1,000, Deduct -1.81

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreadding material by hand.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	5.54	
		For Up To 20, Add	*5.54*	
		For >20 To 50, Add	*4.16*	
		For >50 To 250, Add	*2.22*	
		For >250 To 500, Add	*0.83*	
		For >1,000, Deduct	*-0.83*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.59	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.78	
31 24 13 00-0019	LF	Finish Grade For Curb	0.88	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.07	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.52	
		For Up To 250, Add	*0.52*	
		For >250 To 500, Add	*0.39*	
		For >500 To 1,000, Add	*0.21*	
		For >5,000, Deduct	*-0.08*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.16	
		For Up To 20, Add	*4.16*	
		For >20 To 50, Add	*3.12*	
		For >50 To 250, Add	*1.66*	
		For >250 To 500, Add	*0.62*	
		For >1,000, Deduct	*-0.62*	

31 25 Erosion And Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures For Erosion And Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	40.78	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	37.13	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	34.03	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	32.26	

31 25 14 16 Rolled Erosion Control Mats And Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	1.61
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	1.97
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	1.55
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	1.61
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	1.47

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	2.05
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	2.61
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	1.79
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	1.85
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	1.95

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	9.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	8.46	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	7.99	

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	1.81	

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	6.68	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	9.50	

31 25 14 23 Stabilization Measures For Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand	5.28	2.18
		For >2,500 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.96*	
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand	6.84	2.71
		For >2,500 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.23*	
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand	8.57	3.24
		For >2,500 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.51*	
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand	10.58	4.05
		For >2,500 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.87*	
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand	12.84	4.86
		For >2,500 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-2.26*	
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand	14.89	5.52
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-2.59*	
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand	111.34	37.02
		For >2,500 To 5,000, Deduct	*-6.53*	
		For >5,000, Deduct	*-17.66*	
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand	146.54	40.73
		For >2,500 To 5,000, Deduct	*-7.18*	
		For >5,000, Deduct	*-21.84*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel	4.26	1.44
		For >2,500 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.71*	
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel	7.50	2.18
		For >2,500 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-1.19*	

31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	20.20	
		For Type 1, Deduct	*-3.22*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	21.92	
		For Type 1, Deduct	*-3.54*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	24.29	
		For Type 1, Deduct	*-4.02*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	26.31	
		For Type 1, Deduct	*-4.40*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.61	
		For Type 1, Deduct	*-4.62*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	28.91	
		For Type 1, Deduct	*-4.83*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	30.43	
		For Type 1, Deduct	*-5.09*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	32.52	
		For Type 1, Deduct	*-5.48*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	34.18	
		For Type 1, Deduct	*-5.76*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	36.40	
		For Type 1, Deduct	*-6.16*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	38.48	
		For Type 1, Deduct	*-6.53*	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	40.47	
		For Type 1, Deduct	*-6.87*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.09	
		For Type 1, Deduct	*-7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.23	
		For Type 1, Deduct	*-7.95*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	48.31	
		For Type 1, Deduct	*-8.29*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	50.51	
		For Type 1, Deduct	*-8.66*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.64	
		For Type 1, Deduct	*-9.00*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	554.91	
31 25 14 23-0033	EA	25 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	762.02	
31 25 14 23-0034	EA	40 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	970.04	
31 25 14 23-0035	EA	65 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,269.71	

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	147.69	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	213.23	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	245.72	

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	153.38	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	211.80	

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	33.41	
		For Up To 500, Add	*7.56*	
		For >500 To 1,000, Add	*4.22*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	38.15	
		For Up To 500, Add	*8.59*	
		For >500 To 1,000, Add	*4.78*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	43.61	
		For Up To 500, Add	*9.78*	
		For >500 To 1,000, Add	*5.42*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	49.14	
		For Up To 500, Add	*11.00*	
		For >500 To 1,000, Add	*6.09*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	35.78	
		For Up To 500, Add	*8.04*	
		For >500 To 1,000, Add	*4.46*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	40.99	
		For Up To 500, Add	*9.16*	
		For >500 To 1,000, Add	*5.06*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	46.98	
		For Up To 500, Add	*10.45*	
		For >500 To 1,000, Add	*5.76*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	52.99	
		For Up To 500, Add	*11.77*	
		For >500 To 1,000, Add	*6.47*	

31 25 14 26 Stabilization Measures For Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	2.52	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	1.97	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	1.42	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	1.23	

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	2.61	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	2.13	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	1.26	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	1.30	
		For Wire Backed Fence, Add	*0.55*	

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	3.02	
31 25 14 26-0014		Silt Fences Removal *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.69	
31 25 14 26-0016		Hay And Straw Bales *(31 25 14 26)*		
		Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterlized Straw Bales	3.59	
		Note: Includes securing in ground with stakes.		
31 25 14 26-0018	LF	Place Hay Bales	3.37	
		Note: Includes securing in ground with stakes.		
31 25 14 26-0019		Sediment Logs (Degradable) *(31 25 14 26)*		
31 25 14 26-0020		Sediment Logs (Degradable) *(31 25 14 26-0019)*		
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0021	LF	12" Sediment Log	7.05	
31 25 14 26-0022	LF	20" Sediment Log	8.27	
31 25 14 26-0023		Inlet Protection Sediment Bags *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0024	EA	2' x 2' x 3' Inlet Protection Sediment Bag	43.65	
31 25 14 26-0025	EA	2' x 3' x 3' Inlet Protection Sediment Bag	54.24	
31 25 14 26-0026	EA	2' x 4' x 3' Inlet Protection Sediment Bag	66.44	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant	20.59
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
		For >45 To 90, Deduct	*-0.36*
		For >90 To 225, Deduct	*-1.76*
		For >225, Deduct	*-2.48*

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	30.59
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	35.82
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	44.43
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	52.91

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.33

31 32 19 Geosynthetic Soil Stabilization And Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

		Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.	
31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.52
		For Up To 50, Add	*0.59*
		For >50 To 150, Add	*0.44*
		For >150 To 250, Add	*0.28*
		For >250 To 500, Add	*0.14*
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	2.86
		For Up To 50, Add	*0.66*
		For >50 To 150, Add	*0.49*
		For >150 To 250, Add	*0.32*
		For >250 To 500, Add	*0.16*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	3.11	
		For Up To 50, Add	*0.72*	
		For >50 To 150, Add	*0.53*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	4.44	
		For Up To 50, Add	*0.99*	
		For >50 To 150, Add	*0.73*	
		For >150 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.24*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	5.06	
		For Up To 50, Add	*1.11*	
		For >50 To 150, Add	*0.83*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.56	
		For Up To 50, Add	*0.60*	
		For >50 To 150, Add	*0.44*	
		For >150 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.72	
		For Up To 50, Add	*0.83*	
		For >50 To 150, Add	*0.62*	
		For >150 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.20*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	0.79	
		For Up To 50, Add	*0.19*	
		For >50 To 150, Add	*0.14*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	0.84	
		For Up To 50, Add	*0.20*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	0.91	
		For Up To 50, Add	*0.22*	
		For >50 To 150, Add	*0.16*	
		For >150 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	0.98	
		For Up To 50, Add	*0.23*	
		For >50 To 150, Add	*0.17*	
		For >150 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	1.15	
		For Up To 50, Add	*0.26*	
		For >50 To 150, Add	*0.19*	
		For >150 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	1.35	
		For Up To 50, Add	*0.31*	
		For >50 To 150, Add	*0.23*	
		For >150 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	1.49	
		For Up To 50, Add	*0.34*	
		For >50 To 150, Add	*0.25*	
		For >150 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	1.82	
		For Up To 50, Add	*0.41*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	

31 32 19 16-0010 Woven Geotextiles Fabric *(31 32 19 16)*

31 32 19 16-0011	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	1.12	
		For Up To 50, Add	*0.26*	
		For >50 To 150, Add	*0.19*	
		For >150 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0012	SY	315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.56	
		For Up To 50, Add	*0.35*	
		For >50 To 150, Add	*0.26*	
		For >150 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.74	
		For Up To 50, Add	*0.59*	
		For >50 To 150, Add	*0.44*	
		For >150 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.68	
		For Up To 50, Add	*0.58*	
		For >50 To 150, Add	*0.43*	
		For >150 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.14*	
31 32 19 16-0015	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.34	
		For Up To 50, Add	*0.51*	
		For >50 To 150, Add	*0.38*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
31 32 19 16-0016	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.50	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0017	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	3.18	
		For Up To 50, Add	*0.68*	
		For >50 To 150, Add	*0.51*	
		For >150 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.52	
		For Up To 50, Add	*0.95*	
		For >50 To 150, Add	*0.71*	
		For >150 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.23*	

31 32 19 16-0019 Geomembranes *(31 32 19 16)*

31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.88
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.02
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.22
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.46
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.67
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.82
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.97
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.18
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.37

31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0031	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.76
31 32 19 16-0032	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	0.93
31 32 19 16-0033	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.10
31 32 19 16-0034	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.84
31 32 19 16-0035	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.41
31 32 19 16-0036	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.75
31 32 19 16-0037	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	2.09
31 32 19 16-0038	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	3.82
31 32 19 16-0039	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	3.96

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	4.53
		For >20,000, Deduct	*-0.09*
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	5.31
		For >20,000, Deduct	*-0.13*
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	6.24
		For >20,000, Deduct	*-0.17*

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	3.26

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	54.23
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	64.10
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	77.53
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	91.50
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	107.41
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	147.09
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	185.98

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	34.28
31 37 13 00-0003	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	39.69
31 37 13 00-0004	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	42.24
31 37 13 00-0005	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	45.14
31 37 13 00-0006	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	47.48
31 37 13 00-0007	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	51.35
31 37 13 00-0008	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	62.29

31 40 Shoring And Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	10.39
		For Wood Sheeting Left In Place	*-0.72*
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	11.24
		For Wood Sheeting Left In Place	*-0.89*
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	12.16
		For Wood Sheeting Left In Place	*-1.04*
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	13.17
		For Wood Sheeting Left In Place	*-1.24*
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	14.26
		For Wood Sheeting Left In Place	*-1.44*
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	15.43
		For Wood Sheeting Left In Place	*-1.68*
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	16.71
		For Wood Sheeting Left In Place	*-1.94*

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,694.48
		For Standard Sheeting Left In Place, Add	*1,089.73*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,514.92*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*106.30*
		For High Strength Sheeting 55,000 PSI Grade, Add	*118.11*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*366.13*
		For Each Additional Month >3 Months, Add	*59.05*
31 41 16 13-0003	TON	Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,753.95
		For Standard Sheeting Left In Place, Add	*1,060.00*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,485.19*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*106.30*
		For High Strength Sheeting 55,000 PSI Grade, Add	*118.11*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*366.13*
		For Each Additional Month >3 Months, Add	*59.05*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0004	TON	Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,030.46	
		For Standard Sheeting Left In Place, Add	*921.74*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,346.93*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*106.30*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*118.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*366.13*	
		For Each Additional Month >3 Months, Add	*59.05*	
31 41 16 13-0005	TON	Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,296.53	
		For Standard Sheeting Left In Place, Add	*788.71*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,213.90*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*106.30*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*118.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*366.13*	
		For Each Additional Month >3 Months, Add	*59.05*	
31 41 16 13-0006	TON	Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,453.05	
		For Standard Sheeting Left In Place, Add	*710.45*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,135.64*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*106.30*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*118.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*366.13*	
		For Each Additional Month >3 Months, Add	*59.05*	
31 41 16 13-0007	TON	Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,612.69	
		For Standard Sheeting Left In Place, Add	*630.63*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,055.82*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*106.30*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*118.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*366.13*	
		For Each Additional Month >3 Months, Add	*59.05*	

31 45 Vibroflotation And Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	10.70	

31 60 Special Foundations And Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 16 Steel Piles *(31 62)*

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

31 62 16 19-0002	VLF	8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile	35.17	
		For Piles Driven In Water, Add	*15.92*	
		For Pulling And Salvage After Use, Add	*13.78*	
31 62 16 19-0003	VLF	8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile	40.51	
		For Piles Driven In Water, Add	*16.45*	
		For Pulling And Salvage After Use, Add	*13.78*	
31 62 16 19-0004	VLF	8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile	46.29	
		For Piles Driven In Water, Add	*17.03*	
		For Pulling And Salvage After Use, Add	*13.78*	
31 62 16 19-0005	VLF	10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile	40.51	
		For Piles Driven In Water, Add	*16.45*	
		For Pulling And Salvage After Use, Add	*13.78*	
31 62 16 19-0006	VLF	10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile	45.59	
		For Piles Driven In Water, Add	*16.96*	
		For Pulling And Salvage After Use, Add	*13.78*	
31 62 16 19-0007	VLF	10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	56.82	
		For Piles Driven In Water, Add	*18.08*	
		For Pulling And Salvage After Use, Add	*13.78*	
31 62 16 19-0008	VLF	12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile	47.54	
		For Piles Driven In Water, Add	*17.81*	
		For Pulling And Salvage After Use, Add	*14.51*	
31 62 16 19-0009	VLF	12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile	53.49	
		For Piles Driven In Water, Add	*18.41*	
		For Pulling And Salvage After Use, Add	*14.51*	
31 62 16 19-0010	VLF	12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile	56.79	
		For Piles Driven In Water, Add	*18.74*	
		For Pulling And Salvage After Use, Add	*14.51*	
31 62 16 19-0011	VLF	12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile	66.04	
		For Piles Driven In Water, Add	*19.66*	
		For Pulling And Salvage After Use, Add	*14.51*	
31 62 16 19-0012	VLF	14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile	51.44	
		For Piles Driven In Water, Add	*19.57*	
		For Pulling And Salvage After Use, Add	*16.03*	
31 62 16 19-0013	VLF	14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	58.17	
		For Piles Driven In Water, Add	*20.24*	
		For Pulling And Salvage After Use, Add	*16.03*	
31 62 16 19-0014	VLF	14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile	64.89	
		For Piles Driven In Water, Add	*20.92*	
		For Pulling And Salvage After Use, Add	*16.03*	
31 62 16 19-0015	VLF	14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile	71.62	
		For Piles Driven In Water, Add	*21.59*	
		For Pulling And Salvage After Use, Add	*16.03*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0016	VLF	16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile	57.23	
		For Piles Driven In Water, Add	*21.83*	
		For Pulling And Salvage After Use, Add	*17.90*	
31 62 16 19-0017	VLF	16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile	65.10	
		For Piles Driven In Water, Add	*22.62*	
		For Pulling And Salvage After Use, Add	*17.90*	
31 62 16 19-0018	VLF	16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile	80.43	
		For Piles Driven In Water, Add	*24.15*	
		For Pulling And Salvage After Use, Add	*17.90*	
31 62 16 19-0019	VLF	18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile	70.50	
		For Piles Driven In Water, Add	*24.52*	
		For Pulling And Salvage After Use, Add	*19.41*	
31 62 16 19-0020	VLF	18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile	80.72	
		For Piles Driven In Water, Add	*25.54*	
		For Pulling And Salvage After Use, Add	*19.41*	
31 62 16 19-0021	VLF	18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile	100.14	
		For Piles Driven In Water, Add	*27.48*	
		For Pulling And Salvage After Use, Add	*19.41*	

31 62 16 19-0022 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0023 Steel Pipe Pile Splices *(31 62 16 19-0022)*

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	211.54	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	228.09	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	295.88	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	312.21	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	378.36	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	457.81	

31 62 16 19-0030 Steel Pipe Standard Pile Points *(31 62 16 19-0022)*

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	208.43	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	221.68	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	251.48	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	287.93	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	321.07	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	370.03	

31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points *(31 62 16 19-0022)*

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy Duty Pile Point	303.96	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy Duty Pile Point	320.53	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy Duty Pile Point	360.11	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy Duty Pile Point	426.38	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy Duty Pile Point	483.58	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	38.30	
		For 5,000 PSI Concrete Grout Fill, Add	*4.93*	
		For Piles Driven In Water, Add	*17.31*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-9.74*	
31 62 23 13-0003	VLF	8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile	43.64	
		For 5,000 PSI Concrete Grout Fill, Add	*5.47*	
		For Piles Driven In Water, Add	*17.85*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-9.74*	
31 62 23 13-0004	VLF	8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile	49.42	
		For 5,000 PSI Concrete Grout Fill, Add	*6.04*	
		For Piles Driven In Water, Add	*18.42*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-9.74*	
31 62 23 13-0005	VLF	10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	45.11	
		For 5,000 PSI Concrete Grout Fill, Add	*7.03*	
		For Piles Driven In Water, Add	*18.29*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-9.95*	
31 62 23 13-0006	VLF	10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile	50.19	
		For 5,000 PSI Concrete Grout Fill, Add	*7.54*	
		For Piles Driven In Water, Add	*18.80*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-9.95*	
31 62 23 13-0007	VLF	10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	61.42	
		For 5,000 PSI Concrete Grout Fill, Add	*8.66*	
		For Piles Driven In Water, Add	*19.92*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-9.95*	
31 62 23 13-0008	VLF	12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	54.01	
		For 5,000 PSI Concrete Grout Fill, Add	*9.58*	
		For Piles Driven In Water, Add	*20.34*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-10.79*	
31 62 23 13-0009	VLF	12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile	59.96	
		For 5,000 PSI Concrete Grout Fill, Add	*10.18*	
		For Piles Driven In Water, Add	*20.94*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-10.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0010	VLF	12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile	63.26	
		For 5,000 PSI Concrete Grout Fill, Add	*10.51*	
		For Piles Driven In Water, Add	*21.27*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-10.79*	
31 62 23 13-0011	VLF	12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile	72.51	
		For 5,000 PSI Concrete Grout Fill, Add	*11.43*	
		For Piles Driven In Water, Add	*22.19*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-10.79*	
31 62 23 13-0012	VLF	14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile	60.04	
		For 5,000 PSI Concrete Grout Fill, Add	*11.99*	
		For Piles Driven In Water, Add	*23.47*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-12.62*	
31 62 23 13-0013	VLF	14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	66.77	
		For 5,000 PSI Concrete Grout Fill, Add	*12.67*	
		For Piles Driven In Water, Add	*24.15*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-12.62*	
31 62 23 13-0014	VLF	14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile	73.50	
		For 5,000 PSI Concrete Grout Fill, Add	*13.34*	
		For Piles Driven In Water, Add	*24.82*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-12.62*	
31 62 23 13-0015	VLF	14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile	80.23	
		For 5,000 PSI Concrete Grout Fill, Add	*14.01*	
		For Piles Driven In Water, Add	*25.49*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-12.62*	
31 62 23 13-0016	VLF	16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile	66.80	
		For 5,000 PSI Concrete Grout Fill, Add	*14.99*	
		For Piles Driven In Water, Add	*25.19*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-13.37*	
31 62 23 13-0017	VLF	16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile	74.67	
		For 5,000 PSI Concrete Grout Fill, Add	*15.78*	
		For Piles Driven In Water, Add	*25.98*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-13.37*	
31 62 23 13-0018	VLF	16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile	90.01	
		For 5,000 PSI Concrete Grout Fill, Add	*17.31*	
		For Piles Driven In Water, Add	*27.51*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-13.37*	
31 62 23 13-0019	VLF	18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile	82.14	
		For 5,000 PSI Concrete Grout Fill, Add	*19.14*	
		For Piles Driven In Water, Add	*28.22*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-14.45*	
31 62 23 13-0020	VLF	18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile	92.36	
		For 5,000 PSI Concrete Grout Fill, Add	*20.16*	
		For Piles Driven In Water, Add	*29.24*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-14.45*	
31 62 23 13-0021	VLF	18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile	111.77	
		For 5,000 PSI Concrete Grout Fill, Add	*22.10*	
		For Piles Driven In Water, Add	*31.18*	
		For Placement In Casing Pipe (Not Driven), Deduct	*-14.45*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	48.30	
		For Piles Driven In Water, Add	*15.16*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	58.55	
		For Piles Driven In Water, Add	*16.93*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	66.24	
		For Piles Driven In Water, Add	*18.55*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	72.06	
		For Piles Driven In Water, Add	*20.13*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	47.39	
		For Piles Driven In Water, Add	*15.07*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	48.68	
		For Piles Driven In Water, Add	*15.95*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	59.32	
		For Piles Driven In Water, Add	*17.86*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	68.40	
		For Piles Driven In Water, Add	*19.76*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	28.62	
		For Piles Driven In Water, Add	*11.59*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	31.59	
		For Piles Driven In Water, Add	*12.85*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	34.53	
		For Piles Driven In Water, Add	*14.11*	
		For Thick Wall Shell, Add	*0.06*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	37.51	
		For Piles Driven In Water, Add	*15.38*	
		For Thick Wall Shell, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	40.50	
		For Piles Driven In Water, Add	*16.65*	
		For Thick Wall Shell, Add	*0.07*	

31 63 Bored Piles *(31 60)*

31 63 33 Drilled Micropiles *(31 63)*

31 63 33 00-0001 Screw In Metal Post *(31 63 33)*

Note: Includes all connections, top plates and hardware. Screw-in Metal Post System as manufactured by Techno Metal Post.

31 63 33 00-0002	EA	Mobilization Up To 100 Miles From Certified Installer Location Note: Includes delivery, setup/assembly, dismantling/removal and return of equipment.	246.51	
		For Each Additional 50 Miles, Add	*94.72*	
31 63 33 00-0003	EA	8" to 12" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	303.84	90.93
		For Each Additional Foot Of Post, Add	*23.36*	
31 63 33 00-0004	EA	8" to 12" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	474.74	142.06
		For Each Additional Foot Of Post, Add	*39.98*	
31 63 33 00-0005	EA	8" to 12" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	553.86	165.73
		For Each Additional Foot Of Post, Add	*362.63*	
31 63 33 00-0006	EA	18" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	351.43	95.66
		For Each Additional Foot Of Post, Add	*23.36*	
31 63 33 00-0007	EA	18" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	522.34	146.79
		For Each Additional Foot Of Post, Add	*39.98*	
31 63 33 00-0008	EA	18" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	601.46	170.47
		For Each Additional Foot Of Post, Add	*362.63*	
31 63 33 00-0009	EA	24" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	373.61	100.38
		For Each Additional Foot Of Post, Add	*23.36*	
31 63 33 00-0010	EA	24" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	535.05	146.79
		For Each Additional Foot Of Post, Add	*39.98*	
31 63 33 00-0011	EA	24" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	614.17	170.47
		For Each Additional Foot Of Post, Add	*362.63*	
31 63 33 00-0012	EA	8" To 12" Helix Added To Any Size Galvanized Post	93.11	
31 63 33 00-0013	EA	18" Helix Added To Any Size Galvanized Post	117.25	
31 63 33 00-0014	EA	24" Helix Added To Any Size Galvanized Post	123.61	

END OF SECTION 31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements (32)

32 01 11 Paving Cleaning (32 01)

32 01 11 53 Paint Removal From Paving *(32 01 11)*

32 01 11 53-0001 Remove Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.71
		For Up To 250, Add	*0.86*
		For >250 To 1,000, Add	*0.43*
		For >5,000 To 10,000, Deduct	*-0.26*
		For >10,000 To 25,000, Deduct	*-0.43*
		For >25,000 To 50,000, Deduct	*-0.60*
		For >50,000, Deduct	*-0.68*
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.06
		For Up To 250, Add	*1.03*
		For >250 To 1,000, Add	*0.52*
		For >5,000 To 10,000, Deduct	*-0.31*
		For >10,000 To 25,000, Deduct	*-0.52*
		For >25,000 To 50,000, Deduct	*-0.72*
		For >50,000, Deduct	*-0.82*
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	2.46
		For Up To 250, Add	*1.23*
		For >250 To 1,000, Add	*0.62*
		For >5,000 To 10,000, Deduct	*-0.37*
		For >10,000 To 25,000, Deduct	*-0.62*
		For >25,000 To 50,000, Deduct	*-0.86*
		For >50,000, Deduct	*-0.98*
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	2.95
		For Up To 250, Add	*1.48*
		For >250 To 1,000, Add	*0.74*
		For >5,000 To 10,000, Deduct	*-0.44*
		For >10,000 To 25,000, Deduct	*-0.74*
		For >25,000 To 50,000, Deduct	*-1.03*
		For >50,000, Deduct	*-1.18*
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	2.95
		For Up To 250, Add	*1.48*
		For >250 To 1,000, Add	*0.74*
		For >5,000 To 10,000, Deduct	*-0.44*
		For >10,000 To 25,000, Deduct	*-0.74*
		For >25,000 To 50,000, Deduct	*-1.03*
		For >50,000, Deduct	*-1.18*
32 01 11 53-0007	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.20
		For Up To 250, Add	*1.10*
		For >250 To 1,000, Add	*0.55*
		For >5,000 To 10,000, Deduct	*-0.33*
		For >10,000 To 25,000, Deduct	*-0.55*
		For >25,000 To 50,000, Deduct	*-0.77*
		For >50,000, Deduct	*-0.88*
32 01 11 53-0008	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	2.60
		For Up To 250, Add	*1.30*
		For >250 To 1,000, Add	*0.65*
		For >5,000 To 10,000, Deduct	*-0.39*
		For >10,000 To 25,000, Deduct	*-0.65*
		For >25,000 To 50,000, Deduct	*-0.91*
		For >50,000, Deduct	*-1.04*
32 01 11 53-0009	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	3.14
		For Up To 250, Add	*1.57*
		For >250 To 1,000, Add	*0.79*
		For >5,000 To 10,000, Deduct	*-0.47*
		For >10,000 To 25,000, Deduct	*-0.79*
		For >25,000 To 50,000, Deduct	*-1.10*
		For >50,000, Deduct	*-1.26*
32 01 11 53-0010	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	3.75
		For Up To 250, Add	*1.88*
		For >250 To 1,000, Add	*0.94*
		For >5,000 To 10,000, Deduct	*-0.56*
		For >10,000 To 25,000, Deduct	*-0.94*
		For >25,000 To 50,000, Deduct	*-1.31*
		For >50,000, Deduct	*-1.50*
32 01 11 53-0011	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	3.75
		For Up To 250, Add	*1.88*
		For >250 To 1,000, Add	*0.94*
		For >5,000 To 10,000, Deduct	*-0.56*
		For >10,000 To 25,000, Deduct	*-0.94*
		For >25,000 To 50,000, Deduct	*-1.31*
		For >50,000, Deduct	*-1.50*

32 01 13 Flexible Paving Surface Treatment (32 01)

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Asphalt Seal Coating Minimum *(32 01 13 62)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 62-0002	EA	Asphalt Seal Coating Minimum Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	438.36	

32 01 13 62-0003 Slurry Seal *(32 01 13 62)*

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Includes sweeping and cleaning of area.

32 01 13 62-0004	TON	Up To 45 Ton Type II Slurry Seal Note: 1/4" thick, 14 to 18 Lbs/SY.	391.47	
		For >45 To 91, Deduct	*-58.72*	
		For >91 To 272, Deduct	*-97.87*	
32 01 13 62-0005	TON	Up To 45 Ton Type III Slurry Seal Note: 3/8" thick, 25 to 30 Lbs/SY.	300.94	
		For >45 To 91, Deduct	*-45.14*	
		For >91 To 272, Deduct	*-75.24*	

32 01 13 62-0006 Micro Surfacing *(32 01 13 62)*

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Includes sweeping and cleaning of area.

32 01 13 62-0007	TON	Up To 45 Ton Type II Micro Surfacing	462.11	
		For >45 To 91, Deduct	*-69.32*	
		For >91 To 272, Deduct	*-115.53*	
32 01 13 62-0008	TON	Up To 45 Ton Type III Micro Surfacing	463.44	
		For >45 To 91, Deduct	*-69.52*	
		For >91 To 272, Deduct	*-115.86*	
32 01 13 62-0009	TON	Up To 45 Ton Rut-Filling Type III Micro Surfacing	469.48	
		For >45 To 91, Deduct	*-70.42*	
		For >91 To 272, Deduct	*-117.37*	
32 01 13 62-0010	TON	Up To 45 Ton 6.3 mm Super Thin HMA	368.38	
		For >45 To 91, Deduct	*-55.26*	
		For >91 To 272, Deduct	*-92.10*	

32 01 16 Flexible Paving Rehabilitation *(32 01)*

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*

Note: Includes direct loading into truck.

32 01 16 71-0002 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	20.22	
		For >100 To 1,000, Deduct	*-10.11*	
		For >1,000, Deduct	*-15.17*	
32 01 16 71-0004	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	26.78	
		For >100 To 1,000, Deduct	*-13.39*	
		For >1,000, Deduct	*-20.09*	
32 01 16 71-0005	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	35.66	
		For >100 To 1,000, Deduct	*-17.83*	
		For >1,000, Deduct	*-26.75*	
32 01 16 71-0006	SY	Limited Cold Milling Of Concrete Per Inch	30.40	

32 01 16 71-0007 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0008	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.51	

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings	6.37	
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of >4" To 6" Deep, Asphalt Grindings	7.85	
32 01 16 74-0004	SY	Up To 49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	3.32	
32 01 16 74-0005	SY	>49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	3.20	
32 01 16 74-0006	SY	Up To 49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	3.44	
32 01 16 74-0007	SY	>49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement	3.32	
32 01 16 74-0008	SY	Up To 49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	2.91	
32 01 16 74-0009	SY	>49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	2.80	
32 01 16 74-0010	SY	Up To 49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	3.01	
32 01 16 74-0011	SY	>49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement	2.91	

32 01 16 74-0012 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0013	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.89	
32 01 16 74-0014	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.45	
32 01 16 74-0015	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.72	
32 01 16 74-0016	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0017	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.97	
32 01 16 74-0018	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.89	
32 01 16 74-0019	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.94	
32 01 16 74-0020	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.80	
32 01 16 74-0021	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	13.07	
32 01 16 74-0022	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.53	
32 01 16 74-0023	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.27	
32 01 16 74-0024	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.02	
32 01 16 74-0025	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	14.26	
32 01 16 74-0026	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.13	
32 01 16 74-0027	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.57	
32 01 16 74-0028	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.33	
32 01 16 74-0029	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,225.49	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving *(32 01 17)*

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.23	
		For 3/4" x 1/2" Fill, Add	*0.34*	
		For 1" x 1/2" Fill, Add	*0.63*	
		For Backer Rod, Add	*0.73*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.00	
		For 3/4" x 1/2" Fill, Add	*0.28*	
		For 1" x 1/2" Fill, Add	*0.52*	
		For Backer Rod, Add	*0.66*	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.80	
		For 3/4" x 1/2" Fill, Add	*0.23*	
		For 1" x 1/2" Fill, Add	*0.43*	
		For Backer Rod, Add	*0.60*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.68	
		For 3/4" x 1/2" Fill, Add	*0.20*	
		For 1" x 1/2" Fill, Add	*0.37*	
		For Backer Rod, Add	*0.57*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.60	
		For 3/4" x 1/2" Fill, Add	*0.17*	
		For 1" x 1/2" Fill, Add	*0.32*	
		For Backer Rod, Add	*0.53*	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.56	
		For 3/4" x 1/2" Fill, Add	*0.16*	
		For 1" x 1/2" Fill, Add	*0.30*	
		For Backer Rod, Add	*0.51*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.33	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.87	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.44	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.27	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.15	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.06	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.41	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,302.19	
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	394.17	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,243.03	
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	374.45	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,213.45	
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	364.58	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,183.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	354.72	
32 01 17 63-0010		**Permanent Pot Hole Repair** *(32 01 17 63)* Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,401.76	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	456.32	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,342.60	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	436.60	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,313.02	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	426.73	
32 01 17 63-0017	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,283.43	
32 01 17 63-0018	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	416.87	
32 01 17 63-0019		**Asphalt Placement For Small Repairs** *(32 01 17 63)* Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth.		
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,858.61	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	261.85	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,796.49	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	241.14	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,765.43	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	230.79	
32 01 17 63-0026	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,734.37	
32 01 17 63-0027	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	220.43	
32 01 17 63-0028		**Grind Asphalt** *(32 01 17 63)*		
32 01 17 63-0029	SY	Grinding Asphalt To Level Bump Or Raised Area	17.19	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving Of Concrete Paving *(32 01 26)*

32 01 26 71-0001		**Roadway Grooving** *(32 01 26 71)*		
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	2,794.10	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	2.59	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	3,112.74	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	3.37	
32 01 26 71-0006		**Rumble Strips** *(32 01 26 71)*		
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	3,307.62	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.60	
		For > 52500, Deduct	*-0.10*	
32 01 26 71-0009	EA	First 2000 LF Of MIARDS, Rumble Strips, Concrete	3,686.04	
32 01 26 71-0010	LF	Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete	0.67	
		For > 20000, Deduct	*-0.09*	
32 01 26 71-0011		**Boat Ramps Grooving** *(32 01 26 71)*		
32 01 26 71-0012	SY	Concrete Grooving, Boat Ramps	1.47	

32 01 90 Operation And Maintenance Of Planting *(32 01)*

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	11.79	
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	8.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	9.39	
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	7.69	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	142.68	
		For <1 Acre, Add	*35.67*	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumspter.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	24.62	
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	28.13	
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	31.65	
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	35.17	
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	53.46	
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	85.67	
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	93.55	
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	163.18	
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	149.80	
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	261.02	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	173.10	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	301.85	
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	201.21	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	350.81	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	244.93	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	424.30	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	304.27	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	534.75	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	416.75	
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	724.76	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	661.15	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,165.53	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	30.18	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	34.46	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	38.76	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	43.13	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	65.49	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	104.92	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	114.59	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	199.88	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	183.53	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	319.74	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	212.02	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	369.75	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	246.49	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	429.72	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	300.03	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	519.79	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	372.70	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	655.06	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	510.51	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	887.83	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	809.90	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,427.78	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	33.28	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	37.98	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	42.77	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	47.48	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	72.17	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	115.70	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	126.27	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	220.29	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	202.25	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	352.38	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	233.69	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	407.53	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	271.68	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	473.61	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	330.70	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	572.82	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	410.75	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	721.88	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	562.63	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	978.39	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	892.55	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,573.49	

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	35.73	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	40.81	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	45.94	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	51.00	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	77.52	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	124.25	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	135.63	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	236.60	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	217.23	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	378.48	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	251.00	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	437.72	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	291.79	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	508.70	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	355.18	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	615.25	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	441.21	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	775.41	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	604.28	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,050.93	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	958.68	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,689.99	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	41.01	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	46.92	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	52.76	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	58.60	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	89.06	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	142.77	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	155.89	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	271.93	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	249.66	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	435.02	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	288.49	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	503.07	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	335.34	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	584.65	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	408.22	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	707.19	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	507.12	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	891.26	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	694.60	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,207.98	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,101.91	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,942.59	

32 01 90 23-0117 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed	80.16	
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height	2.81	
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height	6.33	
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'	11.25	
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground	28.13	
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work	70.35	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	31.49
32 01 90 26-0003	CSF	Watering Groundcover	4.91
32 01 90 26-0004	CSF	Watering Annuals And Perennials	8.74
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	17.00
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	22.35
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	27.68
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	34.08
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	8.54

32 01 90 36 Weed And Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	6.32
		For >45 To 90, Deduct	*-0.34*
		For >90 To 225, Deduct	*-0.97*
		For >225 To 870, Deduct	*-1.60*
		For >870, Deduct	*-1.94*
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	6.71
		For >45 To 90, Deduct	*-0.38*
		For >90 To 225, Deduct	*-1.05*
		For >225 To 870, Deduct	*-1.72*
		For >870, Deduct	*-2.10*
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) Note: Includes pre and post emergent.	6.68
		For >45 To 90, Deduct	*-0.38*
		For >90 To 225, Deduct	*-1.04*
		For >225 To 870, Deduct	*-1.71*
		For >870, Deduct	*-2.09*
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) Note: Includes pre and post emergents.	6.92
		For >45 To 90, Deduct	*-0.40*
		For >90 To 225, Deduct	*-1.09*
		For >225 To 870, Deduct	*-1.78*
		For >870, Deduct	*-2.18*

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	8.94
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	8.97
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	9.71

32 01 90 43 Weed And Cultivate *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	34.49
32 01 90 43-0002	MSF	Weed Unmulched Bed	98.56
32 01 90 43-0003	MSF	Cultivate Bed	53.07

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	4.53
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	6.79
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	10.28
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	10.48

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	5.07

32 10 Bases, Ballasts, And Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course	62.00
		For Limestone, Deduct	*-4.02*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.47	
		For Up To 1,000, Add	*0.13*	
		For >1,000 To 2,500, Add	*0.05*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	0.67	
		For Up To 1,000, Add	*0.19*	
		For >1,000 To 2,500, Add	*0.07*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	0.86	
		For Up To 1,000, Add	*0.24*	
		For >1,000 To 2,500, Add	*0.09*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.12	
		For Up To 1,000, Add	*0.31*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.37	
		For Up To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.14*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	1.57	
		For Up To 1,000, Add	*0.44*	
		For >1,000 To 2,500, Add	*0.16*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	1.78	
		For Up To 1,000, Add	*0.49*	
		For >1,000 To 2,500, Add	*0.18*	

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.46	
		For Up To 150, Add	*0.09*	
		For >150 To 300, Add	*0.05*	
		For >300 To 500, Add	*0.02*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.03*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.51	
		For Up To 150, Add	*0.10*	
		For >150 To 300, Add	*0.05*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.03*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.61	
		For Up To 150, Add	*0.13*	
		For >150 To 300, Add	*0.06*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.66	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	0.77	
		For Up To 150, Add	*0.17*	
		For >150 To 300, Add	*0.08*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	0.82	
		For Up To 150, Add	*0.18*	
		For >150 To 300, Add	*0.08*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.06*	

32 12 13 16 Asphaltic Tack Coats *(32 12 13)*

Note: Cost includes furnishing, heating, hauling and applying up to 4,000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0001	GAL	Asphalt Emulsion Tack Coat; NYSDOT HFMS-2h	5.74
32 12 13 16-0002	GAL	Asphalt Emulsion Tack Coat; NYSDOT SS-1h	4.97
32 12 13 16-0003	GAL	Asphalt Emulsion Tack Coat; NYSDOT CSS-1h	3.83

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.38	
		For Up To 150, Add	*0.31*	
		For >150 To 300, Add	*0.14*	
		For >300 To 500, Add	*0.07*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.10*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.46	
		For Up To 150, Add	*0.33*	
		For >150 To 300, Add	*0.15*	
		For >300 To 500, Add	*0.07*	
		For >3,500 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.10*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	1.54	
		For Up To 150, Add	*0.35*	
		For >150 To 300, Add	*0.15*	
		For >300 To 500, Add	*0.08*	
		For >3,500 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.11*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Bituminous Concrete Paving *(32 12 16 13)*

32 12 16 13-0002	TON	Bituminous Stabilized Course	104.84
32 12 16 13-0003	TON	Type 1 Base	113.03
32 12 16 13-0004	TON	Type 1 Base Recycled	113.03
32 12 16 13-0005	TON	Type 2 Base	108.93
32 12 16 13-0006	TON	Type 3 Binder	119.68
32 12 16 13-0007	TON	Type 3 Binder Recycled	119.68
32 12 16 13-0008	TON	Type 5 Shim	142.19
32 12 16 13-0009	TON	Type 6 Top	127.25
32 12 16 13-0010	TON	Type 6 Top Recycled	127.25
32 12 16 13-0011	TON	Type 6F Top (High Friction) Marshall Design	127.25
32 12 16 13-0012	TON	Type 6F2 High Volume	127.25
32 12 16 13-0013	TON	Type 6F3 High Volume	127.25
32 12 16 13-0014	TON	Type 7 Top	131.65
32 12 16 13-0015	TON	Type 7F Top (High Friction) Marshall Design	131.65
32 12 16 13-0016	TON	Type 7F2 High Volume	131.65
32 12 16 13-0017	TON	Type 7F3 High Volume	131.65
32 12 16 13-0018	TON	Superpave Downstate High Volume 9.5mm F1 Note: Includes nuclear density monitoring.	142.29
32 12 16 13-0019	TON	Superpave Upstate High Volume 9.5mm F2 Note: Includes nuclear density monitoring.	142.29
32 12 16 13-0020	TON	Superpave Low Volume 9.5mm F3 Note: Includes nuclear density monitoring.	142.29
32 12 16 13-0021	TON	Superpave Downstate High Volume 12.5mm F1 Note: Includes nuclear density monitoring.	137.34
32 12 16 13-0022	TON	Superpave Upstate High Volume 12.5mm F2, 402-098301M Note: Includes nuclear density monitoring.	137.34
32 12 16 13-0023	TON	Superpave Upstate Low Volume 12.5mm F3, 402-098301M Note: Includes nuclear density monitoring.	137.34
32 12 16 13-0024	TON	Superpave HMA 19.0mm F9, 402.198901M Note: Includes nuclear density monitoring.	129.74

32 12 16 13-0025 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0026	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	263.80

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	9.93
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	9.67
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	15.90

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.91
		For Up To 50, Add	*0.22*
		For >50 To 150, Add	*0.16*
		For >150 To 250, Add	*0.10*
		For >250 To 500, Add	*0.05*
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.98
		For Up To 50, Add	*0.23*
		For >50 To 150, Add	*0.17*
		For >150 To 250, Add	*0.11*
		For >250 To 500, Add	*0.05*

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 36 13-0001 Asphalt Emulsion Seal Coat, PMCRS-2h (Chip Seal) *(32 12 36 13)*

Note: A chip seal is an application of asphalt binder followed by placement of a layer of aggregate chips, and then rolled to embed the aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0002	SY	Up To 200 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.96
32 12 36 13-0003	SY	>200 To 500 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.74
32 12 36 13-0004	SY	>500 To 1,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.57
32 12 36 13-0005	SY	>1,000 To 5,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.38
32 12 36 13-0006	SY	>5,000 To 10,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.28
32 12 36 13-0007	SY	>10,000 To 20,000 SY Chip Seal, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.12
32 12 36 13-0008	SY	>20,00 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.02

32 12 36 13-0009 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0010	SY	Up To 200 SY, CQS-1h, Fog Seal	1.20
32 12 36 13-0011	SY	>200 To 500 SY, CQS-1h, Fog Seal	0.83
32 12 36 13-0012	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	0.67
32 12 36 13-0013	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	0.55
32 12 36 13-0014	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.50
32 12 36 13-0015	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.44
32 12 36 13-0016	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.39
32 12 36 13-0017	SY	>50,000 SY, CQS-1h, Fog Seal	0.38

32 12 36 13-0018 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0019	SY	Up To 200 SY, Sand Seal	1.77
32 12 36 13-0020	SY	>200 To 500 SY, Sand Seal	1.12
32 12 36 13-0021	SY	>500 To 1,000 SY, Sand Seal	1.11
32 12 36 13-0022	SY	>1,000 To 5,000 SY, Sand Seal	0.96
32 12 36 13-0023	SY	>5,000 To 10,000 SY, Sand Seal	0.88
32 12 36 13-0024	SY	>10,000 To 20,000 SY, Sand Seal	0.81
32 12 36 13-0025	SY	>20,000 To 50,000 SY, Sand Seal	0.75
32 12 36 13-0026	SY	>50,000 SY, Sand Seal	0.74

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.	24.81
		For Up To 100, Add	*8.77*
		For >100 To 500, Add	*2.27*
		For >1,000 To 5,000, Deduct	*-1.03*
		For >5,000, Deduct	*-1.97*

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.41

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	50.29	
		For 2,500 PSI Concrete, Deduct	*-3.24*	
		For 3,000 PSI Concrete, Deduct	*-2.11*	
		For 3,500 PSI Concrete, Deduct	*-1.69*	
		For 4,000 PSI Concrete, Deduct	*-0.73*	
		For 5,000 PSI Concrete, Add	*0.45*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.66*	
		For <12' Wide Pass, Add	*8.35*	
		For 24' Or Greater Wide Pass, Deduct	*-10.06*	
		For Slipforming, Deduct	*-5.03*	
		For Up To 100, Add	*18.90*	
		For >100 To 250, Add	*10.86*	
		For >250 To 500, Add	*5.43*	
		For >1,000 To 2,000, Deduct	*-1.41*	
		For >2,000 To 5,000, Deduct	*-2.67*	
		For >5,000 To 10,000, Deduct	*-3.92*	
		For >10,000 To 20,000, Deduct	*-5.18*	
		For >20,000, Deduct	*-6.44*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	59.93	
		For 2,500 PSI Concrete, Deduct	*-4.07*	
		For 3,000 PSI Concrete, Deduct	*-2.65*	
		For 3,500 PSI Concrete, Deduct	*-2.12*	
		For 4,000 PSI Concrete, Deduct	*-0.92*	
		For 5,000 PSI Concrete, Add	*0.57*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.60*	
		For <12' Wide Pass, Add	*9.68*	
		For 24' Or Greater Wide Pass, Deduct	*-11.99*	
		For Slipforming, Deduct	*-5.99*	
		For Up To 100, Add	*21.81*	
		For >100 To 250, Add	*12.67*	
		For >250 To 500, Add	*6.34*	
		For >1,000 To 2,000, Deduct	*-1.77*	
		For >2,000 To 5,000, Deduct	*-3.27*	
		For >5,000 To 10,000, Deduct	*-4.77*	
		For >10,000 To 20,000, Deduct	*-6.26*	
		For >20,000, Deduct	*-7.76*	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	63.92	
		For 2,500 PSI Concrete, Deduct	*-4.29*	
		For 3,000 PSI Concrete, Deduct	*-2.80*	
		For 3,500 PSI Concrete, Deduct	*-2.24*	
		For 4,000 PSI Concrete, Deduct	*-0.97*	
		For 5,000 PSI Concrete, Add	*0.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.85*	
		For <12' Wide Pass, Add	*10.38*	
		For 24' Or Greater Wide Pass, Deduct	*-12.78*	
		For Slipforming, Deduct	*-6.39*	
		For Up To 100, Add	*23.43*	
		For >100 To 250, Add	*13.58*	
		For >250 To 500, Add	*6.79*	
		For >1,000 To 2,000, Deduct	*-1.87*	
		For >2,000 To 5,000, Deduct	*-3.46*	
		For >5,000 To 10,000, Deduct	*-5.06*	
		For >10,000 To 20,000, Deduct	*-6.66*	
		For >20,000, Deduct	*-8.26*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	76.53	
		For 2,500 PSI Concrete, Deduct	*-5.41*	
		For 3,000 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Deduct	*-2.82*	
		For 4,000 PSI Concrete, Deduct	*-1.22*	
		For 5,000 PSI Concrete, Add	*0.75*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.12*	
		For <12' Wide Pass, Add	*12.08*	
		For 24' Or Greater Wide Pass, Deduct	*-15.31*	
		For Slipforming, Deduct	*-7.65*	
		For Up To 100, Add	*27.10*	
		For >100 To 250, Add	*15.90*	
		For >250 To 500, Add	*7.95*	
		For >1,000 To 2,000, Deduct	*-2.35*	
		For >2,000 To 5,000, Deduct	*-4.27*	
		For >5,000 To 10,000, Deduct	*-6.18*	
		For >10,000 To 20,000, Deduct	*-8.09*	
		For >20,000, Deduct	*-10.01*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	87.02	
		For 2,500 PSI Concrete, Deduct	*-5.94*	
		For 3,000 PSI Concrete, Deduct	*-3.87*	
		For 3,500 PSI Concrete, Deduct	*-3.10*	
		For 4,000 PSI Concrete, Deduct	*-1.34*	
		For 5,000 PSI Concrete, Add	*0.83*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.71*	
		For <12' Wide Pass, Add	*14.01*	
		For 24' Or Greater Wide Pass, Deduct	*-17.40*	
		For Slipforming, Deduct	*-8.70*	
		For Up To 100, Add	*31.56*	
		For >100 To 250, Add	*18.36*	
		For >250 To 500, Add	*9.18*	
		For >1,000 To 2,000, Deduct	*-2.58*	
		For >2,000 To 5,000, Deduct	*-4.76*	
		For >5,000 To 10,000, Deduct	*-6.93*	
		For >10,000 To 20,000, Deduct	*-9.11*	
		For >20,000, Deduct	*-11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	98.73	
		For 2,500 PSI Concrete, Deduct	*-6.86*	
		For 3,000 PSI Concrete, Deduct	*-4.48*	
		For 3,500 PSI Concrete, Deduct	*-3.58*	
		For 4,000 PSI Concrete, Deduct	*-1.55*	
		For 5,000 PSI Concrete, Add	*0.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.76*	
		For <12' Wide Pass, Add	*15.73*	
		For 24' Or Greater Wide Pass, Deduct	*-19.75*	
		For Slipforming, Deduct	*-9.87*	
		For Up To 100, Add	*35.37*	
		For >100 To 250, Add	*20.67*	
		For >250 To 500, Add	*10.33*	
		For >1,000 To 2,000, Deduct	*-2.98*	
		For >2,000 To 5,000, Deduct	*-5.45*	
		For >5,000 To 10,000, Deduct	*-7.92*	
		For >10,000 To 20,000, Deduct	*-10.39*	
		For >20,000, Deduct	*-12.86*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	109.87	
		For 2,500 PSI Concrete, Deduct	*-7.55*	
		For 3,000 PSI Concrete, Deduct	*-4.92*	
		For 3,500 PSI Concrete, Deduct	*-3.94*	
		For 4,000 PSI Concrete, Deduct	*-1.71*	
		For 5,000 PSI Concrete, Add	*1.05*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.53*	
		For <12' Wide Pass, Add	*17.62*	
		For 24' Or Greater Wide Pass, Deduct	*-21.97*	
		For Slipforming, Deduct	*-10.99*	
		For Up To 100, Add	*39.67*	
		For >100 To 250, Add	*23.12*	
		For >250 To 500, Add	*11.56*	
		For >1,000 To 2,000, Deduct	*-3.28*	
		For >2,000 To 5,000, Deduct	*-6.03*	
		For >5,000 To 10,000, Deduct	*-8.78*	
		For >10,000 To 20,000, Deduct	*-11.52*	
		For >20,000, Deduct	*-14.27*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	130.78	
		For 2,500 PSI Concrete, Deduct	*-8.94*	
		For 3,000 PSI Concrete, Deduct	*-5.83*	
		For 3,500 PSI Concrete, Deduct	*-4.66*	
		For 4,000 PSI Concrete, Deduct	*-2.02*	
		For 5,000 PSI Concrete, Add	*1.24*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*10.10*	
		For <12' Wide Pass, Add	*21.04*	
		For 24' Or Greater Wide Pass, Deduct	*-26.16*	
		For Slipforming, Deduct	*-13.08*	
		For Up To 100, Add	*47.38*	
		For >100 To 250, Add	*27.58*	
		For >250 To 500, Add	*13.79*	
		For >1,000 To 2,000, Deduct	*-3.89*	
		For >2,000 To 5,000, Deduct	*-7.16*	
		For >5,000 To 10,000, Deduct	*-10.43*	
		For >10,000 To 20,000, Deduct	*-13.69*	
		For >20,000, Deduct	*-16.96*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	165.88	
		For 2,500 PSI Concrete, Deduct	*-10.98*	
		For 3,000 PSI Concrete, Deduct	*-7.16*	
		For 3,500 PSI Concrete, Deduct	*-5.73*	
		For 4,000 PSI Concrete, Deduct	*-2.48*	
		For 5,000 PSI Concrete, Add	*1.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.41*	
		For <12' Wide Pass, Add	*27.15*	
		For 24' Or Greater Wide Pass, Deduct	*-33.18*	
		For Slipforming, Deduct	*-16.59*	
		For Up To 100, Add	*61.35*	
		For >100 To 250, Add	*35.45*	
		For >250 To 500, Add	*17.72*	
		For >1,000 To 2,000, Deduct	*-4.77*	
		For >2,000 To 5,000, Deduct	*-8.92*	
		For >5,000 To 10,000, Deduct	*-13.07*	
		For >10,000 To 20,000, Deduct	*-17.21*	
		For >20,000, Deduct	*-21.36*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	3.76	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assembly *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	12.08	
		For >5,000 To 30,000, Deduct	*-1.32*	
		For >30,000 To 100,000, Deduct	*-2.45*	
		For >100,000, Deduct	*-3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	15.15	
		For >5,000 To 30,000, Deduct	*-1.61*	
		For >30,000 To 100,000, Deduct	*-2.94*	
		For >100,000, Deduct	*-3.65*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	6.76	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	10.04	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*
Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.06	1.92
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.39	1.96
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.77	1.99
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.95	2.04
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.36	2.08
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.37	2.12
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	16.76	2.17

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*
Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	3.28	0.87
		For >1,000 To 2,000, Deduct	*-0.42*	
		For >2,000 To 4,000, Deduct	*-0.60*	
		For >4,000, Deduct	*-0.77*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	3.53	0.87
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000, Deduct	*-0.32*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	3.41	0.87
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000 To 1,500, Deduct	*-0.51*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	3.97	0.87
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 1,500, Deduct	*-0.65*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	5.06	0.87
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 1,500, Deduct	*-0.92*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	5.89	0.87
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 1,500, Deduct	*-1.13*	

32 14 11 Bedding For Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*
Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	0.92	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.11*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded	1.14	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.12*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded	1.51	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded	1.93	
		For Up To 100, Add	*0.72*	
		For >100 To 500, Add	*0.19*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.17*	
32 14 11 00-0006	SF	1" Mortar Bedding	2.73	
		For Up To 100, Add	*1.22*	
		For >100 To 500, Add	*0.35*	
		For >1,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.34*	
32 14 11 00-0007	SF	2" Mortar Bedding	4.03	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*0.49*	
		For >1,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.46*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.41	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.18*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.	10.12	2.66
		For 2-3/4" Concrete Paver, Add	*0.98*	
		For 3-1/8" Concrete Paver, Add	*1.60*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.77*	
		For Up To 100, Add	*3.87*	
		For >100 To 500, Add	*1.04*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.94*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.	9.63	2.43
		For 2-3/4" Concrete Paver, Add	*0.96*	
		For 3-1/8" Concrete Paver, Add	*1.56*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.72*	
		For Up To 100, Add	*3.62*	
		For >100 To 500, Add	*0.97*	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.87*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver Note: Includes 6" x 12", 12" x 12" and other similar size pavers.	9.19	1.93
		For 2-3/4" Concrete Paver, Add	*0.94*	
		For 3-1/8" Concrete Paver, Add	*1.53*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.68*	
		For Up To 100, Add	*3.40*	
		For >100 To 500, Add	*0.90*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.80*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	8.79	2.01
		For 2-3/4" Concrete Paver, Add	*0.92*	
		For 3-1/8" Concrete Paver, Add	*1.50*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.64*	
		For Up To 100, Add	*3.20*	
		For >100 To 500, Add	*0.84*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.74*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	9.40	2.31
		For 2-3/4" Concrete Paver, Add	*0.95*	
		For 3-1/8" Concrete Paver, Add	*1.54*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.70*	
		For Up To 100, Add	*3.51*	
		For >100 To 500, Add	*0.93*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.84*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	8.44	2.31
		For Up To 100, Add	*3.27*	
		For >100 To 500, Add	*0.88*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	10.37	2.66
		For 1-3/8" Thick Paver, Deduct	*-2.03*	
		For 2-3/4" Thick Paver (Vehicular), Add	*4.56*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.79*	
		For Up To 100, Add	*3.93*	
		For >100 To 500, Add	*1.05*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.95*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	15.01	3.04
		For 1-3/8" Thick Paver, Deduct	*-3.43*	
		For 2-3/4" Thick Paver (Vehicular), Add	*7.93*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.05*	
		For Up To 100, Add	*5.27*	
		For >100 To 500, Add	*1.36*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.18*	

32 14 33 Plastic Paving *(32 14)*

32 14 33 13 Permeable Plastic Paving *(32 14 33)*

32 14 33 13-0001 Turf Block Plastic Paving *(32 14 33 13)*

32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	12.20	2.31
		For Up To 100, Add	*4.21*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.92*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	14.68	2.21
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.95*	
		For 1/4" Thick Paver, Deduct	*-7.68*	
		For 1/2" Thick Paver, Deduct	*-5.39*	
		For Up To 100, Add	*4.77*	
		For >100 To 500, Add	*1.18*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.97*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	14.28	2.01
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.91*	
		For 1/4" Thick Paver, Deduct	*-7.58*	
		For 1/2" Thick Paver, Deduct	*-5.33*	
		For Up To 100, Add	*4.57*	
		For >100 To 500, Add	*1.12*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.91*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	13.58	1.66
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.84*	
		For 1/4" Thick Paver, Deduct	*-7.40*	
		For 1/2" Thick Paver, Deduct	*-5.22*	
		For Up To 100, Add	*4.22*	
		For >100 To 500, Add	*1.01*	
		For >1,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.80*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	13.28	1.51
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.81*	
		For 1/4" Thick Paver, Deduct	*-7.33*	
		For 1/2" Thick Paver, Deduct	*-5.18*	
		For Up To 100, Add	*4.07*	
		For >100 To 500, Add	*0.97*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.76*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	13.89	1.82
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.88*	
		For 1/4" Thick Paver, Deduct	*-7.48*	
		For 1/2" Thick Paver, Deduct	*-5.27*	
		For Up To 100, Add	*4.38*	
		For >100 To 500, Add	*1.06*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0007		**Granite Paver Sidewalk** *(32 14 40)* Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	21.71	2.21
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.31*	
		For 2" Granite Paver, Add	*1.09*	
		For 3" Granite Paver, Add	*2.17*	
		For 4" Granite Paver, Add	*2.39*	
		For Up To 100, Add	*6.53*	
		For >100 To 500, Add	*1.53*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-1.18*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	21.31	2.01
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.27*	
		For 2" Granite Paver, Add	*1.07*	
		For 3" Granite Paver, Add	*2.13*	
		For 4" Granite Paver, Add	*2.33*	
		For Up To 100, Add	*6.33*	
		For >100 To 500, Add	*1.47*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-1.12*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	20.61	1.66
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.20*	
		For 2" Granite Paver, Add	*1.03*	
		For 3" Granite Paver, Add	*2.06*	
		For 4" Granite Paver, Add	*2.23*	
		For Up To 100, Add	*5.98*	
		For >100 To 500, Add	*1.36*	
		For >1,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-1.02*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.	20.31	1.51
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.17*	
		For 2" Granite Paver, Add	*1.02*	
		For 3" Granite Paver, Add	*2.03*	
		For 4" Granite Paver, Add	*2.18*	
		For Up To 100, Add	*5.83*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.97*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	20.92	1.82
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.23*	
		For 2" Granite Paver, Add	*1.05*	
		For 3" Granite Paver, Add	*2.09*	
		For 4" Granite Paver, Add	*2.27*	
		For Up To 100, Add	*6.14*	
		For >100 To 500, Add	*1.41*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-1.06*	

32 16 Curbs, Gutters, Sidewalks, And Driveways *(32 10)*

32 16 13 Curbs And Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001		**Cast In Place Concrete Curb And Gutter** *(32 16 13 13)* Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	21.48	9.36
		For Up To 20, Add	*14.53*	
		For >20 To 50, Add	*8.08*	
		For >50 To 100, Add	*3.22*	
		For >500 To 1,000, Deduct	*-2.71*	
		For >1,000, Deduct	*-4.61*	
		For Rolled Curb And Gutter	*1.36*	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	23.41	12.48
		For Up To 20, Add	*15.84*	
		For >20 To 50, Add	*8.82*	
		For >50 To 100, Add	*3.51*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000, Deduct	*-5.03*	
		For Rolled Curb And Gutter	*1.49*	
32 16 13 13-0004	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	27.32	10.37
		For Up To 20, Add	*18.46*	
		For >20 To 50, Add	*10.26*	
		For >50 To 100, Add	*4.10*	
		For >500 To 1,000, Deduct	*-3.43*	
		For >1,000, Deduct	*-5.83*	
		For Rolled Curb And Gutter	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0005	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	30.16	11.55
		For Up To 20, Add	*20.40*	
		For >20 To 50, Add	*11.35*	
		For >50 To 100, Add	*4.52*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-6.47*	
		For Rolled Curb And Gutter	*1.91*	
32 16 13 13-0006	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	33.17	12.48
		For Up To 20, Add	*22.40*	
		For >20 To 50, Add	*12.45*	
		For >50 To 100, Add	*4.98*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-7.06*	
		For Rolled Curb And Gutter	*2.04*	
32 16 13 13-0007	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	36.91	14.04
		For Up To 20, Add	*24.95*	
		For >20 To 50, Add	*13.88*	
		For >50 To 100, Add	*5.54*	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000, Deduct	*-7.90*	
		For Rolled Curb And Gutter	*2.32*	
32 16 13 13-0008	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	39.41	14.82
		For Up To 20, Add	*26.61*	
		For >20 To 50, Add	*14.79*	
		For >50 To 100, Add	*5.91*	
		For >500 To 1,000, Deduct	*-4.93*	
		For >1,000, Deduct	*-8.39*	
		For Rolled Curb And Gutter	*2.43*	
32 16 13 13-0009	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	43.27	16.39
		For Up To 20, Add	*29.24*	
		For >20 To 50, Add	*16.26*	
		For >50 To 100, Add	*6.49*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-9.24*	
		For Rolled Curb And Gutter	*2.70*	
32 16 13 13-0010	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	45.64	17.17
		For Up To 20, Add	*30.82*	
		For >20 To 50, Add	*17.12*	
		For >50 To 100, Add	*6.85*	
		For >500 To 1,000, Deduct	*-5.71*	
		For >1,000, Deduct	*-9.71*	
		For Rolled Curb And Gutter	*2.81*	
32 16 13 13-0011	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	49.64	18.73
		For Up To 20, Add	*33.53*	
		For >20 To 50, Add	*18.64*	
		For >50 To 100, Add	*7.45*	
		For >500 To 1,000, Deduct	*-6.23*	
		For >1,000, Deduct	*-10.58*	
		For Rolled Curb And Gutter	*3.07*	
32 16 13 13-0012	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	51.88	19.51
		For Up To 20, Add	*35.03*	
		For >20 To 50, Add	*19.46*	
		For >50 To 100, Add	*7.78*	
		For >500 To 1,000, Deduct	*-6.49*	
		For >1,000, Deduct	*-11.04*	
		For Rolled Curb And Gutter	*3.19*	
32 16 13 13-0013	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	57.56	21.84
		For Up To 20, Add	*38.90*	
		For >20 To 50, Add	*21.64*	
		For >50 To 100, Add	*8.63*	
		For >500 To 1,000, Deduct	*-7.25*	
		For >1,000, Deduct	*-12.31*	
		For Rolled Curb And Gutter	*3.60*	
32 16 13 13-0014	LF	Type M100G Concrete Curb And Gutter With Anchors	37.36	14.82
		For Up To 50, Add	*7.80*	
		For Up To 20, Add	*25.38*	
		For >20 To 50, Add	*14.17*	
		For >50 To 100, Add	*5.60*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000, Deduct	*-8.18*	
		For Rolled Curb And Gutter	*2.54*	
32 16 13 13-0015	LF	Type VF150G Concrete Curb And Gutter With Anchors	37.43	14.82
		For Up To 50, Add	*7.80*	
		For Up To 20, Add	*25.42*	
		For >20 To 50, Add	*14.19*	
		For >50 To 100, Add	*5.61*	
		For >500 To 1,000, Deduct	*-4.84*	
		For >1,000, Deduct	*-8.19*	
		For Rolled Curb And Gutter	*2.54*	

32 16 13 13-0016 Curb Anchors *(32 16 13 13)*

32 16 13 13-0017	EA	Curb Anchor For New Construction Placed During New Construction	12.80
32 16 13 13-0018	EA	Curb Anchor For Existing Pavement Placed In Existing Concrete	62.88

Note: Includes drilling, grouting and corrosion resistant epoxy coated bar.

32 16 13 13-0019 Cast In Place Concrete Curbs *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0020	LF	6" x 12" Cast In Place Concrete Curb	15.11	7.45
		For Up To 20, Add	*8.98*	
		For >20 To 50, Add	*5.09*	
		For >50 To 100, Add	*1.95*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-3.30*	
32 16 13 13-0021	LF	6" x 12" Cast In Place Concrete Curb - Radius	17.29	8.57
		For Up To 20, Add	*10.35*	
		For >20 To 50, Add	*5.86*	
		For >50 To 100, Add	*2.24*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-3.80*	
32 16 13 13-0022	LF	6" x 14" Cast In Place Concrete Curb	16.63	7.45
		For Up To 20, Add	*9.84*	
		For >20 To 50, Add	*5.57*	
		For >50 To 100, Add	*2.13*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-3.62*	
32 16 13 13-0023	LF	6" x 14" Cast In Place Concrete Curb - Radius	19.04	8.57
		For Up To 20, Add	*11.35*	
		For >20 To 50, Add	*6.43*	
		For >50 To 100, Add	*2.46*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-4.17*	
32 16 13 13-0024	LF	6" x 16" Cast In Place Concrete Curb	18.36	7.45
		For Up To 20, Add	*10.75*	
		For >20 To 50, Add	*6.08*	
		For >50 To 100, Add	*2.33*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.96*	
32 16 13 13-0025	LF	6" x 16" Cast In Place Concrete Curb - Radius	20.93	11.17
		For Up To 20, Add	*12.38*	
		For >20 To 50, Add	*7.01*	
		For >50 To 100, Add	*2.68*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-4.55*	
32 16 13 13-0026	LF	6" x 18" Cast In Place Concrete Curb	19.73	7.45
		For Up To 20, Add	*11.47*	
		For >20 To 50, Add	*6.49*	
		For >50 To 100, Add	*2.49*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-4.23*	
32 16 13 13-0027	LF	6" x 18" Cast In Place Concrete Curb - Radius	22.27	8.57
		For Up To 20, Add	*13.01*	
		For >20 To 50, Add	*7.36*	
		For >50 To 100, Add	*2.83*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-4.80*	
32 16 13 13-0028	LF	6" x 24" Cast In Place Concrete Curb	22.86	8.20
		For Up To 20, Add	*12.85*	
		For >20 To 50, Add	*7.25*	
		For >50 To 100, Add	*2.80*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-4.77*	
32 16 13 13-0029	LF	6" x 24" Cast In Place Concrete Curb - Radius	25.56	9.31
		For Up To 20, Add	*14.42*	
		For >20 To 50, Add	*8.14*	
		For >50 To 100, Add	*3.14*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-5.35*	
32 16 13 13-0030	LF	12" x 24" Cast In Place Concrete Curb	30.59	9.31
		For Up To 20, Add	*15.42*	
		For >20 To 50, Add	*8.64*	
		For >50 To 100, Add	*3.39*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-5.85*	
32 16 13 13-0031	LF	12" x 24" Cast In Place Concrete Curb - Radius	34.02	10.43
		For Up To 20, Add	*17.22*	
		For >20 To 50, Add	*9.65*	
		For >50 To 100, Add	*3.79*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000, Deduct	*-6.53*	
32 16 13 13-0032	EA	Additional Finish For Handicap Drop Section In Curb	55.85	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	1,145.02
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	11.39
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	15.09
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	15.09
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	19.31

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0001		**Sidewalk/Curb Facing** *(32 16 13 16)* Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.13	4.05
		For Curved Section, Add	*2.83*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	14.43	4.61
		For Curved Section, Add	*3.17*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	19.54	5.16
		For Curved Section, Add	*3.90*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	24.04	5.80
		For Curved Section, Add	*4.57*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	29.45	6.35
		For Curved Section, Add	*5.32*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	38.55	8.10
		For Curved Section, Add	*6.88*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	44.35	10.50
		For Curved Section, Add	*8.36*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	139.59	
32 16 13 23		**Precast Concrete Curbs And Gutters** *(32 16 13)*		
32 16 13 23-0001		**Precast Concrete Curb** *(32 16 13 23)*		
32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	36.48	7.75
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	43.81	8.91
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	38.88	7.75
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	46.98	8.91
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	39.97	7.75
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	48.24	8.91
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	42.69	7.75
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	51.69	8.91
32 16 13 33		**Asphalt Curbs** *(32 16 13)*		
32 16 13 33-0001		**Asphalt Curbs** *(32 16 13 33)*		
32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.11	4.14
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.37	4.61
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	12.54	5.07
32 16 13 43		**Stone Curbs** *(32 16 13)*		
32 16 13 43-0001		**Granite Curbs** *(32 16 13 43)*		
32 16 13 43-0002		**Split Face Granite Curbs** *(32 16 13 43-0001)*		
32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	24.84	7.30
		For Up To 20, Add	*9.85*	
		For >20 To 50, Add	*5.42*	
		For >50 To 100, Add	*2.22*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-3.95*	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	29.49	7.99
		For Up To 20, Add	*11.21*	
		For >20 To 50, Add	*6.14*	
		For >50 To 100, Add	*2.54*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000, Deduct	*-4.54*	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	32.59	8.57
		For Up To 20, Add	*12.23*	
		For >20 To 50, Add	*6.69*	
		For >50 To 100, Add	*2.77*	
		For >500 To 1,000, Deduct	*-2.77*	
		For >1,000, Deduct	*-4.97*	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	38.76	9.26
		For Up To 20, Add	*13.88*	
		For >20 To 50, Add	*7.55*	
		For >50 To 100, Add	*3.16*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-5.72*	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	30.82	7.99
		For Up To 20, Add	*11.45*	
		For >20 To 50, Add	*6.25*	
		For >50 To 100, Add	*2.60*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-4.67*	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	35.48	8.57
		For Up To 20, Add	*12.81*	
		For >20 To 50, Add	*6.97*	
		For >50 To 100, Add	*2.92*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-5.26*	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	38.62	9.26
		For Up To 20, Add	*13.85*	
		For >20 To 50, Add	*7.54*	
		For >50 To 100, Add	*3.16*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	44.80	9.85
		For Up To 20, Add	*15.52*	
		For >20 To 50, Add	*8.41*	
		For >50 To 100, Add	*3.55*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000, Deduct	*-6.45*	

32 16 13 43-0011 Sawn Face Granite Curbs *(32 16 13 43-0001)*

32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	24.84	7.30
		For Up To 20, Add	*9.85*	
		For >20 To 50, Add	*5.42*	
		For >50 To 100, Add	*2.22*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-3.95*	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	29.49	7.99
		For Up To 20, Add	*11.21*	
		For >20 To 50, Add	*6.14*	
		For >50 To 100, Add	*2.54*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000, Deduct	*-4.54*	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	32.63	8.57
		For Up To 20, Add	*12.26*	
		For >20 To 50, Add	*6.70*	
		For >50 To 100, Add	*2.78*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-4.98*	
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	38.81	9.26
		For Up To 20, Add	*13.92*	
		For >20 To 50, Add	*7.57*	
		For >50 To 100, Add	*3.17*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-5.73*	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	35.08	7.99
		For Up To 20, Add	*12.33*	
		For >20 To 50, Add	*6.69*	
		For >50 To 100, Add	*2.82*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-5.10*	
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	42.08	8.57
		For Up To 20, Add	*14.15*	
		For >20 To 50, Add	*7.65*	
		For >50 To 100, Add	*3.25*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-5.93*	
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	46.66	9.26
		For Up To 20, Add	*15.49*	
		For >20 To 50, Add	*8.36*	
		For >50 To 100, Add	*3.56*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000, Deduct	*-6.51*	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	56.16	9.85
		For Up To 20, Add	*17.81*	
		For >20 To 50, Add	*9.56*	
		For >50 To 100, Add	*4.12*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-7.59*	

32 16 13 43-0020 Granite Base And Curbs *(32 16 13 43-0001)*

32 16 13 43-0021	LF	4" High Granite Base	28.26	9.80
		For Up To 20, Add	*12.16*	
		For >20 To 50, Add	*6.73*	
		For >50 To 100, Add	*2.71*	
		For >500 To 1,000, Deduct	*-2.71*	
		For >1,000, Deduct	*-4.78*	
32 16 13 43-0022	LF	6" High Granite Base	33.02	12.83
		For Up To 20, Add	*15.15*	
		For >20 To 50, Add	*8.43*	
		For >50 To 100, Add	*3.36*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-5.87*	

32 16 13 43-0023 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0024	LF	Removal And Reseting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	28.03

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0071 for buggies, 03 31 13 00-0080 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	7.60	
		For Up To 100, Add	*3.22*	
		For >100 To 500, Add	*0.91*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.17*	
		For Welded Wire Reinforcement, Add	*0.58*	
		For 4000 PSI Concrete, Add	*0.19*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	8.32	
		For Up To 100, Add	*3.45*	
		For >100 To 500, Add	*0.96*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-1.24*	
		For Welded Wire Reinforcement, Add	*0.58*	
		For 4000 PSI Concrete, Add	*0.23*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	9.04	
		For Up To 100, Add	*3.67*	
		For >100 To 500, Add	*1.02*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-1.30*	
		For Welded Wire Reinforcement, Add	*0.58*	
		For 4000 PSI Concrete, Add	*0.27*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	10.52	
		For Up To 100, Add	*4.23*	
		For >100 To 500, Add	*1.17*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.49*	
		For Welded Wire Reinforcement, Add	*0.58*	
		For 4000 PSI Concrete, Add	*0.33*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	11.17	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*1.21*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.54*	
		For Welded Wire Reinforcement, Add	*0.58*	
		For 4000 PSI Concrete, Add	*0.37*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.88	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	112.57	

32 16 23 00-0009 Bituminous Sidewalk *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1" Bituminous Sidewalk	7.31	
		For Up To 100, Add	*2.73*	
		For >100 To 500, Add	*0.73*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.73*	
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	9.17	
		For Up To 100, Add	*3.38*	
		For >100 To 500, Add	*0.89*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.89*	
32 16 23 00-0012	SY	2" Bituminous Sidewalk	12.75	
		For Up To 100, Add	*4.54*	
		For >100 To 500, Add	*1.18*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.18*	
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	15.93	
		For Up To 100, Add	*5.65*	
		For >100 To 500, Add	*1.46*	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-1.46*	
32 16 23 00-0014	SY	3" Bituminous Sidewalk	18.34	
		For Up To 100, Add	*6.40*	
		For >100 To 500, Add	*1.64*	
		For >1,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-1.64*	
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	21.20	
		For Up To 100, Add	*7.29*	
		For >100 To 500, Add	*1.86*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.86*	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	77.69	5.74
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	87.24	5.74

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	47.21	17.28
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	54.90	17.28
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	56.12	17.28
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	58.65	17.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 19-0005	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels	54.90	17.28
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	68.83	17.28
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	27.63	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	17.97	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	22.68	5.74
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	26.16	5.74
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	27.55	5.74
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	29.64	5.74

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Speed Bumps *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	27.93	1.36
32 17 16 00-0003	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	21.10	0.91
32 17 16 00-0004	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	49.16	0.91

32 17 23 Pavement Markings *(32 17)*

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)*

Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.

32 17 23 13-0002 Painted Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.23
		For Up To 5,000 LF, Add	*0.05*
		For >25,000 LF, Deduct	*-0.03*
		For Broken Line, Deduct	*-0.05*
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.29
		For Up To 5,000 LF, Add	*0.06*
		For >25,000 LF, Deduct	*-0.04*
		For Broken Line, Deduct	*-0.08*
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.36
		For Up To 5,000 LF, Add	*0.07*
		For >25,000 LF, Deduct	*-0.05*
		For Broken Line, Deduct	*-0.09*
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.50
		For Up To 5,000 LF, Add	*0.10*
		For >25,000 LF, Deduct	*-0.08*
		For Broken Line, Deduct	*-0.14*
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.33
		For Up To 5,000 LF, Add	*0.07*
		For >25,000 LF, Deduct	*-0.05*
		For Broken Line On One Side, Deduct	*-0.05*
		For Double Broken Line, Deduct	*-0.10*
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.50
		For Up To 5,000 LF, Add	*0.10*
		For >25,000 LF, Deduct	*-0.08*
		For Broken Line On One Side, Deduct	*-0.07*
		For Double Broken Line, Deduct	*-0.14*
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping	4.04
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
32 17 23 13-0010	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	2.92
		For <10, Add	*0.39*
		For >50 To 100, Deduct	*-0.20*
		For >100 To 200, Deduct	*-0.26*
		For >200, Deduct	*-0.53*
32 17 23 13-0011	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	5.02
		For <10, Add	*0.60*
		For >50 To 100, Deduct	*-0.30*
		For >100 To 200, Deduct	*-0.40*
		For >200, Deduct	*-0.79*
32 17 23 13-0012	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	8.45
		For <10, Add	*0.99*
		For >50 To 100, Deduct	*-0.50*
		For >100 To 200, Deduct	*-0.66*
		For >200, Deduct	*-1.32*
32 17 23 13-0013	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	16.46
		For <10, Add	*1.98*
		For >50 To 100, Deduct	*-0.99*
		For >100 To 200, Deduct	*-1.32*
		For >200, Deduct	*-2.64*
32 17 23 13-0014	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	19.03
		For <10, Add	*2.22*
		For >50 To 100, Deduct	*-1.11*
		For >100 To 200, Deduct	*-1.48*
		For >200, Deduct	*-2.96*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0015	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	34.06	
		For <10, Add	*3.95*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 200, Deduct	*-2.64*	
		For >200, Deduct	*-5.27*	
32 17 23 13-0016	EA	96" High, Letter/Number, Painted Reflective Pavement Marking	45.53	
		For <10, Add	*5.31*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 200, Deduct	*-3.54*	
		For >200, Deduct	*-7.08*	
32 17 23 13-0017	EA	120" High, Letter/Number, Painted Reflective Pavement Marking	66.47	
		For <10, Add	*6.58*	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 200, Deduct	*-4.39*	
		For >200, Deduct	*-8.77*	
32 17 23 13-0018	EA	Bike Lane Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	48.99	
32 17 23 13-0019	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	180.83	
32 17 23 13-0020	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	56.73	
32 17 23 13-0021	EA	Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	60.93	
32 17 23 13-0022	EA	Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	70.41	
32 17 23 13-0023	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	102.02	
32 17 23 13-0024	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	104.20	
32 17 23 13-0025	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	137.59	
32 17 23 13-0026	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	56.22	
32 17 23 13-0027	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	67.95	
32 17 23 13-0028	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	93.04	
32 17 23 13-0029	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	95.96	
32 17 23 13-0030	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	127.04	
32 17 23 13-0031	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	113.90	
32 17 23 13-0032	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	144.15	

32 17 23 13-0033 Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0034	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.39	
		For 20 Mil Thickness, Add	*0.08*	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.17*	
32 17 23 13-0035	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.54	
		For 20 Mil Thickness, Add	*0.13*	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.26*	
32 17 23 13-0036	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.66	
		For 20 Mil Thickness, Add	*0.15*	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line, Deduct	*-0.32*	
32 17 23 13-0037	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	0.99	
		For 20 Mil Thickness, Add	*0.24*	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For Broken Line, Deduct	*-0.51*	
32 17 23 13-0038	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.62	
		For 20 Mil Thickness, Add	*0.16*	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.17*	
		For Double Broken Line, Deduct	*-0.35*	
32 17 23 13-0039	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.88	
		For 20 Mil Thickness, Add	*0.24*	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.26*	
		For Double Broken Line, Deduct	*-0.52*	
32 17 23 13-0040	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.08	
		For 20 Mil Thickness, Add	*0.60*	
32 17 23 13-0041	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	3.12	
		For 20 Mil Thickness, Add	*0.29*	
		For <10, Add	*0.39*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 200, Deduct	*-0.26*	
		For >200, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0042	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	5.74	
		For 20 Mil Thickness, Add	*0.79*	
		For <10, Add	*0.60*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 200, Deduct	*-0.40*	
		For >200, Deduct	*-0.79*	
32 17 23 13-0043	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	9.71	
		For 20 Mil Thickness, Add	*1.36*	
		For <10, Add	*0.99*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.66*	
		For >200, Deduct	*-1.32*	
32 17 23 13-0044	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	18.67	
		For 20 Mil Thickness, Add	*2.48*	
		For <10, Add	*1.98*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 200, Deduct	*-1.32*	
		For >200, Deduct	*-2.64*	
32 17 23 13-0045	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	21.90	
		For 20 Mil Thickness, Add	*3.10*	
		For <10, Add	*2.22*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 200, Deduct	*-1.48*	
		For >200, Deduct	*-2.96*	
32 17 23 13-0046	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	39.30	
		For 20 Mil Thickness, Add	*5.63*	
		For <10, Add	*3.95*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 200, Deduct	*-2.64*	
		For >200, Deduct	*-5.27*	
32 17 23 13-0047	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	52.42	
		For 20 Mil Thickness, Add	*7.44*	
		For <10, Add	*5.31*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 200, Deduct	*-3.54*	
		For >200, Deduct	*-7.08*	
32 17 23 13-0048	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	81.85	
		For 20 Mil Thickness, Add	*14.86*	
		For <10, Add	*6.58*	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 200, Deduct	*-4.39*	
		For >200, Deduct	*-8.77*	
32 17 23 13-0049	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	64.87	
		For 20 Mil Thickness, Add	*14.35*	
32 17 23 13-0050	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	260.22	
		For 20 Mil Thickness, Add	*68.56*	
32 17 23 13-0051	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	74.59	
		For 20 Mil Thickness, Add	*16.23*	
32 17 23 13-0052	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	78.30	
		For 20 Mil Thickness, Add	*16.07*	
32 17 23 13-0053	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	94.23	
		For 20 Mil Thickness, Add	*21.38*	
32 17 23 13-0054	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	145.68	
		For 20 Mil Thickness, Add	*37.84*	
32 17 23 13-0055	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	149.36	
		For 20 Mil Thickness, Add	*39.06*	
32 17 23 13-0056	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	204.57	
		For 20 Mil Thickness, Add	*57.10*	
32 17 23 13-0057	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	66.10	
		For 20 Mil Thickness, Add	*10.22*	
32 17 23 13-0058	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	85.81	
		For 20 Mil Thickness, Add	*16.79*	
32 17 23 13-0059	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	108.72	
		For 20 Mil Thickness, Add	*23.52*	
32 17 23 13-0060	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	111.35	
		For 20 Mil Thickness, Add	*24.39*	
32 17 23 13-0061	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	181.62	
		For 20 Mil Thickness, Add	*47.27*	
32 17 23 13-0062	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	161.12	
		For 20 Mil Thickness, Add	*41.89*	
32 17 23 13-0063	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	154.16	
		For 20 Mil Thickness, Add	*40.30*	

32 17 23 13-0064 Painted Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0065		**Painted Pavement Marking For Parking Areas** *(32 17 23 13-0064)*		
32 17 23 13-0066	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	0.80	
32 17 23 13-0067	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	0.88	
32 17 23 13-0068	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	0.94	
32 17 23 13-0069	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.05	
32 17 23 13-0070	SF	Solid Area, Painted Pavement Marking For Parking Areas	4.00	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0071	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	2.84	
		For Up To 10, Add	*0.38*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 200, Deduct	*-0.26*	
		For >200, Deduct	*-0.51*	
32 17 23 13-0072	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	4.86	
		For Up To 10, Add	*0.58*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 200, Deduct	*-0.39*	
		For >200, Deduct	*-0.77*	
32 17 23 13-0073	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	8.19	
		For Up To 10, Add	*0.96*	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 200, Deduct	*-0.64*	
		For >200, Deduct	*-1.28*	
32 17 23 13-0074	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	15.29	
		For Up To 10, Add	*1.83*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 200, Deduct	*-1.22*	
		For >200, Deduct	*-2.44*	
32 17 23 13-0075	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	20.24	
		For Up To 10, Add	*2.50*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 200, Deduct	*-1.67*	
		For >200, Deduct	*-3.33*	
32 17 23 13-0076	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	24.56	
		For Up To 10, Add	*3.08*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 200, Deduct	*-2.05*	
		For >200, Deduct	*-4.10*	
32 17 23 13-0077	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	33.03	
		For Up To 10, Add	*3.85*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 200, Deduct	*-2.57*	
		For >200, Deduct	*-5.13*	
32 17 23 13-0078	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas	59.87	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0079	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas	68.96	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0080	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	99.36	
		Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0081	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	101.45	
		Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0082	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	133.51	
		Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0083	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	24.06	
		Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
		For Blue Background With White Symbol, Add	*18.47*	
		For Blue Background With White Symbol And Border, Add	*23.09*	
32 17 23 13-0084	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	35.86	
		Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
		For Blue Background With White Symbol, Add	*38.46*	
		For Blue Background With White Symbol And Border, Add	*48.07*	
32 17 23 13-0085		**Painted Curbs** *(32 17 23 13)*		
		Note: All colors.		
32 17 23 13-0086	LF	Reflective Painted Curb	2.36	
32 17 23 13-0087	LF	Reflective Painted Curb And Gutter	4.55	
32 17 23 13-0088	LF	Painted Curb	1.93	
32 17 23 13-0089	LF	Painted Curb And Gutter	4.16	
32 17 23 13-0090		**Markings For Outdoor Play Areas, Courts** *(32 17 23 13)*		
32 17 23 13-0091	LF	2" Wide Marking For Outdoor Play Areas	0.71	
32 17 23 13-0092	LF	3" Wide Marking For Outdoor Play Areas	0.80	
32 17 23 13-0093	LF	4" Wide Marking For Outdoor Play Areas	0.91	
32 17 23 13-0094	LF	6" Wide Marking For Outdoor Play Areas	1.07	
32 17 23 13-0095	EA	Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	218.03	
32 17 23 23		**Raised Pavement Markings** *(32 17 23)*		
32 17 23 23-0001		**Raised Pavement Markers (RPMs)** *(32 17 23 23)*		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM)	3.86	2.09
		For >100, Deduct	*-0.39*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM)	4.06	2.09
		For >100, Deduct	*-0.41*	
32 17 23 23-0004	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	3.61	2.09
		For >100, Deduct	*-0.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 23-0005		Snowplowable Pavement Markers *(32 17 23 23)*		
32 17 23 23-0006	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail	50.99	23.22
32 17 23 23-0007	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	51.16	23.22
32 17 23 23-0008	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	14.13	
32 17 23 23-0009	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	18.18	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.11
		For Up To 5,000 LF, Add	*0.22*
		For >25,000 LF, Deduct	*-0.17*
		For 60 mils Thick, Deduct	*-0.16*
		For 125 mils Thick, Add	*0.20*
		For Broken Line, Deduct	*-0.68*
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.61
		For Up To 5,000 LF, Add	*0.32*
		For >25,000 LF, Deduct	*-0.24*
		For 60 mils Thick, Deduct	*-0.24*
		For 125 mils Thick, Add	*0.31*
		For Broken Line, Deduct	*-1.02*
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.13
		For Up To 5,000 LF, Add	*0.43*
		For >25,000 LF, Deduct	*-0.32*
		For 60 mils Thick, Deduct	*-0.32*
		For 125 mils Thick, Add	*0.41*
		For Broken Line, Deduct	*-1.36*
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.13
		For Up To 5,000 LF, Add	*0.63*
		For >25,000 LF, Deduct	*-0.47*
		For 60 mils Thick, Deduct	*-0.48*
		For 125 mils Thick, Add	*0.61*
		For Broken Line, Deduct	*-2.04*
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.12
		For Up To 5,000 LF, Add	*0.42*
		For >25,000 LF, Deduct	*-0.32*
		For 60 mils Thick, Deduct	*-0.32*
		For 125 mils Thick, Add	*0.41*
		For Broken Line On One Side, Deduct	*-0.68*
		For Double Broken Line, Deduct	*-1.36*
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.13
		For Up To 5,000 LF, Add	*0.63*
		For >25,000 LF, Deduct	*-0.47*
		For 60 mils Thick, Deduct	*-0.48*
		For 125 mils Thick, Add	*0.61*
		For Broken Line On One Side, Deduct	*-1.02*
		For Double Broken Line, Deduct	*-2.04*
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.55
		For 60 mils Thick, Deduct	*-0.47*
		For 125 mils Thick, Add	*0.61*
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	4.18
		For Up To 10, Add	*0.43*
		For >50 To 100, Deduct	*-0.22*
		For >100 To 200, Deduct	*-0.29*
		For >200, Deduct	*-0.58*
		For 60 mils Thick, Deduct	*-0.23*
		For 125 mils Thick, Add	*0.29*
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	9.04
		For Up To 10, Add	*0.65*
		For >50 To 100, Deduct	*-0.33*
		For >100 To 200, Deduct	*-0.44*
		For >200, Deduct	*-0.87*
		For 60 mils Thick, Deduct	*-0.82*
		For 125 mils Thick, Add	*1.05*
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	15.44
		For Up To 10, Add	*1.09*
		For >50 To 100, Deduct	*-0.54*
		For >100 To 200, Deduct	*-0.73*
		For >200, Deduct	*-1.45*
		For 60 mils Thick, Deduct	*-1.43*
		For 125 mils Thick, Add	*1.84*
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	28.95
		For Up To 10, Add	*2.18*
		For >50 To 100, Deduct	*-1.09*
		For >100 To 200, Deduct	*-1.46*
		For >200, Deduct	*-2.91*
		For 60 mils Thick, Deduct	*-2.52*
		For 125 mils Thick, Add	*3.24*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	35.02	
		For Up To 10, Add	*2.44*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-3.26*	
		For 60 mils Thick, Deduct	*-3.28*	
		For 125 mils Thick, Add	*4.21*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	63.20	
		For Up To 10, Add	*4.35*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-2.90*	
		For >200, Deduct	*-5.80*	
		For 60 mils Thick, Deduct	*-5.99*	
		For 125 mils Thick, Add	*7.70*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	83.94	
		For Up To 10, Add	*5.84*	
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 200, Deduct	*-3.89*	
		For >200, Deduct	*-7.79*	
		For 60 mils Thick, Deduct	*-7.88*	
		For 125 mils Thick, Add	*10.13*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	148.70	
		For Up To 10, Add	*7.23*	
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 200, Deduct	*-4.82*	
		For >200, Deduct	*-9.65*	
		For 60 mils Thick, Deduct	*-17.58*	
		For 125 mils Thick, Add	*22.61*	
32 17 23 33-0018	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	128.28	
		For 60 mils Thick, Deduct	*-17.96*	
		For 125 mils Thick, Add	*23.09*	
32 17 23 33-0019	EA	Railroad Crossing Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	577.27	
		For 60 mils Thick, Deduct	*-89.80*	
		For 125 mils Thick, Add	*115.46*	
32 17 23 33-0020	EA	Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	145.93	
		For 60 mils Thick, Deduct	*-20.21*	
		For 125 mils Thick, Add	*25.98*	
32 17 23 33-0021	EA	Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	147.65	
		For 60 mils Thick, Deduct	*-19.64*	
		For 125 mils Thick, Add	*25.26*	
32 17 23 33-0022	EA	Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	189.34	
		For 60 mils Thick, Deduct	*-26.94*	
		For 125 mils Thick, Add	*34.64*	
32 17 23 33-0023	EA	Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	320.06	
		For 60 mils Thick, Deduct	*-49.39*	
		For 125 mils Thick, Add	*63.50*	
32 17 23 33-0024	EA	Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	329.68	
		For 60 mils Thick, Deduct	*-51.07*	
		For 125 mils Thick, Add	*65.67*	
32 17 23 33-0025	EA	Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	472.09	
		For 60 mils Thick, Deduct	*-75.77*	
		For 125 mils Thick, Add	*97.42*	
32 17 23 33-0026	EA	Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 1-2/3' width x 12' height.	105.58	
		For 60 mils Thick, Deduct	*-11.18*	
		For 125 mils Thick, Add	*14.38*	
32 17 23 33-0027	EA	Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	157.15	
		For 60 mils Thick, Deduct	*-20.21*	
		For 125 mils Thick, Add	*25.98*	
32 17 23 33-0028	EA	Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	256.57	
		For 60 mils Thick, Deduct	*-37.04*	
		For 125 mils Thick, Add	*47.63*	
32 17 23 33-0029	EA	Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	269.40	
		For 60 mils Thick, Deduct	*-39.29*	
		For 125 mils Thick, Add	*50.51*	
32 17 23 33-0030	EA	Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 20' height.	399.60	
		For 60 mils Thick, Deduct	*-61.74*	
		For 125 mils Thick, Add	*79.38*	
32 17 23 33-0031	EA	Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	359.20	
		For 60 mils Thick, Deduct	*-55.56*	
		For 125 mils Thick, Add	*71.44*	
32 17 23 33-0032	EA	Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	500.95	
		For 60 mils Thick, Deduct	*-80.82*	
		For 125 mils Thick, Add	*103.91*	

32 17 23 33-0033 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0034	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.27	
		For 60 mils Thick, Deduct	*-0.16*	
		For 125 mils Thick, Add	*0.20*	
32 17 23 33-0035	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.90	
		For 60 mils Thick, Deduct	*-0.24*	
		For 125 mils Thick, Add	*0.31*	
32 17 23 33-0036	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.61	
		For 60 mils Thick, Deduct	*-0.32*	
		For 125 mils Thick, Add	*0.41*	
32 17 23 33-0037	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.21	
		For 60 mils Thick, Deduct	*-0.48*	
		For 125 mils Thick, Add	*0.61*	
32 17 23 33-0038	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	9.48	
		For 60 mils Thick, Deduct	*-0.95*	
		For 125 mils Thick, Add	*1.22*	

32 17 23 33-0039 Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0040	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	2.43	
		For Up To 5,000 LF, Add	*0.49*	
		For >25,000 LF, Deduct	*-0.36*	
32 17 23 33-0041	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	3.62	
		For Up To 5,000 LF, Add	*0.72*	
		For >25,000 LF, Deduct	*-0.54*	
32 17 23 33-0042	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	4.81	
		For Up To 5,000 LF, Add	*0.96*	
		For >25,000 LF, Deduct	*-0.72*	
32 17 23 33-0043	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	7.15	
		For Up To 5,000 LF, Add	*1.43*	
		For >25,000 LF, Deduct	*-1.07*	
32 17 23 33-0044	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	19.31	
32 17 23 33-0045	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	28.78	
		For <10, Add	*0.79*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 200, Deduct	*-0.53*	
		For >200, Deduct	*-1.05*	
32 17 23 33-0046	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	51.43	
		For <10, Add	*1.00*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.67*	
		For >200, Deduct	*-1.33*	
32 17 23 33-0047	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	87.95	
		For <10, Add	*1.98*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 200, Deduct	*-1.32*	
		For >200, Deduct	*-2.64*	
32 17 23 33-0048	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	125.21	
		For <10, Add	*3.96*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 200, Deduct	*-2.64*	
		For >200, Deduct	*-5.28*	
32 17 23 33-0049	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	147.08	
		For <10, Add	*4.44*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 200, Deduct	*-2.96*	
		For >200, Deduct	*-5.93*	
32 17 23 33-0050	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	184.74	
		For <10, Add	*7.91*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-5.27*	
		For >200, Deduct	*-10.54*	
32 17 23 33-0051	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	234.68	
		For <10, Add	*10.62*	
		For >50 To 100, Deduct	*-5.31*	
		For >100 To 200, Deduct	*-7.08*	
		For >200, Deduct	*-14.16*	
32 17 23 33-0052	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	294.42	
		For <10, Add	*13.16*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 200, Deduct	*-8.77*	
		For >200, Deduct	*-17.55*	
32 17 23 33-0053	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	19.82	
32 17 23 33-0054	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	20.78	

32 17 23 33-0055 Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0056	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	147.66	
32 17 23 33-0057	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	389.87	
32 17 23 33-0058	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	85.74	
32 17 23 33-0059	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	75.84	
32 17 23 33-0060	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	134.19	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0061	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	85.29	
32 17 23 33-0062	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	147.61	
32 17 23 33-0063	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	242.17	
32 17 23 33-0064	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	356.68	
32 17 23 33-0065	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	140.48	
32 17 23 33-0066	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	153.90	
32 17 23 33-0067	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	269.31	
32 17 23 33-0068	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	249.24	
32 17 23 33-0069	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	251.15	
32 17 23 33-0070	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	335.19	

32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*

32 17 23 33-0072 Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0071)*

Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0073	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	53.81	
32 17 23 33-0074	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	182.38	
32 17 23 33-0075	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	107.25	
32 17 23 33-0076	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	127.57	
32 17 23 33-0077	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	133.50	

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*

Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	45.79	7.33
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	36.26	7.33

32 17 26 00-0004 Cast Iron Detectable Warning Plates *(32 17 26)*

Note: Natural finish.

32 17 26 00-0005 Embedded, Cast Iron Detectable Warning Plates *(32 17 26 00-0004)*

Note: Includes bedding concrete.

32 17 26 00-0006	SY	Embedded, Cast Iron Detectable Warning Plates	412.24	

32 18 Athletic And Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001 Tile Playground Surface Material *(32 18 16 13)*

Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.

32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile	13.45	1.87
		For Manufacturer's Standard Colors, Add	*0.70*	
		For Mechanically Fastened, Add	*1.52*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile	13.80	1.99
		For Manufacturer's Standard Colors, Add	*0.70*	
		For Mechanically Fastened, Add	*1.59*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile	14.51	2.22
		For Manufacturer's Standard Colors, Add	*0.70*	
		For Mechanically Fastened, Add	*1.74*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile	15.21	2.46
		For Manufacturer's Standard Colors, Add	*0.70*	
		For Mechanically Fastened, Add	*1.88*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile	16.93	2.70
		For Manufacturer's Standard Colors, Add	*0.53*	
		For Mechanically Fastened, Add	*2.02*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile	17.70	2.95
		For Manufacturer's Standard Colors, Add	*0.53*	
		For Mechanically Fastened, Add	*2.17*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile	18.52	3.22
		For Manufacturer's Standard Colors, Add	*0.53*	
		For Mechanically Fastened, Add	*2.33*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile	20.28	3.45
		For Manufacturer's Standard Colors, Add	*0.30*	
		For Mechanically Fastened, Add	*2.48*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile	20.98	3.73
		For Manufacturer's Standard Colors, Add	*0.30*	
		For Mechanically Fastened, Add	*2.62*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile	21.75	3.93
		For Manufacturer's Standard Colors, Add	*0.30*	
		For Mechanically Fastened, Add	*2.78*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile	24.93	4.43
		For Manufacturer's Standard Colors, Add	*0.29*	
		For Mechanically Fastened, Add	*3.07*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Surface	1.21	0.28
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Surface	1.58	0.35
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Surface	1.99	0.42
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Surface	2.81	0.63
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Surface	2.50	0.28
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Surface	3.08	0.35
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Surface	4.91	0.42
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Surface	6.02	0.63
32 18 16 13-0022	SF	8" FIBAR System	10.28	1.05
		Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF	12" FIBAR System	13.00	1.41
		Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	12.10	2.24
		For Up To 2,000, Add	*2.87*	
		For >2,000 To 3,000, Add	*2.01*	
		For >3,000 To 4,000, Add	*1.36*	
		For >4,000 To 5,000, Add	*0.87*	
		For >5,000 To 7,000, Add	*0.36*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0026	SF	5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	12.48	2.48
		For Up To 2,000, Add	*2.96*	
		For >2,000 To 3,000, Add	*2.07*	
		For >3,000 To 4,000, Add	*1.40*	
		For >4,000 To 5,000, Add	*0.89*	
		For >5,000 To 7,000, Add	*0.37*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0027	SF	6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	13.48	2.84
		For Up To 2,000, Add	*3.20*	
		For >2,000 To 3,000, Add	*2.24*	
		For >3,000 To 4,000, Add	*1.52*	
		For >4,000 To 5,000, Add	*0.96*	
		For >5,000 To 7,000, Add	*0.40*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0028	SF	7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	14.56	3.02
		For Up To 2,000, Add	*3.45*	
		For >2,000 To 3,000, Add	*2.42*	
		For >3,000 To 4,000, Add	*1.64*	
		For >4,000 To 5,000, Add	*1.04*	
		For >5,000 To 7,000, Add	*0.43*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0029	SF	8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	15.63	3.17
		For Up To 2,000, Add	*3.71*	
		For >2,000 To 3,000, Add	*2.59*	
		For >3,000 To 4,000, Add	*1.76*	
		For >4,000 To 5,000, Add	*1.12*	
		For >5,000 To 7,000, Add	*0.46*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0030	SF	9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	16.55	3.35
		For Up To 2,000, Add	*3.92*	
		For >2,000 To 3,000, Add	*2.75*	
		For >3,000 To 4,000, Add	*1.86*	
		For >4,000 To 5,000, Add	*1.18*	
		For >5,000 To 7,000, Add	*0.49*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0031	SF	10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	17.63	3.54
		For Up To 2,000, Add	*4.18*	
		For >2,000 To 3,000, Add	*2.93*	
		For >3,000 To 4,000, Add	*1.98*	
		For >4,000 To 5,000, Add	*1.26*	
		For >5,000 To 7,000, Add	*0.52*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0032	SF	12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	19.76	3.97
		For Up To 2,000, Add	*4.68*	
		For >2,000 To 3,000, Add	*3.28*	
		For >3,000 To 4,000, Add	*2.22*	
		For >4,000 To 5,000, Add	*1.41*	
		For >5,000 To 7,000, Add	*0.58*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0033	SF	Top Only (1/2") Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	7.91	
		For Up To 2,000, Add	*2.87*	
		For >2,000 To 3,000, Add	*1.85*	
		For >3,000 To 4,000, Add	*1.12*	
		For >4,000 To 5,000, Add	*0.67*	
		For >5,000 To 7,000, Add	*0.30*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.45*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.34*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,202.75	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	6.49	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	5.76	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	3.77	
32 18 16 13-0039	CF	Sand/Ruber Infill (Sporturf)	40.35	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	4.45	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	15,739.73	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	12,829.36	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	3,860.69	
32 18 23 29-0009	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	1,425.48	
32 18 23 29-0010	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per endzone.	1,366.09	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields. Note: Block letter.	11,879.04	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	17,224.61	

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	5.07	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	16,036.80	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	13,304.60	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	4,157.69	
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	1,544.28	
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per endzone.	1,425.49	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	12,473.07	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	18,085.95	

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	5.20	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	16,333.78	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	14,373.72	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	4,454.67	
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	1,663.08	
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per endzone.	1,484.89	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	13,067.02	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	18,947.18	

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	6.04	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	16,927.63	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	18,056.14	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	5,048.59	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	1,900.65	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per endzone.	1,603.67	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	14,254.85	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	20,669.53	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	6.31	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,224.61	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	20,075.58	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	5,345.57	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	2,019.44	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per endzone.	1,663.07	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	14,848.80	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	21,530.76	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	6.33	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	17,521.58	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	20,194.37	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	5,642.54	
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	2,138.23	
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	1,722.46	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	15,442.75	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	22,391.99	
32 18 23 29-0059		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*		
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	6.48	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	17,818.56	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	21,501.06	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	5,939.52	
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	2,375.81	
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	1,781.86	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	16,036.70	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	23,253.22	
32 18 23 29-0068		Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*		
32 18 23 29-0069		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	4.80	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	15,145.87	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	11,166.36	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	3,266.76	
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	1,187.91	
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	1,247.31	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	10,691.20	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	15,502.24	
32 18 23 29-0078		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	4.26	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	15,442.75	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	11,879.04	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	3,563.71	
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	1,306.69	
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per endzone.	1,306.69	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	11,285.09	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	16,363.38	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0087		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	9.99	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	8.78	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	29,307.66	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	34,818.50	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	8,516.76	
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	3,256.41	
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields Note: Per endzone.	2,417.13	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	21,754.14	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	31,937.83	
32 18 23 29-0097		Synthetic Turf (G9 Turf) *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	6.17	
		For >35,000, Deduct	*-0.57*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	6.11	
		For >35,000, Deduct	*-0.56*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	6.37	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	40,514.32	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	17,556.20	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	17,556.20	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	17,556.20	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	17,556.20	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	2,025.72	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.90	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	4.95	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.41	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	0.71	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	1.17	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	1,350.48	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	13,504.77	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.44	
		For >10,000 To 30,000, Deduct	*-0.18*	
		For >30,000 To 60,000, Deduct	*-0.31*	
		For >60,000, Deduct	*-0.34*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	3.03	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	3.36	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on roof tops.	2.76	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	1.70	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	2,691.40	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	7.40	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	2.96	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	2.09	

32 30 Site Improvements *(32)*

32 31 Fences And Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)* Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0003		**Single Gate, Swing Gate Actuator** *(32 31 11 00-0002)*		
32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	1,383.37	172.50
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	1,833.33	172.50
32 31 11 00-0006		**Dual Gate, Swing Gate Actuator** *(32 31 11 00-0002)*		
32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	2,766.74	345.02
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	3,666.65	345.02
32 31 11 00-0009		**Swing Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0001)*		
32 31 11 00-0010		**Single Gate, Swing Gate Operators** *(32 31 11 00-0009)*		
32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.	2,790.92	172.50
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.	3,033.20	172.50
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.	4,106.16	172.50
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.	4,648.41	172.50
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015		**Dual Gate, Swing Gate Operators** *(32 31 11 00-0009)*		
32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.	4,947.29	345.02
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.	5,431.85	345.02
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.	7,566.24	345.02
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.	8,754.58	345.02
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020		**Sliding Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0001)* Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,248.67	172.50
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	3,182.96	207.01
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,990.57	207.01
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,242.14	241.51
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	6,488.16	241.51
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	8,910.76	276.01
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	15,088.96	276.01
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	25,749.16	310.51
32 31 11 00-0029		**Accessories For Gate Actuators And Operators (DKS™ DoorKing®)** *(32 31 11 00-0001)*		
32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	471.68	
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	919.13	
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	599.50	
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	656.96	
32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	587.74	
32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	420.45	
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators	8.19	
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators	6.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators	9.15	
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators	8.67	
32 31 11 00-0040	EA	Exterior Keypad Gate Operator (Linear AK-11)	443.38	100.14

32 31 11 00-0041 Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*

32 31 11 00-0042	EA	Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).	2,094.02	207.01
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*139.00*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*99.50*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*49.00*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*196.95*	
		For Each Additional 10' Chain, Add	*29.50*	

32 31 13 Chain Link Fences And Gates *(32 31)*

32 31 13 13 Chain Link Fences And Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0139 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.31
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.23
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.75
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.97
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.97
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.16
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.63
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.45
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	18.80
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.94
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.33
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	32.91

32 31 13 13-0015 Post Hole In Rock *(32 31 13 13-0001)*

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	55.28
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	16.15

32 31 13 13-0018 Fill For Post Holes *(32 31 13 13-0001)*

32 31 13 13-0019 Concrete Fill For Post Holes *(32 31 13 13-0018)*

32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	4.92
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	6.30
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	6.98
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	8.11
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	11.51
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	15.37
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	18.83
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	22.02
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	30.28
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	37.85
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	45.26
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	53.00

32 31 13 13-0032 Grout Fill For Post Holes *(32 31 13 13-0018)*

32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	5.73
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	7.38
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	8.08
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	9.18
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	12.89
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	17.20
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	21.00
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	24.44
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	33.00
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	40.64
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	48.07
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	55.74

32 31 13 13-0045 Compacted Earth Fill For Post Holes *(32 31 13 13-0018)*

32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	3.83
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.00
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	5.23
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	5.38
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	7.19
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	9.58
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	11.49
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	13.03

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	15.89	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	17.82	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	19.55	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	21.08	

32 31 13 13-0058 Chain Link Fence Assemblies *(32 31 13 13)*

32 31 13 13-0059 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 13-0058)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0607 for barb wire attachments.

32 31 13 13-0060 Galvanized *(32 31 13 13-0059)*

32 31 13 13-0061	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	24.63	2.76
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.77*	
		For 13 Gauge Fabric, Deduct	*-4.80*	
		For 11 Gauge Fabric, Deduct	*-2.80*	
		For 6 Gauge Fabric, Add	*4.41*	
		For 1" Mesh Fabric, Add	*6.01*	
		For 1-3/4" Mesh Fabric, Add	*2.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.20*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.60*	
		For Posts 8' On Centers, Add	*1.36*	
		For Posts 5' On Centers, Add	*5.14*	
		For Up To 100, Add	*4.78*	
		For >100 To 250, Add	*1.77*	
		For >2,500 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.77*	
		For 3/8" Non-Climbable Mesh, Add	*18.77*	
32 31 13 13-0062	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	25.60	2.76
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.83*	
		For 13 Gauge Fabric, Deduct	*-5.08*	
		For 11 Gauge Fabric, Deduct	*-2.97*	
		For 6 Gauge Fabric, Add	*4.66*	
		For 1" Mesh Fabric, Add	*6.36*	
		For 1-3/4" Mesh Fabric, Add	*2.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.27*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.69*	
		For Posts 8' On Centers, Add	*1.41*	
		For Posts 5' On Centers, Add	*5.32*	
		For Up To 100, Add	*4.94*	
		For >100 To 250, Add	*1.83*	
		For >2,500 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.83*	
		For 3/8" Non-Climbable Mesh, Add	*21.50*	
32 31 13 13-0063	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	26.44	2.76
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.88*	
		For 13 Gauge Fabric, Deduct	*-5.31*	
		For 11 Gauge Fabric, Deduct	*-3.10*	
		For 6 Gauge Fabric, Add	*4.87*	
		For 1" Mesh Fabric, Add	*6.65*	
		For 1-3/4" Mesh Fabric, Add	*2.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.77*	
		For Posts 8' On Centers, Add	*1.46*	
		For Posts 5' On Centers, Add	*5.48*	
		For Up To 100, Add	*5.08*	
		For >100 To 250, Add	*1.88*	
		For >2,500 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.88*	
		For 3/8" Non-Climbable Mesh, Add	*24.24*	
32 31 13 13-0064	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	28.42	2.76
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.00*	
		For 13 Gauge Fabric, Deduct	*-5.87*	
		For 11 Gauge Fabric, Deduct	*-3.43*	
		For 6 Gauge Fabric, Add	*5.39*	
		For 1" Mesh Fabric, Add	*7.35*	
		For 1-3/4" Mesh Fabric, Add	*2.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.47*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.96*	
		For Posts 8' On Centers, Add	*1.56*	
		For Posts 5' On Centers, Add	*5.86*	
		For Up To 100, Add	*5.42*	
		For >100 To 250, Add	*2.00*	
		For >2,500 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-2.00*	
		For 3/8" Non-Climbable Mesh, Add	*29.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0065	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.80	2.76
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.15*	
		For 13 Gauge Fabric, Deduct	*-6.44*	
		For 11 Gauge Fabric, Deduct	*-3.76*	
		For 6 Gauge Fabric, Add	*5.91*	
		For 1" Mesh Fabric, Add	*8.06*	
		For 1-3/4" Mesh Fabric, Add	*3.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.15*	
		For Posts 8' On Centers, Add	*1.69*	
		For Posts 5' On Centers, Add	*6.34*	
		For Up To 100, Add	*5.85*	
		For >100 To 250, Add	*2.15*	
		For >2,500 To 5,000, Deduct	*-1.08*	
		For >5,000, Deduct	*-2.15*	
		For 3/8" Non-Climbable Mesh, Add	*34.48*	
32 31 13 13-0066	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.02	4.15
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.24*	
		For 13 Gauge Fabric, Deduct	*-6.70*	
		For 11 Gauge Fabric, Deduct	*-3.92*	
		For 6 Gauge Fabric, Add	*6.15*	
		For 1" Mesh Fabric, Add	*8.39*	
		For 1-3/4" Mesh Fabric, Add	*3.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.68*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.24*	
		For Posts 8' On Centers, Add	*1.75*	
		For Posts 5' On Centers, Add	*6.59*	
		For Up To 100, Add	*6.08*	
		For >100 To 250, Add	*2.24*	
		For >2,500 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-2.24*	
		For 3/8" Non-Climbable Mesh, Add	*39.71*	
32 31 13 13-0067	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	36.21	4.84
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.49*	
		For 13 Gauge Fabric, Deduct	*-7.87*	
		For 11 Gauge Fabric, Deduct	*-4.60*	
		For 6 Gauge Fabric, Add	*7.23*	
		For 1" Mesh Fabric, Add	*9.85*	
		For 1-3/4" Mesh Fabric, Add	*3.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.97*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.63*	
		For Posts 8' On Centers, Add	*1.97*	
		For Posts 5' On Centers, Add	*7.40*	
		For Up To 100, Add	*6.79*	
		For >100 To 250, Add	*2.49*	
		For >2,500 To 5,000, Deduct	*-1.24*	
		For >5,000, Deduct	*-2.49*	
		For 3/8" Non-Climbable Mesh, Add	*45.00*	
32 31 13 13-0068	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	38.63	6.21
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.64*	
		For 13 Gauge Fabric, Deduct	*-8.49*	
		For 11 Gauge Fabric, Deduct	*-4.96*	
		For 6 Gauge Fabric, Add	*7.79*	
		For 1" Mesh Fabric, Add	*10.63*	
		For 1-3/4" Mesh Fabric, Add	*4.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.83*	
		For Posts 8' On Centers, Add	*2.10*	
		For Posts 5' On Centers, Add	*7.88*	
		For Up To 100, Add	*7.21*	
		For >100 To 250, Add	*2.64*	
		For >2,500 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-2.64*	
		For 3/8" Non-Climbable Mesh, Add	*49.58*	
32 31 13 13-0069	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	41.05	6.90
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.80*	
		For 13 Gauge Fabric, Deduct	*-9.10*	
		For 11 Gauge Fabric, Deduct	*-5.32*	
		For 6 Gauge Fabric, Add	*8.36*	
		For 1" Mesh Fabric, Add	*11.40*	
		For 1-3/4" Mesh Fabric, Add	*4.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.04*	
		For Posts 8' On Centers, Add	*2.23*	
		For Posts 5' On Centers, Add	*8.35*	
		For Up To 100, Add	*7.64*	
		For >100 To 250, Add	*2.80*	
		For >2,500 To 5,000, Deduct	*-1.40*	
		For >5,000, Deduct	*-2.80*	
		For 3/8" Non-Climbable Mesh, Add	*54.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0070	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	45.60	8.28
		For Each Additional Foot >12, Add	*3.36*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.08*	
		For 13 Gauge Fabric, Deduct	*-10.25*	
		For 11 Gauge Fabric, Deduct	*-5.99*	
		For 6 Gauge Fabric, Add	*9.41*	
		For 1" Mesh Fabric, Add	*12.84*	
		For 1-3/4" Mesh Fabric, Add	*5.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.57*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.42*	
		For Posts 8' On Centers, Add	*2.47*	
		For Posts 5' On Centers, Add	*9.25*	
		For Up To 100, Add	*8.45*	
		For >100 To 250, Add	*3.08*	
		For >2,500 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-3.08*	
		For 3/8" Non-Climbable Mesh, Add	*58.93*	

32 31 13 13-0071 Vinyl Coated *(32 31 13 13-0059)*

32 31 13 13-0072	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	27.41	2.76
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.44*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.93*	
		For 13 Gauge Fabric, Deduct	*-5.65*	
		For 11 Gauge Fabric, Deduct	*-3.30*	
		For 6 Gauge Fabric, Add	*5.18*	
		For 1" Mesh Fabric, Add	*7.07*	
		For 1-3/4" Mesh Fabric, Add	*2.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.89*	
		For Posts 8' On Centers, Add	*1.50*	
		For Posts 5' On Centers, Add	*5.66*	
		For Up To 100, Add	*5.23*	
		For >100 To 250, Add	*1.93*	
		For >2,500 To 5,000, Deduct	*-0.96*	
		For >5,000, Deduct	*-1.93*	
		For 3/8" Non-Climbable Mesh, Add	*27.10*	
32 31 13 13-0073	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	29.65	2.76
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.72*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.06*	
		For 13 Gauge Fabric, Deduct	*-6.30*	
		For 11 Gauge Fabric, Deduct	*-3.68*	
		For 6 Gauge Fabric, Add	*5.78*	
		For 1" Mesh Fabric, Add	*7.89*	
		For 1-3/4" Mesh Fabric, Add	*3.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.58*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.10*	
		For Posts 8' On Centers, Add	*1.62*	
		For Posts 5' On Centers, Add	*6.09*	
		For Up To 100, Add	*5.60*	
		For >100 To 250, Add	*2.06*	
		For >2,500 To 5,000, Deduct	*-1.03*	
		For >5,000, Deduct	*-2.06*	
		For 3/8" Non-Climbable Mesh, Add	*32.92*	
32 31 13 13-0074	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	33.29	2.76
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.15*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.28*	
		For 13 Gauge Fabric, Deduct	*-7.30*	
		For 11 Gauge Fabric, Deduct	*-4.27*	
		For 6 Gauge Fabric, Add	*6.71*	
		For 1" Mesh Fabric, Add	*9.14*	
		For 1-3/4" Mesh Fabric, Add	*3.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.83*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.44*	
		For Posts 8' On Centers, Add	*1.81*	
		For Posts 5' On Centers, Add	*6.79*	
		For Up To 100, Add	*6.22*	
		For >100 To 250, Add	*2.28*	
		For >2,500 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-2.28*	
		For 3/8" Non-Climbable Mesh, Add	*38.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0075	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	34.91	4.15
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.33*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.38*	
		For 13 Gauge Fabric, Deduct	*-7.71*	
		For 11 Gauge Fabric, Deduct	*-4.50*	
		For 6 Gauge Fabric, Add	*7.08*	
		For 1" Mesh Fabric, Add	*9.65*	
		For 1-3/4" Mesh Fabric, Add	*3.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.57*	
		For Posts 8' On Centers, Add	*1.90*	
		For Posts 5' On Centers, Add	*7.11*	
		For Up To 100, Add	*6.51*	
		For >100 To 250, Add	*2.38*	
		For >2,500 To 5,000, Deduct	*-1.19*	
		For >5,000, Deduct	*-2.38*	
		For 3/8" Non-Climbable Mesh, Add	*44.71*	
32 31 13 13-0076	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	39.58	4.84
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.90*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.66*	
		For 13 Gauge Fabric, Deduct	*-9.04*	
		For 11 Gauge Fabric, Deduct	*-5.28*	
		For 6 Gauge Fabric, Add	*8.30*	
		For 1" Mesh Fabric, Add	*11.32*	
		For 1-3/4" Mesh Fabric, Add	*4.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.26*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.02*	
		For Posts 8' On Centers, Add	*2.14*	
		For Posts 5' On Centers, Add	*8.01*	
		For Up To 100, Add	*7.29*	
		For >100 To 250, Add	*2.66*	
		For >2,500 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-2.66*	
		For 3/8" Non-Climbable Mesh, Add	*50.71*	
32 31 13 13-0077	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	42.25	6.21
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.21*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.82*	
		For 13 Gauge Fabric, Deduct	*-9.75*	
		For 11 Gauge Fabric, Deduct	*-5.69*	
		For 6 Gauge Fabric, Add	*8.95*	
		For 1" Mesh Fabric, Add	*12.20*	
		For 1-3/4" Mesh Fabric, Add	*4.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.25*	
		For Posts 8' On Centers, Add	*2.28*	
		For Posts 5' On Centers, Add	*8.53*	
		For Up To 100, Add	*7.76*	
		For >100 To 250, Add	*2.82*	
		For >2,500 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-2.82*	
		For 3/8" Non-Climbable Mesh, Add	*55.94*	
32 31 13 13-0078	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.92	6.90
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.51*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.99*	
		For 13 Gauge Fabric, Deduct	*-10.45*	
		For 11 Gauge Fabric, Deduct	*-6.10*	
		For 6 Gauge Fabric, Add	*9.59*	
		For 1" Mesh Fabric, Add	*13.08*	
		For 1-3/4" Mesh Fabric, Add	*5.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.62*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.49*	
		For Posts 8' On Centers, Add	*2.42*	
		For Posts 5' On Centers, Add	*9.05*	
		For Up To 100, Add	*8.22*	
		For >100 To 250, Add	*2.99*	
		For >2,500 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-2.99*	
		For 3/8" Non-Climbable Mesh, Add	*61.34*	
32 31 13 13-0079	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.00	8.28
		For Each Additional Foot >12, Add	*3.61*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.94*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.25*	
		For 13 Gauge Fabric, Deduct	*-11.44*	
		For 11 Gauge Fabric, Deduct	*-6.68*	
		For 6 Gauge Fabric, Add	*10.50*	
		For 1" Mesh Fabric, Add	*14.32*	
		For 1-3/4" Mesh Fabric, Add	*5.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.82*	
		For Posts 8' On Centers, Add	*2.64*	
		For Posts 5' On Centers, Add	*9.87*	
		For Up To 100, Add	*8.96*	
		For >100 To 250, Add	*3.25*	
		For >2,500 To 5,000, Deduct	*-1.63*	
		For >5,000, Deduct	*-3.25*	
		For 3/8" Non-Climbable Mesh, Add	*66.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0080		**Fence Posts** *(32 31 13 13)* Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0081		**Fence Posts** *(32 31 13 13-0080)*		
32 31 13 13-0082		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0081)* Note: Includes cap and accessories.		
32 31 13 13-0083	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	12.35	2.19
		For Each Top Rail Fitting, Add	*0.85*	
		For Curved Posts, Add	*2.03*	
32 31 13 13-0084	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	11.73	1.87
		For Each Top Rail Fitting, Add	*0.85*	
		For Curved Posts, Add	*1.97*	
32 31 13 13-0085	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	10.97	1.55
		For Each Top Rail Fitting, Add	*0.85*	
		For Curved Posts, Add	*1.89*	
32 31 13 13-0086	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	10.36	1.22
		For Each Top Rail Fitting, Add	*0.85*	
		For Curved Posts, Add	*1.83*	
32 31 13 13-0087	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	9.95	1.05
		For Each Top Rail Fitting, Add	*0.85*	
		For Curved Posts, Add	*1.79*	
32 31 13 13-0088	LF	1-7/8" Galvanized H-beam Post, >24' In Length	9.31	0.73
		For Each Top Rail Fitting, Add	*0.85*	
		For Curved Posts, Add	*1.72*	
32 31 13 13-0089		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0081)* Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0090	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	8.49	2.03
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.11*	
		For Vinyl Coated, Add	*2.66*	
		For Powder Coated, Add	*3.54*	
		For Aluminum Coated, Add	*5.54*	
		For Curved Posts, Add	*1.29*	
		For Schedule 20, Deduct	*-0.89*	
		For Schedule 80, Add	*2.53*	
32 31 13 13-0091	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	7.86	1.71
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.11*	
		For Vinyl Coated, Add	*2.66*	
		For Powder Coated, Add	*3.54*	
		For Aluminum Coated, Add	*5.54*	
		For Curved Posts, Add	*1.23*	
		For Schedule 20, Deduct	*-0.89*	
		For Schedule 80, Add	*2.47*	
32 31 13 13-0092	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	7.17	1.38
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.11*	
		For Vinyl Coated, Add	*2.66*	
		For Powder Coated, Add	*3.54*	
		For Aluminum Coated, Add	*5.54*	
		For Curved Posts, Add	*1.16*	
		For Schedule 20, Deduct	*-0.89*	
		For Schedule 80, Add	*2.40*	
32 31 13 13-0093	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	6.62	1.05
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.11*	
		For Vinyl Coated, Add	*2.66*	
		For Powder Coated, Add	*3.54*	
		For Aluminum Coated, Add	*5.54*	
		For Curved Posts, Add	*1.11*	
		For Schedule 20, Deduct	*-0.89*	
		For Schedule 80, Add	*2.35*	
32 31 13 13-0094	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	6.26	0.89
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.11*	
		For Vinyl Coated, Add	*2.66*	
		For Powder Coated, Add	*3.54*	
		For Aluminum Coated, Add	*5.54*	
		For Curved Posts, Add	*1.07*	
		For Schedule 20, Deduct	*-0.89*	
		For Schedule 80, Add	*2.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0095	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	5.87	0.73
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.11*	
		For Vinyl Coated, Add	*2.66*	
		For Powder Coated, Add	*3.54*	
		For Aluminum Coated, Add	*5.54*	
		For Curved Posts, Add	*1.03*	
		For Schedule 20, Deduct	*-0.89*	
		For Schedule 80, Add	*2.27*	

32 31 13 13-0096 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0081)*

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0097	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	9.61	2.12
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.35*	
		For Vinyl Coated, Add	*3.25*	
		For Powder Coated, Add	*4.33*	
		For Aluminum Coated, Add	*6.76*	
		For Curved Posts, Add	*1.50*	
		For Schedule 20, Deduct	*-1.08*	
		For Schedule 80, Add	*3.02*	
32 31 13 13-0098	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	9.05	1.79
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.35*	
		For Vinyl Coated, Add	*3.25*	
		For Powder Coated, Add	*4.33*	
		For Aluminum Coated, Add	*6.76*	
		For Curved Posts, Add	*1.45*	
		For Schedule 20, Deduct	*-1.08*	
		For Schedule 80, Add	*2.96*	
32 31 13 13-0099	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	8.31	1.46
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.35*	
		For Vinyl Coated, Add	*3.25*	
		For Powder Coated, Add	*4.33*	
		For Aluminum Coated, Add	*6.76*	
		For Curved Posts, Add	*1.37*	
		For Schedule 20, Deduct	*-1.08*	
		For Schedule 80, Add	*2.89*	
32 31 13 13-0100	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	7.74	1.14
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.35*	
		For Vinyl Coated, Add	*3.25*	
		For Powder Coated, Add	*4.33*	
		For Aluminum Coated, Add	*6.76*	
		For Curved Posts, Add	*1.32*	
		For Schedule 20, Deduct	*-1.08*	
		For Schedule 80, Add	*2.83*	
32 31 13 13-0101	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	7.34	0.98
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.35*	
		For Vinyl Coated, Add	*3.25*	
		For Powder Coated, Add	*4.33*	
		For Aluminum Coated, Add	*6.76*	
		For Curved Posts, Add	*1.28*	
		For Schedule 20, Deduct	*-1.08*	
		For Schedule 80, Add	*2.79*	
32 31 13 13-0102	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	6.98	0.81
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.35*	
		For Vinyl Coated, Add	*3.25*	
		For Powder Coated, Add	*4.33*	
		For Aluminum Coated, Add	*6.76*	
		For Curved Posts, Add	*1.24*	
		For Schedule 20, Deduct	*-1.08*	
		For Schedule 80, Add	*2.75*	

32 31 13 13-0103 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0081)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0104	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	11.62	2.27
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.80*	
		For Vinyl Coated, Add	*4.31*	
		For Powder Coated, Add	*5.75*	
		For Aluminum Coated, Add	*8.99*	
		For Curved Posts, Add	*1.88*	
		For Schedule 20, Deduct	*-1.44*	
		For Schedule 80, Add	*3.89*	
32 31 13 13-0105	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	11.00	1.95
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.80*	
		For Vinyl Coated, Add	*4.31*	
		For Powder Coated, Add	*5.75*	
		For Aluminum Coated, Add	*8.99*	
		For Curved Posts, Add	*1.82*	
		For Schedule 20, Deduct	*-1.44*	
		For Schedule 80, Add	*3.83*	
32 31 13 13-0106	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	10.24	1.55
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.80*	
		For Vinyl Coated, Add	*4.31*	
		For Powder Coated, Add	*5.75*	
		For Aluminum Coated, Add	*8.99*	
		For Curved Posts, Add	*1.74*	
		For Schedule 20, Deduct	*-1.44*	
		For Schedule 80, Add	*3.76*	
32 31 13 13-0107	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	9.63	1.22
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.80*	
		For Vinyl Coated, Add	*4.31*	
		For Powder Coated, Add	*5.75*	
		For Aluminum Coated, Add	*8.99*	
		For Curved Posts, Add	*1.68*	
		For Schedule 20, Deduct	*-1.44*	
		For Schedule 80, Add	*3.70*	
32 31 13 13-0108	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	9.22	1.05
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.80*	
		For Vinyl Coated, Add	*4.31*	
		For Powder Coated, Add	*5.75*	
		For Aluminum Coated, Add	*8.99*	
		For Curved Posts, Add	*1.64*	
		For Schedule 20, Deduct	*-1.44*	
		For Schedule 80, Add	*3.65*	
32 31 13 13-0109	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	8.84	0.81
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.80*	
		For Vinyl Coated, Add	*4.31*	
		For Powder Coated, Add	*5.75*	
		For Aluminum Coated, Add	*8.99*	
		For Curved Posts, Add	*1.60*	
		For Schedule 20, Deduct	*-1.44*	
		For Schedule 80, Add	*3.62*	

32 31 13 13-0110 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0081)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0111	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	15.62	2.44
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.69*	
		For Vinyl Coated, Add	*6.45*	
		For Powder Coated, Add	*8.60*	
		For Aluminum Coated, Add	*13.44*	
		For Curved Posts, Add	*2.64*	
		For Schedule 20, Deduct	*-2.15*	
		For Schedule 80, Add	*5.65*	
32 31 13 13-0112	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	14.95	2.12
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.69*	
		For Vinyl Coated, Add	*6.45*	
		For Powder Coated, Add	*8.60*	
		For Aluminum Coated, Add	*13.44*	
		For Curved Posts, Add	*2.57*	
		For Schedule 20, Deduct	*-2.15*	
		For Schedule 80, Add	*5.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0113	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.14	1.71
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.69*	
		For Vinyl Coated, Add	*6.45*	
		For Powder Coated, Add	*8.60*	
		For Aluminum Coated, Add	*13.44*	
		For Curved Posts, Add	*2.49*	
		For Schedule 20, Deduct	*-2.15*	
		For Schedule 80, Add	*5.50*	
32 31 13 13-0114	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.46	1.38
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.69*	
		For Vinyl Coated, Add	*6.45*	
		For Powder Coated, Add	*8.60*	
		For Aluminum Coated, Add	*13.44*	
		For Curved Posts, Add	*2.42*	
		For Schedule 20, Deduct	*-2.15*	
		For Schedule 80, Add	*5.43*	
32 31 13 13-0115	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	13.01	1.14
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.69*	
		For Vinyl Coated, Add	*6.45*	
		For Powder Coated, Add	*8.60*	
		For Aluminum Coated, Add	*13.44*	
		For Curved Posts, Add	*2.38*	
		For Schedule 20, Deduct	*-2.15*	
		For Schedule 80, Add	*5.39*	
32 31 13 13-0116	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	12.58	0.89
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.69*	
		For Vinyl Coated, Add	*6.45*	
		For Powder Coated, Add	*8.60*	
		For Aluminum Coated, Add	*13.44*	
		For Curved Posts, Add	*2.33*	
		For Schedule 20, Deduct	*-2.15*	
		For Schedule 80, Add	*5.34*	

32 31 13 13-0117 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0081)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0118	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	22.60	2.60
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.37*	
		For Vinyl Coated, Add	*10.48*	
		For Powder Coated, Add	*13.98*	
		For Aluminum Coated, Add	*21.84*	
		For Curved Posts, Add	*4.01*	
		For Schedule 20, Deduct	*-3.49*	
		For Schedule 80, Add	*8.90*	
32 31 13 13-0119	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	21.75	2.12
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.37*	
		For Vinyl Coated, Add	*10.48*	
		For Powder Coated, Add	*13.98*	
		For Aluminum Coated, Add	*21.84*	
		For Curved Posts, Add	*3.92*	
		For Schedule 20, Deduct	*-3.49*	
		For Schedule 80, Add	*8.81*	
32 31 13 13-0120	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	21.04	1.79
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.37*	
		For Vinyl Coated, Add	*10.48*	
		For Powder Coated, Add	*13.98*	
		For Aluminum Coated, Add	*21.84*	
		For Curved Posts, Add	*3.85*	
		For Schedule 20, Deduct	*-3.49*	
		For Schedule 80, Add	*8.74*	
32 31 13 13-0121	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	20.32	1.46
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.37*	
		For Vinyl Coated, Add	*10.48*	
		For Powder Coated, Add	*13.98*	
		For Aluminum Coated, Add	*21.84*	
		For Curved Posts, Add	*3.78*	
		For Schedule 20, Deduct	*-3.49*	
		For Schedule 80, Add	*8.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0122	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	20.32	1.46
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.37*	
		For Vinyl Coated, Add	*10.48*	
		For Powder Coated, Add	*13.98*	
		For Aluminum Coated, Add	*21.84*	
		For Curved Posts, Add	*3.78*	
		For Schedule 20, Deduct	*-3.49*	
		For Schedule 80, Add	*8.67*	
32 31 13 13-0123	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	19.50	1.05
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.37*	
		For Vinyl Coated, Add	*10.48*	
		For Powder Coated, Add	*13.98*	
		For Aluminum Coated, Add	*21.84*	
		For Curved Posts, Add	*3.70*	
		For Schedule 20, Deduct	*-3.49*	
		For Schedule 80, Add	*8.59*	

32 31 13 13-0124 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0081)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0125	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	42.74	2.84
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.26*	
		For Vinyl Coated, Add	*22.22*	
		For Powder Coated, Add	*29.63*	
		For Aluminum Coated, Add	*46.30*	
		For Curved Posts, Add	*7.98*	
		For Schedule 20, Deduct	*-7.41*	
		For Schedule 80, Add	*18.35*	
32 31 13 13-0126	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	41.82	2.36
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.26*	
		For Vinyl Coated, Add	*22.22*	
		For Powder Coated, Add	*29.63*	
		For Aluminum Coated, Add	*46.30*	
		For Curved Posts, Add	*7.89*	
		For Schedule 20, Deduct	*-7.41*	
		For Schedule 80, Add	*18.26*	
32 31 13 13-0127	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	41.00	1.95
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.26*	
		For Vinyl Coated, Add	*22.22*	
		For Powder Coated, Add	*29.63*	
		For Aluminum Coated, Add	*46.30*	
		For Curved Posts, Add	*7.80*	
		For Schedule 20, Deduct	*-7.41*	
		For Schedule 80, Add	*18.18*	
32 31 13 13-0128	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	40.21	1.55
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.26*	
		For Vinyl Coated, Add	*22.22*	
		For Powder Coated, Add	*29.63*	
		For Aluminum Coated, Add	*46.30*	
		For Curved Posts, Add	*7.73*	
		For Schedule 20, Deduct	*-7.41*	
		For Schedule 80, Add	*18.10*	
32 31 13 13-0129	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.75	1.38
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.26*	
		For Vinyl Coated, Add	*22.22*	
		For Powder Coated, Add	*29.63*	
		For Aluminum Coated, Add	*46.30*	
		For Curved Posts, Add	*7.68*	
		For Schedule 20, Deduct	*-7.41*	
		For Schedule 80, Add	*18.05*	
32 31 13 13-0130	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	39.30	1.14
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.26*	
		For Vinyl Coated, Add	*22.22*	
		For Powder Coated, Add	*29.63*	
		For Aluminum Coated, Add	*46.30*	
		For Curved Posts, Add	*7.63*	
		For Schedule 20, Deduct	*-7.41*	
		For Schedule 80, Add	*18.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0131		**Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)** *(32 31 13 13-0081)* Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0132	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	82.23	3.17
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.98*	
		For Vinyl Coated, Add	*45.54*	
		For Powder Coated, Add	*60.72*	
		For Aluminum Coated, Add	*94.88*	
		For Curved Posts, Add	*15.81*	
		For Schedule 20, Deduct	*-15.18*	
		For Schedule 80, Add	*37.07*	
32 31 13 13-0133	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	81.20	2.68
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.98*	
		For Vinyl Coated, Add	*45.54*	
		For Powder Coated, Add	*60.72*	
		For Aluminum Coated, Add	*94.88*	
		For Curved Posts, Add	*15.71*	
		For Schedule 20, Deduct	*-15.18*	
		For Schedule 80, Add	*36.96*	
32 31 13 13-0134	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	80.29	2.19
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.98*	
		For Vinyl Coated, Add	*45.54*	
		For Powder Coated, Add	*60.72*	
		For Aluminum Coated, Add	*94.88*	
		For Curved Posts, Add	*15.62*	
		For Schedule 20, Deduct	*-15.18*	
		For Schedule 80, Add	*36.87*	
32 31 13 13-0135	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	79.38	1.71
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.98*	
		For Vinyl Coated, Add	*45.54*	
		For Powder Coated, Add	*60.72*	
		For Aluminum Coated, Add	*94.88*	
		For Curved Posts, Add	*15.53*	
		For Schedule 20, Deduct	*-15.18*	
		For Schedule 80, Add	*36.78*	
32 31 13 13-0136	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	78.91	1.46
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.98*	
		For Vinyl Coated, Add	*45.54*	
		For Powder Coated, Add	*60.72*	
		For Aluminum Coated, Add	*94.88*	
		For Curved Posts, Add	*15.48*	
		For Schedule 20, Deduct	*-15.18*	
		For Schedule 80, Add	*36.73*	
32 31 13 13-0137	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	78.41	1.22
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.98*	
		For Vinyl Coated, Add	*45.54*	
		For Powder Coated, Add	*60.72*	
		For Aluminum Coated, Add	*94.88*	
		For Curved Posts, Add	*15.43*	
		For Schedule 20, Deduct	*-15.18*	
		For Schedule 80, Add	*36.68*	
32 31 13 13-0138		**Rails** *(32 31 13 13)* Note: Includes rail end fittings.		
32 31 13 13-0139		**SS-20 Chain Link Fence Rails** *(32 31 13 13-0138)* Note: Includes tie wires.		
32 31 13 13-0140	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	4.41	0.89
		For SS15, Deduct	*-0.25*	
		For SS40, Add	*0.64*	
32 31 13 13-0141	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	5.26	0.89
		For SS40, Add	*0.34*	
		For Powder Coated, Add	*0.68*	
		For Aluminum Coated, Add	*1.36*	
32 31 13 13-0142	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	5.41	1.02
		For SS15, Deduct	*-0.34*	
		For SS40, Add	*0.85*	
32 31 13 13-0143	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	6.55	1.02
		For SS40, Add	*0.45*	
		For Powder Coated, Add	*0.90*	
		For Aluminum Coated, Add	*1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0144	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	6.33	1.14
		For SS40, Add	*1.02*	
32 31 13 13-0145	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	7.69	1.14
		For SS40, Add	*0.54*	
		For Powder Coated, Add	*1.08*	
		For Aluminum Coated, Add	*2.17*	

32 31 13 13-0146 Fabric *(32 31 13 13)*

32 31 13 13-0147 Fabric, Galvanized Chain Link *(32 31 13 13-0146)*

32 31 13 13-0148	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	7.67	1.62
		For 1-1/4" Mesh Fabric, Add	*0.67*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.60*	
		For 13 Gauge Fabric, Deduct	*-1.08*	
		For 11 Gauge Fabric, Deduct	*-0.60*	
		For 6 Gauge Fabric, Add	*1.91*	
		For 1" Mesh Fabric, Add	*1.79*	
		For 1-1/4" Mesh Fabric, Add	*1.20*	
		For 1-3/4" Mesh Fabric, Add	*0.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.36*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.48*	
		For 3/8" Non-Climbable Mesh, Add	*19.56*	
32 31 13 13-0149	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.47	1.83
		For 1-1/4" Mesh Fabric, Add	*0.78*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.70*	
		For 13 Gauge Fabric, Deduct	*-1.26*	
		For 11 Gauge Fabric, Deduct	*-0.70*	
		For 6 Gauge Fabric, Add	*2.23*	
		For 1" Mesh Fabric, Add	*2.09*	
		For 1-1/4" Mesh Fabric, Add	*1.40*	
		For 1-3/4" Mesh Fabric, Add	*0.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.56*	
		For 3/8" Non-Climbable Mesh, Add	*22.34*	
32 31 13 13-0150	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.16	2.03
		For 1-1/4" Mesh Fabric, Add	*0.86*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.77*	
		For 13 Gauge Fabric, Deduct	*-1.38*	
		For 11 Gauge Fabric, Deduct	*-0.77*	
		For 6 Gauge Fabric, Add	*2.46*	
		For 1" Mesh Fabric, Add	*2.30*	
		For 1-1/4" Mesh Fabric, Add	*1.54*	
		For 1-3/4" Mesh Fabric, Add	*0.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.46*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.61*	
		For 3/8" Non-Climbable Mesh, Add	*25.15*	
32 31 13 13-0151	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	10.33	2.44
		For 1-1/4" Mesh Fabric, Add	*1.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.96*	
		For 13 Gauge Fabric, Deduct	*-1.72*	
		For 11 Gauge Fabric, Deduct	*-0.96*	
		For 6 Gauge Fabric, Add	*3.06*	
		For 1" Mesh Fabric, Add	*2.87*	
		For 1-1/4" Mesh Fabric, Add	*1.92*	
		For 1-3/4" Mesh Fabric, Add	*1.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.57*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.77*	
		For 3/8" Non-Climbable Mesh, Add	*30.31*	
32 31 13 13-0152	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.57	2.84
		For 1-1/4" Mesh Fabric, Add	*1.29*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.15*	
		For 13 Gauge Fabric, Deduct	*-2.07*	
		For 11 Gauge Fabric, Deduct	*-1.15*	
		For 6 Gauge Fabric, Add	*3.68*	
		For 1" Mesh Fabric, Add	*3.45*	
		For 1-1/4" Mesh Fabric, Add	*2.30*	
		For 1-3/4" Mesh Fabric, Add	*1.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.69*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.92*	
		For 3/8" Non-Climbable Mesh, Add	*35.54*	
32 31 13 13-0153	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.86	3.25
		For 1-1/4" Mesh Fabric, Add	*1.50*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.34*	
		For 13 Gauge Fabric, Deduct	*-2.41*	
		For 11 Gauge Fabric, Deduct	*-1.34*	
		For 6 Gauge Fabric, Add	*4.29*	
		For 1" Mesh Fabric, Add	*4.02*	
		For 1-1/4" Mesh Fabric, Add	*2.68*	
		For 1-3/4" Mesh Fabric, Add	*1.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.07*	
		For 3/8" Non-Climbable Mesh, Add	*40.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0154	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.26	4.06
		For 1-1/4" Mesh Fabric, Add	*1.72*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.53*	
		For 13 Gauge Fabric, Deduct	*-2.76*	
		For 11 Gauge Fabric, Deduct	*-1.53*	
		For 6 Gauge Fabric, Add	*4.90*	
		For 1" Mesh Fabric, Add	*4.60*	
		For 1-1/4" Mesh Fabric, Add	*3.07*	
		For 1-3/4" Mesh Fabric, Add	*1.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.23*	
		For 3/8" Non-Climbable Mesh, Add	*46.23*	
32 31 13 13-0155	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.92	4.47
		For 1-1/4" Mesh Fabric, Add	*2.23*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.99*	
		For 13 Gauge Fabric, Deduct	*-3.58*	
		For 11 Gauge Fabric, Deduct	*-1.99*	
		For 6 Gauge Fabric, Add	*6.37*	
		For 1" Mesh Fabric, Add	*5.97*	
		For 1-1/4" Mesh Fabric, Add	*3.98*	
		For 1-3/4" Mesh Fabric, Add	*2.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.59*	
		For 3/8" Non-Climbable Mesh, Add	*55.67*	
32 31 13 13-0156	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	19.29	4.87
		For 1-1/4" Mesh Fabric, Add	*2.67*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.39*	
		For 13 Gauge Fabric, Deduct	*-4.29*	
		For 11 Gauge Fabric, Deduct	*-2.39*	
		For 6 Gauge Fabric, Add	*7.63*	
		For 1" Mesh Fabric, Add	*7.16*	
		For 1-1/4" Mesh Fabric, Add	*4.77*	
		For 1-3/4" Mesh Fabric, Add	*2.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.91*	
		For 3/8" Non-Climbable Mesh, Add	*60.39*	
32 31 13 13-0157	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.63	5.68
		For 1-1/4" Mesh Fabric, Add	*2.87*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.56*	
		For 13 Gauge Fabric, Deduct	*-4.61*	
		For 11 Gauge Fabric, Deduct	*-2.56*	
		For 6 Gauge Fabric, Add	*8.20*	
		For 1" Mesh Fabric, Add	*7.69*	
		For 1-1/4" Mesh Fabric, Add	*5.13*	
		For 1-3/4" Mesh Fabric, Add	*3.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.54*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.05*	
		For 3/8" Non-Climbable Mesh, Add	*65.96*	
32 31 13 13-0158	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	23.95	6.50
		For 1-1/4" Mesh Fabric, Add	*3.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.74*	
		For 13 Gauge Fabric, Deduct	*-4.93*	
		For 11 Gauge Fabric, Deduct	*-2.74*	
		For 6 Gauge Fabric, Add	*8.76*	
		For 1" Mesh Fabric, Add	*8.21*	
		For 1-1/4" Mesh Fabric, Add	*5.48*	
		For 1-3/4" Mesh Fabric, Add	*3.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.64*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.19*	
		For 3/8" Non-Climbable Mesh, Add	*71.52*	

32 31 13 13-0159 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0146)*

32 31 13 13-0160	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.13	1.62
		For 1-1/4" Mesh Fabric, Add	*1.13*	
		For 13 Gauge Fabric, Deduct	*-1.82*	
		For 11 Gauge Fabric, Deduct	*-1.01*	
		For 6 Gauge Fabric, Add	*3.23*	
		For 1" Mesh Fabric, Add	*3.03*	
		For 1-1/4" Mesh Fabric, Add	*2.02*	
		For 1-3/4" Mesh Fabric, Add	*1.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.81*	
		For Aluminum Coated, Add	*1.62*	
		For 3/8" Non-Climbable Mesh, Add	*28.01*	
32 31 13 13-0161	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	11.55	2.44
		For 1-1/4" Mesh Fabric, Add	*1.41*	
		For 13 Gauge Fabric, Deduct	*-2.27*	
		For 11 Gauge Fabric, Deduct	*-1.26*	
		For 6 Gauge Fabric, Add	*4.04*	
		For 1" Mesh Fabric, Add	*3.79*	
		For 1-1/4" Mesh Fabric, Add	*2.53*	
		For 1-3/4" Mesh Fabric, Add	*1.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.01*	
		For Aluminum Coated, Add	*2.02*	
		For 3/8" Non-Climbable Mesh, Add	*33.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0162	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.06	2.84
		For 1-1/4" Mesh Fabric, Add	*1.99*	
		For 13 Gauge Fabric, Deduct	*-3.19*	
		For 11 Gauge Fabric, Deduct	*-1.77*	
		For 6 Gauge Fabric, Add	*5.67*	
		For 1" Mesh Fabric, Add	*5.32*	
		For 1-1/4" Mesh Fabric, Add	*3.55*	
		For 1-3/4" Mesh Fabric, Add	*2.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.06*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.42*	
		For Aluminum Coated, Add	*2.84*	
		For 3/8" Non-Climbable Mesh, Add	*39.82*	
32 31 13 13-0163	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.75	3.25
		For 1-1/4" Mesh Fabric, Add	*2.31*	
		For 13 Gauge Fabric, Deduct	*-3.71*	
		For 11 Gauge Fabric, Deduct	*-2.06*	
		For 6 Gauge Fabric, Add	*6.60*	
		For 1" Mesh Fabric, Add	*6.19*	
		For 1-1/4" Mesh Fabric, Add	*4.13*	
		For 1-3/4" Mesh Fabric, Add	*2.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.65*	
		For Aluminum Coated, Add	*3.30*	
		For 3/8" Non-Climbable Mesh, Add	*45.83*	
32 31 13 13-0164	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.63	4.06
		For 1-1/4" Mesh Fabric, Add	*2.66*	
		For 13 Gauge Fabric, Deduct	*-4.28*	
		For 11 Gauge Fabric, Deduct	*-2.38*	
		For 6 Gauge Fabric, Add	*7.60*	
		For 1" Mesh Fabric, Add	*7.13*	
		For 1-1/4" Mesh Fabric, Add	*4.75*	
		For 1-3/4" Mesh Fabric, Add	*2.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.90*	
		For Aluminum Coated, Add	*3.80*	
		For 3/8" Non-Climbable Mesh, Add	*51.94*	
32 31 13 13-0165	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.79	4.47
		For 1-1/4" Mesh Fabric, Add	*3.31*	
		For 13 Gauge Fabric, Deduct	*-5.32*	
		For 11 Gauge Fabric, Deduct	*-2.96*	
		For 6 Gauge Fabric, Add	*9.46*	
		For 1" Mesh Fabric, Add	*8.87*	
		For 1-1/4" Mesh Fabric, Add	*5.92*	
		For 1-3/4" Mesh Fabric, Add	*3.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.77*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.37*	
		For Aluminum Coated, Add	*4.73*	
		For 3/8" Non-Climbable Mesh, Add	*62.68*	
32 31 13 13-0166	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.69	4.87
		For 1-1/4" Mesh Fabric, Add	*3.62*	
		For 13 Gauge Fabric, Deduct	*-5.82*	
		For 11 Gauge Fabric, Deduct	*-3.24*	
		For 6 Gauge Fabric, Add	*10.35*	
		For 1" Mesh Fabric, Add	*9.71*	
		For 1-1/4" Mesh Fabric, Add	*6.47*	
		For 1-3/4" Mesh Fabric, Add	*3.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.94*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.59*	
		For Aluminum Coated, Add	*5.18*	
		For 3/8" Non-Climbable Mesh, Add	*67.99*	
32 31 13 13-0167	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.62	5.68
		For 1-1/4" Mesh Fabric, Add	*3.99*	
		For 13 Gauge Fabric, Deduct	*-6.41*	
		For 11 Gauge Fabric, Deduct	*-3.56*	
		For 6 Gauge Fabric, Add	*11.39*	
		For 1" Mesh Fabric, Add	*10.68*	
		For 1-1/4" Mesh Fabric, Add	*7.12*	
		For 1-3/4" Mesh Fabric, Add	*4.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.85*	
		For Aluminum Coated, Add	*5.70*	
		For 3/8" Non-Climbable Mesh, Add	*74.15*	
32 31 13 13-0168	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	28.60	6.50
		For 1-1/4" Mesh Fabric, Add	*4.37*	
		For 13 Gauge Fabric, Deduct	*-7.02*	
		For 11 Gauge Fabric, Deduct	*-3.90*	
		For 6 Gauge Fabric, Add	*12.48*	
		For 1" Mesh Fabric, Add	*11.70*	
		For 1-1/4" Mesh Fabric, Add	*7.80*	
		For 1-3/4" Mesh Fabric, Add	*4.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.12*	
		For Aluminum Coated, Add	*6.24*	
		For 3/8" Non-Climbable Mesh, Add	*80.30*	

32 31 13 13-0169 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0146)*

32 31 13 13-0170	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.84	1.62
		For 6 Gauge Fabric, Add	*2.05*	
		For 1" Mesh Fabric, Add	*2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0171	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.66	1.83
		For 6 Gauge Fabric, Add	*2.38*	
		For 1" Mesh Fabric, Add	*3.13*	
32 31 13 13-0172	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.50	2.03
		For 6 Gauge Fabric, Add	*2.73*	
		For 1" Mesh Fabric, Add	*3.58*	
32 31 13 13-0173	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.76	2.44
		For 6 Gauge Fabric, Add	*3.41*	
		For 1" Mesh Fabric, Add	*4.47*	
32 31 13 13-0174	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.06	2.84
		For 6 Gauge Fabric, Add	*4.07*	
		For 1" Mesh Fabric, Add	*5.34*	
32 31 13 13-0175	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.45	3.25
		For 6 Gauge Fabric, Add	*4.76*	
		For 1" Mesh Fabric, Add	*6.25*	
32 31 13 13-0176	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.93	4.06
		For 6 Gauge Fabric, Add	*5.44*	
		For 1" Mesh Fabric, Add	*7.14*	
32 31 13 13-0177	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.46	4.47
		For 6 Gauge Fabric, Add	*6.80*	
		For 1" Mesh Fabric, Add	*8.93*	
32 31 13 13-0178	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.95	4.87
		For 6 Gauge Fabric, Add	*8.16*	
		For 1" Mesh Fabric, Add	*10.71*	

32 31 13 13-0179 Fabric, All Aluminum Chain Link *(32 31 13 13-0146)*

32 31 13 13-0180	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	11.98	1.62
		For 6 Gauge Fabric, Add	*5.36*	
		For 1" Mesh Fabric, Add	*7.04*	
32 31 13 13-0181	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	13.50	1.83
		For 6 Gauge Fabric, Add	*6.26*	
		For 1" Mesh Fabric, Add	*8.21*	
32 31 13 13-0182	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	15.02	2.03
		For 6 Gauge Fabric, Add	*7.14*	
		For 1" Mesh Fabric, Add	*9.38*	
32 31 13 13-0183	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	17.67	2.44
		For 6 Gauge Fabric, Add	*8.94*	
		For 1" Mesh Fabric, Add	*11.73*	
32 31 13 13-0184	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.37	2.84
		For 6 Gauge Fabric, Add	*10.72*	
		For 1" Mesh Fabric, Add	*14.07*	
32 31 13 13-0185	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	23.13	3.25
		For 6 Gauge Fabric, Add	*12.50*	
		For 1" Mesh Fabric, Add	*16.41*	
32 31 13 13-0186	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	26.00	4.06
		For 6 Gauge Fabric, Add	*14.30*	
		For 1" Mesh Fabric, Add	*18.76*	
32 31 13 13-0187	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	31.29	4.47
		For 6 Gauge Fabric, Add	*17.86*	
		For 1" Mesh Fabric, Add	*23.45*	
32 31 13 13-0188	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	36.55	4.87
		For 6 Gauge Fabric, Add	*21.44*	
		For 1" Mesh Fabric, Add	*28.14*	

32 31 13 13-0189 Fence Inserts *(32 31 13 13-0146)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0190 Vinyl Plastic Fence Inserts *(32 31 13 13-0189)*

Note: Assorted colors.

32 31 13 13-0191	LF	3' High Fence, Vinyl Plastic Fence Insert	6.35
32 31 13 13-0192	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	7.27
32 31 13 13-0193	LF	4' High Fence, Vinyl Plastic Fence Insert	8.03
32 31 13 13-0194	LF	5' High Fence, Vinyl Plastic Fence Insert	10.06
32 31 13 13-0195	LF	6' High Fence, Vinyl Plastic Fence Insert	12.04
32 31 13 13-0196	LF	7' High Fence, Vinyl Plastic Fence Insert	14.08
32 31 13 13-0197	LF	8' High Fence, Vinyl Plastic Fence Insert	16.04
32 31 13 13-0198	LF	10' High Fence, Vinyl Plastic Fence Insert	19.20

32 31 13 13-0199 Aluminum Fence Inserts *(32 31 13 13-0189)*

Note: Assorted colors.

32 31 13 13-0200	LF	3' High Fence, Aluminum Fence Insert	20.84
32 31 13 13-0201	LF	3-1/2' High Fence, Aluminum Fence Insert	22.89
32 31 13 13-0202	LF	4' High Fence, Aluminum Fence Insert	26.17
32 31 13 13-0203	LF	5' High Fence, Aluminum Fence Insert	32.76
32 31 13 13-0204	LF	6' High Fence, Aluminum Fence Insert	39.29
32 31 13 13-0205	LF	7' High Fence, Aluminum Fence Insert	42.88
32 31 13 13-0206	LF	8' High Fence, Aluminum Fence Insert	52.38
32 31 13 13-0207	LF	10' High Fence, Aluminum Fence Insert	64.93

32 31 13 13-0208 Redwood Fence Inserts *(32 31 13 13-0189)*

32 31 13 13-0209	LF	4' High Fence, Redwood Fence Insert	11.38
32 31 13 13-0210	LF	5' High Fence, Redwood Fence Insert	14.38
32 31 13 13-0211	LF	6' High Fence, Redwood Fence Insert	17.27
32 31 13 13-0212	LF	7' High Fence, Redwood Fence Insert	20.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0213	LF	8' High Fence, Redwood Fence Insert	23.01	

32 31 13 13-0214 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0189)*

32 31 13 13-0215	SF	Diagonal Polyethylene Fence Weave	2.53	

32 31 13 13-0216 Hedge Link Fence Inserts *(32 31 13 13-0189)*

32 31 13 13-0217	LF	3' High Fence, Hedge Link Fence Insert	13.09	
32 31 13 13-0218	LF	3-1/2' High Fence, Hedge Link Fence Insert	14.90	
32 31 13 13-0219	LF	4' High Fence, Hedge Link Fence Insert	17.60	
32 31 13 13-0220	LF	5' High Fence, Hedge Link Fence Insert	21.74	
32 31 13 13-0221	LF	6' High Fence, Hedge Link Fence Insert	24.98	
32 31 13 13-0222	LF	7' High Fence, Hedge Link Fence Insert	31.32	
32 31 13 13-0223	LF	8' High Fence, Hedge Link Fence Insert	35.59	
32 31 13 13-0224	LF	10' High Fence, Hedge Link Fence Insert	42.39	
32 31 13 13-0225	LF	12' High Fence, Hedge Link Fence Insert	48.60	

32 31 13 13-0226 Fence Windscreen Fabric *(32 31 13 13-0146)*

Note: Includes plastic wire clips.

32 31 13 13-0227	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.14	0.43
		For Sewn Boxed Vent (Each), Add	*16.15*	
		For Welded Boxed Vent (Each), Add	*8.07*	
		For 4' x 4' One Color Logo (Each), Add	*336.42*	

32 31 13 13-0228 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0229 Galvanized Steel Without Barbed Wire *(32 31 13 13-0228)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0230 4' Fence Height *(32 31 13 13-0229)*

32 31 13 13-0231	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	207.92	18.32
		For Gate With Single Barb Wire Arm, Add	*16.58*	
		For Gate With Double Barb Wire Arm, Add	*24.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.25*	
		For Aluminized Steel Gate And Post, Add	*72.33*	
		For Powder Coated Gate And Post, Add	*39.18*	
		For 1" Mesh Fabric, Add	*65.55*	
		For 1-1/4" Mesh Fabric, Add	*42.19*	
		For 1-3/4" Mesh Fabric, Add	*26.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.11*	
32 31 13 13-0232	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	258.15	19.08
		For Gate With Single Barb Wire Arm, Add	*22.10*	
		For Gate With Double Barb Wire Arm, Add	*32.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.67*	
		For Aluminized Steel Gate And Post, Add	*96.44*	
		For Powder Coated Gate And Post, Add	*52.24*	
		For 1" Mesh Fabric, Add	*87.40*	
		For 1-1/4" Mesh Fabric, Add	*56.26*	
		For 1-3/4" Mesh Fabric, Add	*34.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.48*	
32 31 13 13-0233	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	303.63	20.30
		For Gate With Single Barb Wire Arm, Add	*26.68*	
		For Gate With Double Barb Wire Arm, Add	*38.81*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.48*	
		For Aluminized Steel Gate And Post, Add	*116.44*	
		For Powder Coated Gate And Post, Add	*63.07*	
		For 1" Mesh Fabric, Add	*105.52*	
		For 1-1/4" Mesh Fabric, Add	*67.92*	
		For 1-3/4" Mesh Fabric, Add	*42.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.10*	
32 31 13 13-0234	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	357.49	24.42
		For Gate With Single Barb Wire Arm, Add	*31.27*	
		For Gate With Double Barb Wire Arm, Add	*45.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.29*	
		For Aluminized Steel Gate And Post, Add	*136.43*	
		For Powder Coated Gate And Post, Add	*73.90*	
		For 1" Mesh Fabric, Add	*123.64*	
		For 1-1/4" Mesh Fabric, Add	*79.58*	
		For 1-3/4" Mesh Fabric, Add	*49.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.73*	
32 31 13 13-0235	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	411.36	28.46
		For Gate With Single Barb Wire Arm, Add	*35.85*	
		For Gate With Double Barb Wire Arm, Add	*52.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.10*	
		For Aluminized Steel Gate And Post, Add	*156.43*	
		For Powder Coated Gate And Post, Add	*84.73*	
		For 1" Mesh Fabric, Add	*141.76*	
		For 1-1/4" Mesh Fabric, Add	*91.25*	
		For 1-3/4" Mesh Fabric, Add	*56.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0236	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	466.93	32.50
		For Gate With Single Barb Wire Arm, Add	*40.62*	
		For Gate With Double Barb Wire Arm, Add	*59.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.24*	
		For Aluminized Steel Gate And Post, Add	*177.24*	
		For Powder Coated Gate And Post, Add	*96.01*	
		For 1" Mesh Fabric, Add	*160.63*	
		For 1-1/4" Mesh Fabric, Add	*103.39*	
		For 1-3/4" Mesh Fabric, Add	*64.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.13*	
32 31 13 13-0237	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	520.80	36.63
		For Gate With Single Barb Wire Arm, Add	*45.20*	
		For Gate With Double Barb Wire Arm, Add	*65.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.05*	
		For Aluminized Steel Gate And Post, Add	*197.24*	
		For Powder Coated Gate And Post, Add	*106.84*	
		For 1" Mesh Fabric, Add	*178.75*	
		For 1-1/4" Mesh Fabric, Add	*115.06*	
		For 1-3/4" Mesh Fabric, Add	*71.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.75*	
32 31 13 13-0238	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	575.40	40.67
		For Gate With Single Barb Wire Arm, Add	*49.86*	
		For Gate With Double Barb Wire Arm, Add	*72.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.00*	
		For Aluminized Steel Gate And Post, Add	*217.59*	
		For Powder Coated Gate And Post, Add	*117.86*	
		For 1" Mesh Fabric, Add	*197.19*	
		For 1-1/4" Mesh Fabric, Add	*126.93*	
		For 1-3/4" Mesh Fabric, Add	*78.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.44*	
32 31 13 13-0239	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	724.87	40.67
		For Gate With Single Barb Wire Arm, Add	*66.30*	
		For Gate With Double Barb Wire Arm, Add	*96.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.02*	
		For Aluminized Steel Gate And Post, Add	*289.33*	
		For Powder Coated Gate And Post, Add	*156.72*	
		For 1" Mesh Fabric, Add	*262.20*	
		For 1-1/4" Mesh Fabric, Add	*168.78*	
		For 1-3/4" Mesh Fabric, Add	*104.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.44*	
32 31 13 13-0240	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	854.15	43.58
		For Gate With Single Barb Wire Arm, Add	*79.57*	
		For Gate With Double Barb Wire Arm, Add	*115.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.62*	
		For Aluminized Steel Gate And Post, Add	*347.20*	
		For Powder Coated Gate And Post, Add	*188.07*	
		For 1" Mesh Fabric, Add	*314.65*	
		For 1-1/4" Mesh Fabric, Add	*202.53*	
		For 1-3/4" Mesh Fabric, Add	*125.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.93*	
32 31 13 13-0241	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	984.76	46.93
		For Gate With Single Barb Wire Arm, Add	*92.83*	
		For Gate With Double Barb Wire Arm, Add	*135.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.23*	
		For Aluminized Steel Gate And Post, Add	*405.06*	
		For Powder Coated Gate And Post, Add	*219.41*	
		For 1" Mesh Fabric, Add	*367.09*	
		For 1-1/4" Mesh Fabric, Add	*236.29*	
		For 1-3/4" Mesh Fabric, Add	*146.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-73.42*	
32 31 13 13-0242	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,117.06	50.82
		For Gate With Single Barb Wire Arm, Add	*106.09*	
		For Gate With Double Barb Wire Arm, Add	*154.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-180.83*	
		For Aluminized Steel Gate And Post, Add	*462.93*	
		For Powder Coated Gate And Post, Add	*250.75*	
		For 1" Mesh Fabric, Add	*419.53*	
		For 1-1/4" Mesh Fabric, Add	*270.04*	
		For 1-3/4" Mesh Fabric, Add	*167.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.91*	
32 31 13 13-0243	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,267.66	60.79
		For Gate With Single Barb Wire Arm, Add	*119.35*	
		For Gate With Double Barb Wire Arm, Add	*173.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-203.44*	
		For Aluminized Steel Gate And Post, Add	*520.80*	
		For Powder Coated Gate And Post, Add	*282.10*	
		For 1" Mesh Fabric, Add	*471.97*	
		For 1-1/4" Mesh Fabric, Add	*303.80*	
		For 1-3/4" Mesh Fabric, Add	*188.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-94.39*	
32 31 13 13-0244	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,401.27	65.17
		For Gate With Single Barb Wire Arm, Add	*132.61*	
		For Gate With Double Barb Wire Arm, Add	*192.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.04*	
		For Aluminized Steel Gate And Post, Add	*578.66*	
		For Powder Coated Gate And Post, Add	*313.44*	
		For 1" Mesh Fabric, Add	*524.41*	
		For 1-1/4" Mesh Fabric, Add	*337.55*	
		For 1-3/4" Mesh Fabric, Add	*209.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0245	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,533.93	70.22
		For Gate With Single Barb Wire Arm, Add	*145.55*	
		For Gate With Double Barb Wire Arm, Add	*211.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.09*	
		For Aluminized Steel Gate And Post, Add	*635.12*	
		For Powder Coated Gate And Post, Add	*344.02*	
		For 1" Mesh Fabric, Add	*575.57*	
		For 1-1/4" Mesh Fabric, Add	*370.48*	
		For 1-3/4" Mesh Fabric, Add	*230.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.11*	
32 31 13 13-0246	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,669.12	76.04
		For Gate With Single Barb Wire Arm, Add	*158.49*	
		For Gate With Double Barb Wire Arm, Add	*230.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-270.15*	
		For Aluminized Steel Gate And Post, Add	*691.57*	
		For Powder Coated Gate And Post, Add	*374.60*	
		For 1" Mesh Fabric, Add	*626.74*	
		For 1-1/4" Mesh Fabric, Add	*403.42*	
		For 1-3/4" Mesh Fabric, Add	*250.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-125.35*	
32 31 13 13-0247	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,807.49	82.97
		For Gate With Single Barb Wire Arm, Add	*171.42*	
		For Gate With Double Barb Wire Arm, Add	*249.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-292.20*	
		For Aluminized Steel Gate And Post, Add	*748.03*	
		For Powder Coated Gate And Post, Add	*405.18*	
		For 1" Mesh Fabric, Add	*677.90*	
		For 1-1/4" Mesh Fabric, Add	*436.35*	
		For 1-3/4" Mesh Fabric, Add	*271.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.58*	
32 31 13 13-0248	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,905.91	91.28
		For Gate With Single Barb Wire Arm, Add	*179.51*	
		For Gate With Double Barb Wire Arm, Add	*261.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-305.98*	
		For Aluminized Steel Gate And Post, Add	*783.31*	
		For Powder Coated Gate And Post, Add	*424.29*	
		For 1" Mesh Fabric, Add	*709.88*	
		For 1-1/4" Mesh Fabric, Add	*456.93*	
		For 1-3/4" Mesh Fabric, Add	*283.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-141.98*	
32 31 13 13-0249	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,112.77	101.38
		For Gate With Single Barb Wire Arm, Add	*198.92*	
		For Gate With Double Barb Wire Arm, Add	*289.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-339.06*	
		For Aluminized Steel Gate And Post, Add	*867.99*	
		For Powder Coated Gate And Post, Add	*470.16*	
		For 1" Mesh Fabric, Add	*786.62*	
		For 1-1/4" Mesh Fabric, Add	*506.33*	
		For 1-3/4" Mesh Fabric, Add	*314.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-157.32*	

32 31 13 13-0250 5' Fence Height *(32 31 13 13-0229)*

32 31 13 13-0251	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	247.27	20.30
		For Gate With Single Barb Wire Arm, Add	*20.48*	
		For Gate With Double Barb Wire Arm, Add	*29.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.92*	
		For Aluminized Steel Gate And Post, Add	*89.39*	
		For Powder Coated Gate And Post, Add	*48.42*	
		For 1" Mesh Fabric, Add	*81.01*	
		For 1-1/4" Mesh Fabric, Add	*52.14*	
		For 1-3/4" Mesh Fabric, Add	*32.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.20*	
32 31 13 13-0252	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	308.53	20.30
		For Gate With Single Barb Wire Arm, Add	*27.22*	
		For Gate With Double Barb Wire Arm, Add	*39.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.40*	
		For Aluminized Steel Gate And Post, Add	*118.79*	
		For Powder Coated Gate And Post, Add	*64.34*	
		For 1" Mesh Fabric, Add	*107.65*	
		For 1-1/4" Mesh Fabric, Add	*69.29*	
		For 1-3/4" Mesh Fabric, Add	*43.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.53*	
32 31 13 13-0253	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	358.91	21.60
		For Gate With Single Barb Wire Arm, Add	*32.34*	
		For Gate With Double Barb Wire Arm, Add	*47.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.13*	
		For Aluminized Steel Gate And Post, Add	*141.14*	
		For Powder Coated Gate And Post, Add	*76.45*	
		For 1" Mesh Fabric, Add	*127.91*	
		For 1-1/4" Mesh Fabric, Add	*82.33*	
		For 1-3/4" Mesh Fabric, Add	*51.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0254	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	420.89	25.94
		For Gate With Single Barb Wire Arm, Add	*37.73*	
		For Gate With Double Barb Wire Arm, Add	*54.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.32*	
		For Aluminized Steel Gate And Post, Add	*164.66*	
		For Powder Coated Gate And Post, Add	*89.19*	
		For 1" Mesh Fabric, Add	*149.22*	
		For 1-1/4" Mesh Fabric, Add	*96.05*	
		For 1-3/4" Mesh Fabric, Add	*59.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.84*	
32 31 13 13-0255	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	477.96	30.22
		For Gate With Single Barb Wire Arm, Add	*42.59*	
		For Gate With Double Barb Wire Arm, Add	*61.94*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.59*	
		For Aluminized Steel Gate And Post, Add	*185.83*	
		For Powder Coated Gate And Post, Add	*100.66*	
		For 1" Mesh Fabric, Add	*168.41*	
		For 1-1/4" Mesh Fabric, Add	*108.40*	
		For 1-3/4" Mesh Fabric, Add	*67.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.68*	
32 31 13 13-0256	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	540.70	34.80
		For Gate With Single Barb Wire Arm, Add	*47.98*	
		For Gate With Double Barb Wire Arm, Add	*69.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.78*	
		For Aluminized Steel Gate And Post, Add	*209.35*	
		For Powder Coated Gate And Post, Add	*113.40*	
		For 1" Mesh Fabric, Add	*189.73*	
		For 1-1/4" Mesh Fabric, Add	*122.12*	
		For 1-3/4" Mesh Fabric, Add	*75.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.95*	
32 31 13 13-0257	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	600.22	39.15
		For Gate With Single Barb Wire Arm, Add	*53.10*	
		For Gate With Double Barb Wire Arm, Add	*77.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-90.51*	
		For Aluminized Steel Gate And Post, Add	*231.70*	
		For Powder Coated Gate And Post, Add	*125.50*	
		For 1" Mesh Fabric, Add	*209.98*	
		For 1-1/4" Mesh Fabric, Add	*135.16*	
		For 1-3/4" Mesh Fabric, Add	*83.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.00*	
32 31 13 13-0258	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	659.75	43.42
		For Gate With Single Barb Wire Arm, Add	*58.22*	
		For Gate With Double Barb Wire Arm, Add	*84.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-99.24*	
		For Aluminized Steel Gate And Post, Add	*254.04*	
		For Powder Coated Gate And Post, Add	*137.61*	
		For 1" Mesh Fabric, Add	*230.23*	
		For 1-1/4" Mesh Fabric, Add	*148.19*	
		For 1-3/4" Mesh Fabric, Add	*92.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.05*	
32 31 13 13-0259	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	877.67	43.58
		For Gate With Single Barb Wire Arm, Add	*82.15*	
		For Gate With Double Barb Wire Arm, Add	*119.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-140.03*	
		For Aluminized Steel Gate And Post, Add	*358.49*	
		For Powder Coated Gate And Post, Add	*194.18*	
		For 1" Mesh Fabric, Add	*324.88*	
		For 1-1/4" Mesh Fabric, Add	*209.12*	
		For 1-3/4" Mesh Fabric, Add	*129.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.98*	
32 31 13 13-0260	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,037.69	46.93
		For Gate With Single Barb Wire Arm, Add	*98.65*	
		For Gate With Double Barb Wire Arm, Add	*143.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.15*	
		For Aluminized Steel Gate And Post, Add	*430.47*	
		For Powder Coated Gate And Post, Add	*233.17*	
		For 1" Mesh Fabric, Add	*390.11*	
		For 1-1/4" Mesh Fabric, Add	*251.11*	
		For 1-3/4" Mesh Fabric, Add	*156.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-78.02*	
32 31 13 13-0261	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,199.39	50.82
		For Gate With Single Barb Wire Arm, Add	*115.14*	
		For Gate With Double Barb Wire Arm, Add	*167.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-196.27*	
		For Aluminized Steel Gate And Post, Add	*502.45*	
		For Powder Coated Gate And Post, Add	*272.16*	
		For 1" Mesh Fabric, Add	*455.34*	
		For 1-1/4" Mesh Fabric, Add	*293.10*	
		For 1-3/4" Mesh Fabric, Add	*182.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.07*	
32 31 13 13-0262	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,379.40	60.79
		For Gate With Single Barb Wire Arm, Add	*131.64*	
		For Gate With Double Barb Wire Arm, Add	*191.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.39*	
		For Aluminized Steel Gate And Post, Add	*574.43*	
		For Powder Coated Gate And Post, Add	*311.15*	
		For 1" Mesh Fabric, Add	*520.58*	
		For 1-1/4" Mesh Fabric, Add	*335.08*	
		For 1-3/4" Mesh Fabric, Add	*208.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0263	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,539.46	65.17
		For Gate With Single Barb Wire Arm, Add	*147.81*	
		For Gate With Double Barb Wire Arm, Add	*215.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-251.95*	
		For Aluminized Steel Gate And Post, Add	*645.00*	
		For Powder Coated Gate And Post, Add	*349.37*	
		For 1" Mesh Fabric, Add	*584.53*	
		For 1-1/4" Mesh Fabric, Add	*376.25*	
		For 1-3/4" Mesh Fabric, Add	*233.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.91*	
32 31 13 13-0264	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,707.41	70.22
		For Gate With Single Barb Wire Arm, Add	*164.63*	
		For Gate With Double Barb Wire Arm, Add	*239.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.62*	
		For Aluminized Steel Gate And Post, Add	*718.39*	
		For Powder Coated Gate And Post, Add	*389.13*	
		For 1" Mesh Fabric, Add	*651.04*	
		For 1-1/4" Mesh Fabric, Add	*419.06*	
		For 1-3/4" Mesh Fabric, Add	*260.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-130.21*	
32 31 13 13-0265	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,874.94	76.04
		For Gate With Single Barb Wire Arm, Add	*181.13*	
		For Gate With Double Barb Wire Arm, Add	*263.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-308.74*	
		For Aluminized Steel Gate And Post, Add	*790.37*	
		For Powder Coated Gate And Post, Add	*428.12*	
		For 1" Mesh Fabric, Add	*716.27*	
		For 1-1/4" Mesh Fabric, Add	*461.05*	
		For 1-3/4" Mesh Fabric, Add	*286.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-143.25*	
32 31 13 13-0266	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,042.72	82.97
		For Gate With Single Barb Wire Arm, Add	*197.30*	
		For Gate With Double Barb Wire Arm, Add	*286.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-336.30*	
		For Aluminized Steel Gate And Post, Add	*860.94*	
		For Powder Coated Gate And Post, Add	*466.34*	
		For 1" Mesh Fabric, Add	*780.22*	
		For 1-1/4" Mesh Fabric, Add	*502.21*	
		For 1-3/4" Mesh Fabric, Add	*312.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-156.04*	
32 31 13 13-0267	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,220.53	91.28
		For Gate With Single Barb Wire Arm, Add	*214.12*	
		For Gate With Double Barb Wire Arm, Add	*311.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-364.97*	
		For Aluminized Steel Gate And Post, Add	*934.33*	
		For Powder Coated Gate And Post, Add	*506.10*	
		For 1" Mesh Fabric, Add	*846.74*	
		For 1-1/4" Mesh Fabric, Add	*545.03*	
		For 1-3/4" Mesh Fabric, Add	*338.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-169.35*	
32 31 13 13-0268	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,399.07	101.38
		For Gate With Single Barb Wire Arm, Add	*230.41*	
		For Gate With Double Barb Wire Arm, Add	*335.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-392.74*	
		For Aluminized Steel Gate And Post, Add	*1,005.42*	
		For Powder Coated Gate And Post, Add	*544.60*	
		For 1" Mesh Fabric, Add	*911.16*	
		For 1-1/4" Mesh Fabric, Add	*586.49*	
		For 1-3/4" Mesh Fabric, Add	*364.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-182.23*	
32 31 13 13-0269	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,583.06	114.06
		For Gate With Single Barb Wire Arm, Add	*246.46*	
		For Gate With Double Barb Wire Arm, Add	*358.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.10*	
		For Aluminized Steel Gate And Post, Add	*1,075.46*	
		For Powder Coated Gate And Post, Add	*582.54*	
		For 1" Mesh Fabric, Add	*974.64*	
		For 1-1/4" Mesh Fabric, Add	*627.35*	
		For 1-3/4" Mesh Fabric, Add	*389.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.93*	

32 31 13 13-0270 6' Fence Height *(32 31 13 13-0229)*

32 31 13 13-0271	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	265.10	21.75
		For Gate With Single Barb Wire Arm, Add	*21.97*	
		For Gate With Double Barb Wire Arm, Add	*31.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.44*	
		For Aluminized Steel Gate And Post, Add	*95.86*	
		For Powder Coated Gate And Post, Add	*51.92*	
		For 1" Mesh Fabric, Add	*86.87*	
		For 1-1/4" Mesh Fabric, Add	*55.92*	
		For 1-3/4" Mesh Fabric, Add	*34.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0272	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	331.26	21.75
		For Gate With Single Barb Wire Arm, Add	*29.24*	
		For Gate With Double Barb Wire Arm, Add	*42.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.85*	
		For Aluminized Steel Gate And Post, Add	*127.61*	
		For Powder Coated Gate And Post, Add	*69.12*	
		For 1" Mesh Fabric, Add	*115.65*	
		For 1-1/4" Mesh Fabric, Add	*74.44*	
		For 1-3/4" Mesh Fabric, Add	*46.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.13*	
32 31 13 13-0273	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	385.90	23.12
		For Gate With Single Barb Wire Arm, Add	*34.81*	
		For Gate With Double Barb Wire Arm, Add	*50.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.34*	
		For Aluminized Steel Gate And Post, Add	*151.90*	
		For Powder Coated Gate And Post, Add	*82.28*	
		For 1" Mesh Fabric, Add	*137.66*	
		For 1-1/4" Mesh Fabric, Add	*88.61*	
		For 1-3/4" Mesh Fabric, Add	*55.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.53*	
32 31 13 13-0274	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	449.03	27.93
		For Gate With Single Barb Wire Arm, Add	*40.16*	
		For Gate With Double Barb Wire Arm, Add	*58.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.45*	
		For Aluminized Steel Gate And Post, Add	*175.24*	
		For Powder Coated Gate And Post, Add	*94.92*	
		For 1" Mesh Fabric, Add	*158.81*	
		For 1-1/4" Mesh Fabric, Add	*102.23*	
		For 1-3/4" Mesh Fabric, Add	*63.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.76*	
32 31 13 13-0275	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	514.99	32.81
		For Gate With Single Barb Wire Arm, Add	*45.82*	
		For Gate With Double Barb Wire Arm, Add	*66.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.10*	
		For Aluminized Steel Gate And Post, Add	*199.94*	
		For Powder Coated Gate And Post, Add	*108.30*	
		For 1" Mesh Fabric, Add	*181.20*	
		For 1-1/4" Mesh Fabric, Add	*116.63*	
		For 1-3/4" Mesh Fabric, Add	*72.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.24*	
32 31 13 13-0276	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	577.73	37.39
		For Gate With Single Barb Wire Arm, Add	*51.21*	
		For Gate With Double Barb Wire Arm, Add	*74.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.29*	
		For Aluminized Steel Gate And Post, Add	*223.47*	
		For Powder Coated Gate And Post, Add	*121.05*	
		For 1" Mesh Fabric, Add	*202.52*	
		For 1-1/4" Mesh Fabric, Add	*130.36*	
		For 1-3/4" Mesh Fabric, Add	*81.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.50*	
32 31 13 13-0277	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	641.24	42.20
		For Gate With Single Barb Wire Arm, Add	*56.60*	
		For Gate With Double Barb Wire Arm, Add	*82.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.48*	
		For Aluminized Steel Gate And Post, Add	*246.99*	
		For Powder Coated Gate And Post, Add	*133.79*	
		For 1" Mesh Fabric, Add	*223.83*	
		For 1-1/4" Mesh Fabric, Add	*144.08*	
		For 1-3/4" Mesh Fabric, Add	*89.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.77*	
32 31 13 13-0278	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	682.68	47.01
		For Gate With Single Barb Wire Arm, Add	*59.57*	
		For Gate With Double Barb Wire Arm, Add	*86.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.54*	
		For Aluminized Steel Gate And Post, Add	*259.93*	
		For Powder Coated Gate And Post, Add	*140.80*	
		For 1" Mesh Fabric, Add	*235.56*	
		For 1-1/4" Mesh Fabric, Add	*151.63*	
		For 1-3/4" Mesh Fabric, Add	*94.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.11*	
32 31 13 13-0279	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	937.72	46.93
		For Gate With Single Barb Wire Arm, Add	*87.65*	
		For Gate With Double Barb Wire Arm, Add	*127.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.41*	
		For Aluminized Steel Gate And Post, Add	*382.48*	
		For Powder Coated Gate And Post, Add	*207.18*	
		For 1" Mesh Fabric, Add	*346.63*	
		For 1-1/4" Mesh Fabric, Add	*223.12*	
		For 1-3/4" Mesh Fabric, Add	*138.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.33*	
32 31 13 13-0280	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,108.24	50.82
		For Gate With Single Barb Wire Arm, Add	*105.12*	
		For Gate With Double Barb Wire Arm, Add	*152.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.18*	
		For Aluminized Steel Gate And Post, Add	*458.70*	
		For Powder Coated Gate And Post, Add	*248.46*	
		For 1" Mesh Fabric, Add	*415.69*	
		For 1-1/4" Mesh Fabric, Add	*267.57*	
		For 1-3/4" Mesh Fabric, Add	*166.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0281	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,313.06	65.17
		For Gate With Single Barb Wire Arm, Add	*122.91*	
		For Gate With Double Barb Wire Arm, Add	*178.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.50*	
		For Aluminized Steel Gate And Post, Add	*536.32*	
		For Powder Coated Gate And Post, Add	*290.51*	
		For 1" Mesh Fabric, Add	*486.04*	
		For 1-1/4" Mesh Fabric, Add	*312.86*	
		For 1-3/4" Mesh Fabric, Add	*194.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.21*	
32 31 13 13-0282	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,486.89	70.22
		For Gate With Single Barb Wire Arm, Add	*140.37*	
		For Gate With Double Barb Wire Arm, Add	*204.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-239.27*	
		For Aluminized Steel Gate And Post, Add	*612.54*	
		For Powder Coated Gate And Post, Add	*331.79*	
		For 1" Mesh Fabric, Add	*555.11*	
		For 1-1/4" Mesh Fabric, Add	*357.31*	
		For 1-3/4" Mesh Fabric, Add	*222.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-111.02*	
32 31 13 13-0283	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,666.18	76.04
		For Gate With Single Barb Wire Arm, Add	*158.16*	
		For Gate With Double Barb Wire Arm, Add	*230.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-269.60*	
		For Aluminized Steel Gate And Post, Add	*690.16*	
		For Powder Coated Gate And Post, Add	*373.84*	
		For 1" Mesh Fabric, Add	*625.46*	
		For 1-1/4" Mesh Fabric, Add	*402.60*	
		For 1-3/4" Mesh Fabric, Add	*250.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-125.09*	
32 31 13 13-0284	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,848.66	82.97
		For Gate With Single Barb Wire Arm, Add	*175.95*	
		For Gate With Double Barb Wire Arm, Add	*255.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-299.92*	
		For Aluminized Steel Gate And Post, Add	*767.79*	
		For Powder Coated Gate And Post, Add	*415.89*	
		For 1" Mesh Fabric, Add	*695.81*	
		For 1-1/4" Mesh Fabric, Add	*447.88*	
		For 1-3/4" Mesh Fabric, Add	*278.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-139.16*	
32 31 13 13-0285	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,032.35	91.28
		For Gate With Single Barb Wire Arm, Add	*193.42*	
		For Gate With Double Barb Wire Arm, Add	*281.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-329.69*	
		For Aluminized Steel Gate And Post, Add	*844.00*	
		For Powder Coated Gate And Post, Add	*457.17*	
		For 1" Mesh Fabric, Add	*764.88*	
		For 1-1/4" Mesh Fabric, Add	*492.34*	
		For 1-3/4" Mesh Fabric, Add	*305.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-152.98*	
32 31 13 13-0286	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,223.03	101.38
		For Gate With Single Barb Wire Arm, Add	*211.04*	
		For Gate With Double Barb Wire Arm, Add	*306.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-359.73*	
		For Aluminized Steel Gate And Post, Add	*920.92*	
		For Powder Coated Gate And Post, Add	*498.83*	
		For 1" Mesh Fabric, Add	*834.58*	
		For 1-1/4" Mesh Fabric, Add	*537.20*	
		For 1-3/4" Mesh Fabric, Add	*333.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-166.92*	
32 31 13 13-0287	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,419.58	114.06
		For Gate With Single Barb Wire Arm, Add	*228.48*	
		For Gate With Double Barb Wire Arm, Add	*332.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-389.45*	
		For Aluminized Steel Gate And Post, Add	*996.99*	
		For Powder Coated Gate And Post, Add	*540.04*	
		For 1" Mesh Fabric, Add	*903.53*	
		For 1-1/4" Mesh Fabric, Add	*581.58*	
		For 1-3/4" Mesh Fabric, Add	*361.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.71*	
32 31 13 13-0288	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,629.05	130.32
		For Gate With Single Barb Wire Arm, Add	*246.14*	
		For Gate With Double Barb Wire Arm, Add	*358.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-419.55*	
		For Aluminized Steel Gate And Post, Add	*1,074.05*	
		For Powder Coated Gate And Post, Add	*581.78*	
		For 1" Mesh Fabric, Add	*973.36*	
		For 1-1/4" Mesh Fabric, Add	*626.53*	
		For 1-3/4" Mesh Fabric, Add	*389.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.67*	
32 31 13 13-0289	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,855.13	152.07
		For Gate With Single Barb Wire Arm, Add	*263.83*	
		For Gate With Double Barb Wire Arm, Add	*383.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-449.71*	
		For Aluminized Steel Gate And Post, Add	*1,151.26*	
		For Powder Coated Gate And Post, Add	*623.60*	
		For 1" Mesh Fabric, Add	*1,043.33*	
		For 1-1/4" Mesh Fabric, Add	*671.57*	
		For 1-3/4" Mesh Fabric, Add	*417.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-208.67*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0290		7' Fence Height *(32 31 13 13-0229)*		
32 31 13 13-0291	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	278.72	23.43
		For Gate With Single Barb Wire Arm, Add	*22.91*	
		For Gate With Double Barb Wire Arm, Add	*33.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.05*	
		For Aluminized Steel Gate And Post, Add	*99.97*	
		For Powder Coated Gate And Post, Add	*54.15*	
		For 1" Mesh Fabric, Add	*90.60*	
		For 1-1/4" Mesh Fabric, Add	*58.32*	
		For 1-3/4" Mesh Fabric, Add	*36.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.12*	
32 31 13 13-0292	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	347.32	23.43
		For Gate With Single Barb Wire Arm, Add	*30.46*	
		For Gate With Double Barb Wire Arm, Add	*44.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.92*	
		For Aluminized Steel Gate And Post, Add	*132.90*	
		For Powder Coated Gate And Post, Add	*71.99*	
		For 1" Mesh Fabric, Add	*120.44*	
		For 1-1/4" Mesh Fabric, Add	*77.53*	
		For 1-3/4" Mesh Fabric, Add	*48.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.09*	
32 31 13 13-0293	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	406.48	24.65
		For Gate With Single Barb Wire Arm, Add	*36.57*	
		For Gate With Double Barb Wire Arm, Add	*53.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.34*	
		For Aluminized Steel Gate And Post, Add	*159.58*	
		For Powder Coated Gate And Post, Add	*86.44*	
		For 1" Mesh Fabric, Add	*144.62*	
		For 1-1/4" Mesh Fabric, Add	*93.09*	
		For 1-3/4" Mesh Fabric, Add	*57.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.92*	
32 31 13 13-0294	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	497.98	29.99
		For Gate With Single Barb Wire Arm, Add	*44.87*	
		For Gate With Double Barb Wire Arm, Add	*65.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.49*	
		For Aluminized Steel Gate And Post, Add	*195.81*	
		For Powder Coated Gate And Post, Add	*106.06*	
		For 1" Mesh Fabric, Add	*177.45*	
		For 1-1/4" Mesh Fabric, Add	*114.22*	
		For 1-3/4" Mesh Fabric, Add	*70.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.49*	
32 31 13 13-0295	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	588.72	35.10
		For Gate With Single Barb Wire Arm, Add	*53.18*	
		For Gate With Double Barb Wire Arm, Add	*77.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-90.64*	
		For Aluminized Steel Gate And Post, Add	*232.04*	
		For Powder Coated Gate And Post, Add	*125.69*	
		For 1" Mesh Fabric, Add	*210.29*	
		For 1-1/4" Mesh Fabric, Add	*135.36*	
		For 1-3/4" Mesh Fabric, Add	*84.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.06*	
32 31 13 13-0296	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	680.22	40.36
		For Gate With Single Barb Wire Arm, Add	*61.48*	
		For Gate With Double Barb Wire Arm, Add	*89.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.79*	
		For Aluminized Steel Gate And Post, Add	*268.27*	
		For Powder Coated Gate And Post, Add	*145.31*	
		For 1" Mesh Fabric, Add	*243.12*	
		For 1-1/4" Mesh Fabric, Add	*156.49*	
		For 1-3/4" Mesh Fabric, Add	*97.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.62*	
32 31 13 13-0297	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	770.97	45.48
		For Gate With Single Barb Wire Arm, Add	*69.78*	
		For Gate With Double Barb Wire Arm, Add	*101.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.95*	
		For Aluminized Steel Gate And Post, Add	*304.50*	
		For Powder Coated Gate And Post, Add	*164.94*	
		For 1" Mesh Fabric, Add	*275.96*	
		For 1-1/4" Mesh Fabric, Add	*177.63*	
		For 1-3/4" Mesh Fabric, Add	*110.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.19*	
32 31 13 13-0298	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	848.87	50.82
		For Gate With Single Barb Wire Arm, Add	*76.59*	
		For Gate With Double Barb Wire Arm, Add	*111.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.55*	
		For Aluminized Steel Gate And Post, Add	*334.20*	
		For Powder Coated Gate And Post, Add	*181.03*	
		For 1" Mesh Fabric, Add	*302.87*	
		For 1-1/4" Mesh Fabric, Add	*194.95*	
		For 1-3/4" Mesh Fabric, Add	*121.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.57*	
32 31 13 13-0299	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,066.54	50.82
		For Gate With Single Barb Wire Arm, Add	*100.53*	
		For Gate With Double Barb Wire Arm, Add	*146.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-171.36*	
		For Aluminized Steel Gate And Post, Add	*438.68*	
		For Powder Coated Gate And Post, Add	*237.62*	
		For 1" Mesh Fabric, Add	*397.56*	
		For 1-1/4" Mesh Fabric, Add	*255.90*	
		For 1-3/4" Mesh Fabric, Add	*159.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0300	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,211.93	65.17
		For Gate With Single Barb Wire Arm, Add	*111.78*	
		For Gate With Double Barb Wire Arm, Add	*162.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.54*	
		For Aluminized Steel Gate And Post, Add	*487.78*	
		For Powder Coated Gate And Post, Add	*264.21*	
		For 1" Mesh Fabric, Add	*442.05*	
		For 1-1/4" Mesh Fabric, Add	*284.54*	
		For 1-3/4" Mesh Fabric, Add	*176.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.41*	
32 31 13 13-0301	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,396.34	70.22
		For Gate With Single Barb Wire Arm, Add	*130.41*	
		For Gate With Double Barb Wire Arm, Add	*189.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.29*	
		For Aluminized Steel Gate And Post, Add	*569.07*	
		For Powder Coated Gate And Post, Add	*308.25*	
		For 1" Mesh Fabric, Add	*515.72*	
		For 1-1/4" Mesh Fabric, Add	*331.96*	
		For 1-3/4" Mesh Fabric, Add	*206.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.14*	
32 31 13 13-0302	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,569.14	76.04
		For Gate With Single Barb Wire Arm, Add	*147.49*	
		For Gate With Double Barb Wire Arm, Add	*214.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-251.40*	
		For Aluminized Steel Gate And Post, Add	*643.58*	
		For Powder Coated Gate And Post, Add	*348.61*	
		For 1" Mesh Fabric, Add	*583.25*	
		For 1-1/4" Mesh Fabric, Add	*375.42*	
		For 1-3/4" Mesh Fabric, Add	*233.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.65*	
32 31 13 13-0303	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,760.44	82.97
		For Gate With Single Barb Wire Arm, Add	*166.25*	
		For Gate With Double Barb Wire Arm, Add	*241.81*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-283.38*	
		For Aluminized Steel Gate And Post, Add	*725.44*	
		For Powder Coated Gate And Post, Add	*392.95*	
		For 1" Mesh Fabric, Add	*657.43*	
		For 1-1/4" Mesh Fabric, Add	*423.18*	
		For 1-3/4" Mesh Fabric, Add	*262.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.49*	
32 31 13 13-0304	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,952.96	91.28
		For Gate With Single Barb Wire Arm, Add	*184.68*	
		For Gate With Double Barb Wire Arm, Add	*268.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-314.80*	
		For Aluminized Steel Gate And Post, Add	*805.90*	
		For Powder Coated Gate And Post, Add	*436.53*	
		For 1" Mesh Fabric, Add	*730.34*	
		For 1-1/4" Mesh Fabric, Add	*470.11*	
		For 1-3/4" Mesh Fabric, Add	*292.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.07*	
32 31 13 13-0305	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,151.00	101.38
		For Gate With Single Barb Wire Arm, Add	*203.12*	
		For Gate With Double Barb Wire Arm, Add	*295.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-346.23*	
		For Aluminized Steel Gate And Post, Add	*886.34*	
		For Powder Coated Gate And Post, Add	*480.10*	
		For 1" Mesh Fabric, Add	*803.25*	
		For 1-1/4" Mesh Fabric, Add	*517.03*	
		For 1-3/4" Mesh Fabric, Add	*321.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.65*	
32 31 13 13-0306	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,356.66	114.06
		For Gate With Single Barb Wire Arm, Add	*221.56*	
		For Gate With Double Barb Wire Arm, Add	*322.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-377.65*	
		For Aluminized Steel Gate And Post, Add	*966.79*	
		For Powder Coated Gate And Post, Add	*523.68*	
		For 1" Mesh Fabric, Add	*876.16*	
		For 1-1/4" Mesh Fabric, Add	*563.96*	
		For 1-3/4" Mesh Fabric, Add	*350.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.23*	
32 31 13 13-0307	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,573.19	130.32
		For Gate With Single Barb Wire Arm, Add	*239.99*	
		For Gate With Double Barb Wire Arm, Add	*349.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-409.08*	
		For Aluminized Steel Gate And Post, Add	*1,047.24*	
		For Powder Coated Gate And Post, Add	*567.26*	
		For 1" Mesh Fabric, Add	*949.06*	
		For 1-1/4" Mesh Fabric, Add	*610.89*	
		For 1-3/4" Mesh Fabric, Add	*379.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-189.81*	
32 31 13 13-0308	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,806.03	152.07
		For Gate With Single Barb Wire Arm, Add	*258.43*	
		For Gate With Double Barb Wire Arm, Add	*375.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-440.50*	
		For Aluminized Steel Gate And Post, Add	*1,127.69*	
		For Powder Coated Gate And Post, Add	*610.83*	
		For 1" Mesh Fabric, Add	*1,021.97*	
		For 1-1/4" Mesh Fabric, Add	*657.82*	
		For 1-3/4" Mesh Fabric, Add	*408.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-204.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0309	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,064.96	182.47
		For Gate With Single Barb Wire Arm, Add	*276.86*	
		For Gate With Double Barb Wire Arm, Add	*402.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-471.93*	
		For Aluminized Steel Gate And Post, Add	*1,208.14*	
		For Powder Coated Gate And Post, Add	*654.41*	
		For 1" Mesh Fabric, Add	*1,094.87*	
		For 1-1/4" Mesh Fabric, Add	*704.75*	
		For 1-3/4" Mesh Fabric, Add	*437.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-218.97*	

32 31 13 13-0310 8' Fence Height *(32 31 13 13-0229)*

32 31 13 13-0311	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	325.05	25.41
		For Gate With Single Barb Wire Arm, Add	*27.36*	
		For Gate With Double Barb Wire Arm, Add	*39.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.64*	
		For Aluminized Steel Gate And Post, Add	*119.40*	
		For Powder Coated Gate And Post, Add	*64.67*	
		For 1" Mesh Fabric, Add	*108.20*	
		For 1-1/4" Mesh Fabric, Add	*69.65*	
		For 1-3/4" Mesh Fabric, Add	*43.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.64*	
32 31 13 13-0312	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	407.97	25.41
		For Gate With Single Barb Wire Arm, Add	*36.48*	
		For Gate With Double Barb Wire Arm, Add	*53.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.19*	
		For Aluminized Steel Gate And Post, Add	*159.20*	
		For Powder Coated Gate And Post, Add	*86.23*	
		For 1" Mesh Fabric, Add	*144.27*	
		For 1-1/4" Mesh Fabric, Add	*92.86*	
		For 1-3/4" Mesh Fabric, Add	*57.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.85*	
32 31 13 13-0313	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	475.15	28.31
		For Gate With Single Barb Wire Arm, Add	*42.91*	
		For Gate With Double Barb Wire Arm, Add	*62.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.14*	
		For Aluminized Steel Gate And Post, Add	*187.23*	
		For Powder Coated Gate And Post, Add	*101.42*	
		For 1" Mesh Fabric, Add	*169.68*	
		For 1-1/4" Mesh Fabric, Add	*109.22*	
		For 1-3/4" Mesh Fabric, Add	*67.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.94*	
32 31 13 13-0314	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	544.63	32.05
		For Gate With Single Barb Wire Arm, Add	*49.33*	
		For Gate With Double Barb Wire Arm, Add	*71.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.09*	
		For Aluminized Steel Gate And Post, Add	*215.27*	
		For Powder Coated Gate And Post, Add	*116.60*	
		For 1" Mesh Fabric, Add	*195.09*	
		For 1-1/4" Mesh Fabric, Add	*125.57*	
		For 1-3/4" Mesh Fabric, Add	*78.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.02*	
32 31 13 13-0315	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	622.88	38.61
		For Gate With Single Barb Wire Arm, Add	*55.76*	
		For Gate With Double Barb Wire Arm, Add	*81.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.04*	
		For Aluminized Steel Gate And Post, Add	*243.31*	
		For Powder Coated Gate And Post, Add	*131.79*	
		For 1" Mesh Fabric, Add	*220.50*	
		For 1-1/4" Mesh Fabric, Add	*141.93*	
		For 1-3/4" Mesh Fabric, Add	*88.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.10*	
32 31 13 13-0316	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	700.38	44.95
		For Gate With Single Barb Wire Arm, Add	*62.18*	
		For Gate With Double Barb Wire Arm, Add	*90.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.00*	
		For Aluminized Steel Gate And Post, Add	*271.35*	
		For Powder Coated Gate And Post, Add	*146.98*	
		For 1" Mesh Fabric, Add	*245.91*	
		For 1-1/4" Mesh Fabric, Add	*158.29*	
		For 1-3/4" Mesh Fabric, Add	*98.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.18*	
32 31 13 13-0317	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	778.63	51.58
		For Gate With Single Barb Wire Arm, Add	*68.61*	
		For Gate With Double Barb Wire Arm, Add	*99.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.95*	
		For Aluminized Steel Gate And Post, Add	*299.39*	
		For Powder Coated Gate And Post, Add	*162.17*	
		For 1" Mesh Fabric, Add	*271.32*	
		For 1-1/4" Mesh Fabric, Add	*174.64*	
		For 1-3/4" Mesh Fabric, Add	*108.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0318	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	856.89	58.23
		For Gate With Single Barb Wire Arm, Add	*75.04*	
		For Gate With Double Barb Wire Arm, Add	*109.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-127.90*	
		For Aluminized Steel Gate And Post, Add	*327.43*	
		For Powder Coated Gate And Post, Add	*177.36*	
		For 1" Mesh Fabric, Add	*296.73*	
		For 1-1/4" Mesh Fabric, Add	*191.00*	
		For 1-3/4" Mesh Fabric, Add	*118.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.35*	
32 31 13 13-0319	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,218.94	65.17
		For Gate With Single Barb Wire Arm, Add	*112.55*	
		For Gate With Double Barb Wire Arm, Add	*163.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-191.85*	
		For Aluminized Steel Gate And Post, Add	*491.15*	
		For Powder Coated Gate And Post, Add	*266.04*	
		For 1" Mesh Fabric, Add	*445.10*	
		For 1-1/4" Mesh Fabric, Add	*286.50*	
		For 1-3/4" Mesh Fabric, Add	*178.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.02*	
32 31 13 13-0320	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,431.02	70.22
		For Gate With Single Barb Wire Arm, Add	*134.23*	
		For Gate With Double Barb Wire Arm, Add	*195.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-228.80*	
		For Aluminized Steel Gate And Post, Add	*585.72*	
		For Powder Coated Gate And Post, Add	*317.27*	
		For 1" Mesh Fabric, Add	*530.81*	
		For 1-1/4" Mesh Fabric, Add	*341.67*	
		For 1-3/4" Mesh Fabric, Add	*212.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.16*	
32 31 13 13-0321	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,648.53	76.04
		For Gate With Single Barb Wire Arm, Add	*156.22*	
		For Gate With Double Barb Wire Arm, Add	*227.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.29*	
		For Aluminized Steel Gate And Post, Add	*681.69*	
		For Powder Coated Gate And Post, Add	*369.25*	
		For 1" Mesh Fabric, Add	*617.78*	
		For 1-1/4" Mesh Fabric, Add	*397.65*	
		For 1-3/4" Mesh Fabric, Add	*247.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.56*	
32 31 13 13-0322	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,875.12	82.97
		For Gate With Single Barb Wire Arm, Add	*178.86*	
		For Gate With Double Barb Wire Arm, Add	*260.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-304.88*	
		For Aluminized Steel Gate And Post, Add	*780.49*	
		For Powder Coated Gate And Post, Add	*422.77*	
		For 1" Mesh Fabric, Add	*707.32*	
		For 1-1/4" Mesh Fabric, Add	*455.29*	
		For 1-3/4" Mesh Fabric, Add	*282.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-141.46*	
32 31 13 13-0323	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,105.85	91.28
		For Gate With Single Barb Wire Arm, Add	*201.50*	
		For Gate With Double Barb Wire Arm, Add	*293.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-343.47*	
		For Aluminized Steel Gate And Post, Add	*879.28*	
		For Powder Coated Gate And Post, Add	*476.28*	
		For 1" Mesh Fabric, Add	*796.85*	
		For 1-1/4" Mesh Fabric, Add	*512.92*	
		For 1-3/4" Mesh Fabric, Add	*318.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-159.37*	
32 31 13 13-0324	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,339.18	101.38
		For Gate With Single Barb Wire Arm, Add	*223.82*	
		For Gate With Double Barb Wire Arm, Add	*325.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-381.51*	
		For Aluminized Steel Gate And Post, Add	*976.67*	
		For Powder Coated Gate And Post, Add	*529.03*	
		For 1" Mesh Fabric, Add	*885.11*	
		For 1-1/4" Mesh Fabric, Add	*569.72*	
		For 1-3/4" Mesh Fabric, Add	*354.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-177.02*	
32 31 13 13-0325	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,577.18	114.06
		For Gate With Single Barb Wire Arm, Add	*245.81*	
		For Gate With Double Barb Wire Arm, Add	*357.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-419.00*	
		For Aluminized Steel Gate And Post, Add	*1,072.64*	
		For Powder Coated Gate And Post, Add	*581.01*	
		For 1" Mesh Fabric, Add	*972.08*	
		For 1-1/4" Mesh Fabric, Add	*625.71*	
		For 1-3/4" Mesh Fabric, Add	*388.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.42*	
32 31 13 13-0326	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,831.94	130.32
		For Gate With Single Barb Wire Arm, Add	*268.46*	
		For Gate With Double Barb Wire Arm, Add	*390.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-457.59*	
		For Aluminized Steel Gate And Post, Add	*1,171.44*	
		For Powder Coated Gate And Post, Add	*634.53*	
		For 1" Mesh Fabric, Add	*1,061.62*	
		For 1-1/4" Mesh Fabric, Add	*683.34*	
		For 1-3/4" Mesh Fabric, Add	*424.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-212.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0327	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,103.00	152.07
		For Gate With Single Barb Wire Arm, Add	*291.10*	
		For Gate With Double Barb Wire Arm, Add	*423.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-496.19*	
		For Aluminized Steel Gate And Post, Add	*1,270.23*	
		For Powder Coated Gate And Post, Add	*688.04*	
		For 1" Mesh Fabric, Add	*1,151.15*	
		For 1-1/4" Mesh Fabric, Add	*740.97*	
		For 1-3/4" Mesh Fabric, Add	*460.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-230.23*	
32 31 13 13-0328	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,397.22	182.47
		For Gate With Single Barb Wire Arm, Add	*313.41*	
		For Gate With Double Barb Wire Arm, Add	*455.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-534.23*	
		For Aluminized Steel Gate And Post, Add	*1,367.62*	
		For Powder Coated Gate And Post, Add	*740.79*	
		For 1" Mesh Fabric, Add	*1,239.41*	
		For 1-1/4" Mesh Fabric, Add	*797.78*	
		For 1-3/4" Mesh Fabric, Add	*495.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-247.88*	
32 31 13 13-0329	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,737.10	228.11
		For Gate With Single Barb Wire Arm, Add	*335.73*	
		For Gate With Double Barb Wire Arm, Add	*488.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-572.27*	
		For Aluminized Steel Gate And Post, Add	*1,465.00*	
		For Powder Coated Gate And Post, Add	*793.54*	
		For 1" Mesh Fabric, Add	*1,327.66*	
		For 1-1/4" Mesh Fabric, Add	*854.59*	
		For 1-3/4" Mesh Fabric, Add	*531.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.53*	

32 31 13 13-0330 10' Fence Height *(32 31 13 13-0229)*

32 31 13 13-0331	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	406.45	28.23
		For Gate With Single Barb Wire Arm, Add	*35.38*	
		For Gate With Double Barb Wire Arm, Add	*51.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-60.31*	
		For Aluminized Steel Gate And Post, Add	*154.40*	
		For Powder Coated Gate And Post, Add	*83.63*	
		For 1" Mesh Fabric, Add	*139.92*	
		For 1-1/4" Mesh Fabric, Add	*90.06*	
		For 1-3/4" Mesh Fabric, Add	*55.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.98*	
32 31 13 13-0332	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	513.66	28.23
		For Gate With Single Barb Wire Arm, Add	*47.18*	
		For Gate With Double Barb Wire Arm, Add	*68.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.41*	
		For Aluminized Steel Gate And Post, Add	*205.86*	
		For Powder Coated Gate And Post, Add	*111.51*	
		For 1" Mesh Fabric, Add	*186.56*	
		For 1-1/4" Mesh Fabric, Add	*120.08*	
		For 1-3/4" Mesh Fabric, Add	*74.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.31*	
32 31 13 13-0333	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	592.94	29.46
		For Gate With Single Barb Wire Arm, Add	*55.49*	
		For Gate With Double Barb Wire Arm, Add	*80.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.58*	
		For Aluminized Steel Gate And Post, Add	*242.12*	
		For Powder Coated Gate And Post, Add	*131.15*	
		For 1" Mesh Fabric, Add	*219.42*	
		For 1-1/4" Mesh Fabric, Add	*141.24*	
		For 1-3/4" Mesh Fabric, Add	*87.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.88*	
32 31 13 13-0334	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	689.84	36.63
		For Gate With Single Barb Wire Arm, Add	*63.80*	
		For Gate With Double Barb Wire Arm, Add	*92.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.74*	
		For Aluminized Steel Gate And Post, Add	*278.38*	
		For Powder Coated Gate And Post, Add	*150.79*	
		For 1" Mesh Fabric, Add	*252.28*	
		For 1-1/4" Mesh Fabric, Add	*162.39*	
		For 1-3/4" Mesh Fabric, Add	*100.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.46*	
32 31 13 13-0335	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	786.30	43.42
		For Gate With Single Barb Wire Arm, Add	*72.10*	
		For Gate With Double Barb Wire Arm, Add	*104.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.90*	
		For Aluminized Steel Gate And Post, Add	*314.63*	
		For Powder Coated Gate And Post, Add	*170.42*	
		For 1" Mesh Fabric, Add	*285.13*	
		For 1-1/4" Mesh Fabric, Add	*183.53*	
		For 1-3/4" Mesh Fabric, Add	*114.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0336	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	882.87	50.60
		For Gate With Single Barb Wire Arm, Add	*80.41*	
		For Gate With Double Barb Wire Arm, Add	*116.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.07*	
		For Aluminized Steel Gate And Post, Add	*350.89*	
		For Powder Coated Gate And Post, Add	*190.07*	
		For 1" Mesh Fabric, Add	*317.99*	
		For 1-1/4" Mesh Fabric, Add	*204.69*	
		For 1-3/4" Mesh Fabric, Add	*127.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-63.60*	
32 31 13 13-0337	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	979.02	57.46
		For Gate With Single Barb Wire Arm, Add	*88.72*	
		For Gate With Double Barb Wire Arm, Add	*129.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.23*	
		For Aluminized Steel Gate And Post, Add	*387.15*	
		For Powder Coated Gate And Post, Add	*209.71*	
		For 1" Mesh Fabric, Add	*350.86*	
		For 1-1/4" Mesh Fabric, Add	*225.84*	
		For 1-3/4" Mesh Fabric, Add	*140.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.17*	
32 31 13 13-0338	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,075.94	64.55
		For Gate With Single Barb Wire Arm, Add	*97.03*	
		For Gate With Double Barb Wire Arm, Add	*141.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.40*	
		For Aluminized Steel Gate And Post, Add	*423.41*	
		For Powder Coated Gate And Post, Add	*229.35*	
		For 1" Mesh Fabric, Add	*383.72*	
		For 1-1/4" Mesh Fabric, Add	*246.99*	
		For 1-3/4" Mesh Fabric, Add	*153.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.74*	
32 31 13 13-0339	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,540.62	72.44
		For Gate With Single Barb Wire Arm, Add	*145.55*	
		For Gate With Double Barb Wire Arm, Add	*211.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.09*	
		For Aluminized Steel Gate And Post, Add	*635.11*	
		For Powder Coated Gate And Post, Add	*344.02*	
		For 1" Mesh Fabric, Add	*575.57*	
		For 1-1/4" Mesh Fabric, Add	*370.48*	
		For 1-3/4" Mesh Fabric, Add	*230.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.11*	
32 31 13 13-0340	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,674.91	77.92
		For Gate With Single Barb Wire Arm, Add	*158.49*	
		For Gate With Double Barb Wire Arm, Add	*230.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-270.15*	
		For Aluminized Steel Gate And Post, Add	*691.58*	
		For Powder Coated Gate And Post, Add	*374.61*	
		For 1" Mesh Fabric, Add	*626.75*	
		For 1-1/4" Mesh Fabric, Add	*403.42*	
		For 1-3/4" Mesh Fabric, Add	*250.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-125.35*	
32 31 13 13-0341	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,906.19	84.52
		For Gate With Single Barb Wire Arm, Add	*181.77*	
		For Gate With Double Barb Wire Arm, Add	*264.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-309.84*	
		For Aluminized Steel Gate And Post, Add	*793.19*	
		For Powder Coated Gate And Post, Add	*429.64*	
		For 1" Mesh Fabric, Add	*718.83*	
		For 1-1/4" Mesh Fabric, Add	*462.69*	
		For 1-3/4" Mesh Fabric, Add	*287.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-143.77*	
32 31 13 13-0342	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,164.37	92.14
		For Gate With Single Barb Wire Arm, Add	*207.65*	
		For Gate With Double Barb Wire Arm, Add	*302.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-353.95*	
		For Aluminized Steel Gate And Post, Add	*906.10*	
		For Powder Coated Gate And Post, Add	*490.80*	
		For 1" Mesh Fabric, Add	*821.15*	
		For 1-1/4" Mesh Fabric, Add	*528.56*	
		For 1-3/4" Mesh Fabric, Add	*328.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-164.23*	
32 31 13 13-0343	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,427.39	101.38
		For Gate With Single Barb Wire Arm, Add	*233.52*	
		For Gate With Double Barb Wire Arm, Add	*339.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-398.05*	
		For Aluminized Steel Gate And Post, Add	*1,019.01*	
		For Powder Coated Gate And Post, Add	*551.96*	
		For 1" Mesh Fabric, Add	*923.48*	
		For 1-1/4" Mesh Fabric, Add	*594.42*	
		For 1-3/4" Mesh Fabric, Add	*369.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-184.70*	
32 31 13 13-0344	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,697.75	112.59
		For Gate With Single Barb Wire Arm, Add	*259.56*	
		For Gate With Double Barb Wire Arm, Add	*377.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-442.43*	
		For Aluminized Steel Gate And Post, Add	*1,132.63*	
		For Powder Coated Gate And Post, Add	*613.51*	
		For 1" Mesh Fabric, Add	*1,026.44*	
		For 1-1/4" Mesh Fabric, Add	*660.70*	
		For 1-3/4" Mesh Fabric, Add	*410.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-205.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0345	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,976.91	126.72
		For Gate With Single Barb Wire Arm, Add	*285.60*	
		For Gate With Double Barb Wire Arm, Add	*415.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-486.81*	
		For Aluminized Steel Gate And Post, Add	*1,246.24*	
		For Powder Coated Gate And Post, Add	*675.05*	
		For 1" Mesh Fabric, Add	*1,129.41*	
		For 1-1/4" Mesh Fabric, Add	*726.98*	
		For 1-3/4" Mesh Fabric, Add	*451.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.88*	
32 31 13 13-0346	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,266.22	144.71
		For Gate With Single Barb Wire Arm, Add	*311.47*	
		For Gate With Double Barb Wire Arm, Add	*453.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-530.92*	
		For Aluminized Steel Gate And Post, Add	*1,359.15*	
		For Powder Coated Gate And Post, Add	*736.21*	
		For 1" Mesh Fabric, Add	*1,231.73*	
		For 1-1/4" Mesh Fabric, Add	*792.84*	
		For 1-3/4" Mesh Fabric, Add	*492.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-246.35*	
32 31 13 13-0347	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,574.21	168.94
		For Gate With Single Barb Wire Arm, Add	*337.35*	
		For Gate With Double Barb Wire Arm, Add	*490.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-575.03*	
		For Aluminized Steel Gate And Post, Add	*1,472.06*	
		For Powder Coated Gate And Post, Add	*797.37*	
		For 1" Mesh Fabric, Add	*1,334.06*	
		For 1-1/4" Mesh Fabric, Add	*858.70*	
		For 1-3/4" Mesh Fabric, Add	*533.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-266.81*	
32 31 13 13-0348	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,910.38	202.59
		For Gate With Single Barb Wire Arm, Add	*363.22*	
		For Gate With Double Barb Wire Arm, Add	*528.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-619.13*	
		For Aluminized Steel Gate And Post, Add	*1,584.97*	
		For Powder Coated Gate And Post, Add	*858.53*	
		For 1" Mesh Fabric, Add	*1,436.38*	
		For 1-1/4" Mesh Fabric, Add	*924.57*	
		For 1-3/4" Mesh Fabric, Add	*574.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-287.28*	
32 31 13 13-0349	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,301.31	253.46
		For Gate With Single Barb Wire Arm, Add	*389.42*	
		For Gate With Double Barb Wire Arm, Add	*566.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-663.79*	
		For Aluminized Steel Gate And Post, Add	*1,699.29*	
		For Powder Coated Gate And Post, Add	*920.45*	
		For 1" Mesh Fabric, Add	*1,539.98*	
		For 1-1/4" Mesh Fabric, Add	*991.25*	
		For 1-3/4" Mesh Fabric, Add	*615.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-308.00*	
32 31 13 13-0350		**12' Fence Height** *(32 31 13 13-0229)*		
32 31 13 13-0351	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	505.93	31.37
		For Gate With Single Barb Wire Arm, Add	*45.29*	
		For Gate With Double Barb Wire Arm, Add	*65.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.20*	
		For Aluminized Steel Gate And Post, Add	*197.63*	
		For Powder Coated Gate And Post, Add	*107.05*	
		For 1" Mesh Fabric, Add	*179.10*	
		For 1-1/4" Mesh Fabric, Add	*115.28*	
		For 1-3/4" Mesh Fabric, Add	*71.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.82*	
32 31 13 13-0352	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	643.16	31.37
		For Gate With Single Barb Wire Arm, Add	*60.38*	
		For Gate With Double Barb Wire Arm, Add	*87.83*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.93*	
		For Aluminized Steel Gate And Post, Add	*263.50*	
		For Powder Coated Gate And Post, Add	*142.73*	
		For 1" Mesh Fabric, Add	*238.79*	
		For 1-1/4" Mesh Fabric, Add	*153.71*	
		For 1-3/4" Mesh Fabric, Add	*95.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.76*	
32 31 13 13-0353	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	743.32	32.50
		For Gate With Single Barb Wire Arm, Add	*71.02*	
		For Gate With Double Barb Wire Arm, Add	*103.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-121.06*	
		For Aluminized Steel Gate And Post, Add	*309.91*	
		For Powder Coated Gate And Post, Add	*167.87*	
		For 1" Mesh Fabric, Add	*280.86*	
		For 1-1/4" Mesh Fabric, Add	*180.78*	
		For 1-3/4" Mesh Fabric, Add	*112.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0354	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	863.67	40.36
		For Gate With Single Barb Wire Arm, Add	*81.66*	
		For Gate With Double Barb Wire Arm, Add	*118.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.19*	
		For Aluminized Steel Gate And Post, Add	*356.32*	
		For Powder Coated Gate And Post, Add	*193.01*	
		For 1" Mesh Fabric, Add	*322.92*	
		For 1-1/4" Mesh Fabric, Add	*207.86*	
		For 1-3/4" Mesh Fabric, Add	*129.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.58*	
32 31 13 13-0355	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	440.42	48.30
		For Gate With Single Barb Wire Arm, Add	*32.50*	
		For Gate With Double Barb Wire Arm, Add	*47.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.39*	
		For Aluminized Steel Gate And Post, Add	*141.81*	
		For Powder Coated Gate And Post, Add	*76.81*	
		For 1" Mesh Fabric, Add	*128.51*	
		For 1-1/4" Mesh Fabric, Add	*82.72*	
		For 1-3/4" Mesh Fabric, Add	*51.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.70*	
32 31 13 13-0356	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	497.37	55.93
		For Gate With Single Barb Wire Arm, Add	*36.24*	
		For Gate With Double Barb Wire Arm, Add	*52.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.78*	
		For Aluminized Steel Gate And Post, Add	*158.15*	
		For Powder Coated Gate And Post, Add	*85.66*	
		For 1" Mesh Fabric, Add	*143.32*	
		For 1-1/4" Mesh Fabric, Add	*92.25*	
		For 1-3/4" Mesh Fabric, Add	*57.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.66*	
32 31 13 13-0357	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	555.06	63.79
		For Gate With Single Barb Wire Arm, Add	*39.99*	
		For Gate With Double Barb Wire Arm, Add	*58.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.16*	
		For Aluminized Steel Gate And Post, Add	*174.49*	
		For Powder Coated Gate And Post, Add	*94.52*	
		For 1" Mesh Fabric, Add	*158.13*	
		For 1-1/4" Mesh Fabric, Add	*101.79*	
		For 1-3/4" Mesh Fabric, Add	*63.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.63*	
32 31 13 13-0358	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	612.77	71.65
		For Gate With Single Barb Wire Arm, Add	*43.73*	
		For Gate With Double Barb Wire Arm, Add	*63.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.54*	
		For Aluminized Steel Gate And Post, Add	*190.83*	
		For Powder Coated Gate And Post, Add	*103.37*	
		For 1" Mesh Fabric, Add	*172.94*	
		For 1-1/4" Mesh Fabric, Add	*111.32*	
		For 1-3/4" Mesh Fabric, Add	*69.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.59*	
32 31 13 13-0359	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	795.55	80.48
		For Gate With Single Barb Wire Arm, Add	*60.93*	
		For Gate With Double Barb Wire Arm, Add	*88.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-103.86*	
		For Aluminized Steel Gate And Post, Add	*265.88*	
		For Powder Coated Gate And Post, Add	*144.02*	
		For 1" Mesh Fabric, Add	*240.96*	
		For 1-1/4" Mesh Fabric, Add	*155.10*	
		For 1-3/4" Mesh Fabric, Add	*96.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.19*	
32 31 13 13-0360	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	868.85	86.65
		For Gate With Single Barb Wire Arm, Add	*66.97*	
		For Gate With Double Barb Wire Arm, Add	*97.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.15*	
		For Aluminized Steel Gate And Post, Add	*292.22*	
		For Powder Coated Gate And Post, Add	*158.29*	
		For 1" Mesh Fabric, Add	*264.82*	
		For 1-1/4" Mesh Fabric, Add	*170.46*	
		For 1-3/4" Mesh Fabric, Add	*105.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.96*	
32 31 13 13-0361	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	979.73	93.85
		For Gate With Single Barb Wire Arm, Add	*76.76*	
		For Gate With Double Barb Wire Arm, Add	*111.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.84*	
		For Aluminized Steel Gate And Post, Add	*334.96*	
		For Powder Coated Gate And Post, Add	*181.44*	
		For 1" Mesh Fabric, Add	*303.56*	
		For 1-1/4" Mesh Fabric, Add	*195.39*	
		For 1-3/4" Mesh Fabric, Add	*121.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.71*	
32 31 13 13-0362	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,104.68	102.32
		For Gate With Single Barb Wire Arm, Add	*87.70*	
		For Gate With Double Barb Wire Arm, Add	*127.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.48*	
		For Aluminized Steel Gate And Post, Add	*382.67*	
		For Powder Coated Gate And Post, Add	*207.28*	
		For 1" Mesh Fabric, Add	*346.80*	
		For 1-1/4" Mesh Fabric, Add	*223.22*	
		For 1-3/4" Mesh Fabric, Add	*138.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0363	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,884.46	112.68
		For Gate With Single Barb Wire Arm, Add	*280.10*	
		For Gate With Double Barb Wire Arm, Add	*407.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-477.44*	
		For Aluminized Steel Gate And Post, Add	*1,222.25*	
		For Powder Coated Gate And Post, Add	*662.05*	
		For 1" Mesh Fabric, Add	*1,107.66*	
		For 1-1/4" Mesh Fabric, Add	*712.98*	
		For 1-3/4" Mesh Fabric, Add	*443.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-221.53*	
32 31 13 13-0364	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,207.12	125.10
		For Gate With Single Barb Wire Arm, Add	*311.47*	
		For Gate With Double Barb Wire Arm, Add	*453.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-530.92*	
		For Aluminized Steel Gate And Post, Add	*1,359.15*	
		For Powder Coated Gate And Post, Add	*736.21*	
		For 1" Mesh Fabric, Add	*1,231.73*	
		For 1-1/4" Mesh Fabric, Add	*792.84*	
		For 1-3/4" Mesh Fabric, Add	*492.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-246.35*	
32 31 13 13-0365	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,536.69	140.77
		For Gate With Single Barb Wire Arm, Add	*342.52*	
		For Gate With Double Barb Wire Arm, Add	*498.21*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-583.85*	
		For Aluminized Steel Gate And Post, Add	*1,494.64*	
		For Powder Coated Gate And Post, Add	*809.60*	
		For 1" Mesh Fabric, Add	*1,354.52*	
		For 1-1/4" Mesh Fabric, Add	*871.88*	
		For 1-3/4" Mesh Fabric, Add	*541.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.90*	
32 31 13 13-0366	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,882.01	160.81
		For Gate With Single Barb Wire Arm, Add	*373.90*	
		For Gate With Double Barb Wire Arm, Add	*543.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-637.32*	
		For Aluminized Steel Gate And Post, Add	*1,631.55*	
		For Powder Coated Gate And Post, Add	*883.76*	
		For 1" Mesh Fabric, Add	*1,478.59*	
		For 1-1/4" Mesh Fabric, Add	*951.74*	
		For 1-3/4" Mesh Fabric, Add	*591.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-295.72*	
32 31 13 13-0367	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,242.18	187.78
		For Gate With Single Barb Wire Arm, Add	*404.62*	
		For Gate With Double Barb Wire Arm, Add	*588.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-689.70*	
		For Aluminized Steel Gate And Post, Add	*1,765.63*	
		For Powder Coated Gate And Post, Add	*956.38*	
		For 1" Mesh Fabric, Add	*1,600.10*	
		For 1-1/4" Mesh Fabric, Add	*1,029.95*	
		For 1-3/4" Mesh Fabric, Add	*640.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-320.02*	
32 31 13 13-0368	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,636.61	225.11
		For Gate With Single Barb Wire Arm, Add	*435.67*	
		For Gate With Double Barb Wire Arm, Add	*633.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-742.62*	
		For Aluminized Steel Gate And Post, Add	*1,901.12*	
		For Powder Coated Gate And Post, Add	*1,029.77*	
		For 1" Mesh Fabric, Add	*1,722.89*	
		For 1-1/4" Mesh Fabric, Add	*1,108.98*	
		For 1-3/4" Mesh Fabric, Add	*689.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-344.58*	
32 31 13 13-0369	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,091.57	281.63
		For Gate With Single Barb Wire Arm, Add	*467.05*	
		For Gate With Double Barb Wire Arm, Add	*679.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-796.10*	
		For Aluminized Steel Gate And Post, Add	*2,038.02*	
		For Powder Coated Gate And Post, Add	*1,103.93*	
		For 1" Mesh Fabric, Add	*1,846.96*	
		For 1-1/4" Mesh Fabric, Add	*1,188.85*	
		For 1-3/4" Mesh Fabric, Add	*738.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-369.39*	

32 31 13 13-0370 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0228)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0371 4' Fence Height *(32 31 13 13-0370)*

32 31 13 13-0372	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	126.32	19.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-12.95*	
		For 1" Mesh Fabric, Add	*30.05*	
		For 1-1/4" Mesh Fabric, Add	*19.35*	
		For 1-3/4" Mesh Fabric, Add	*12.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-6.01*	
		For Gate With Single Barb Wire Arm, Add	*7.60*	
		For Gate With Double Barb Wire Arm, Add	*11.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0373	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	149.35	19.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-17.27*	
		For 1" Mesh Fabric, Add	*40.07*	
		For 1-1/4" Mesh Fabric, Add	*25.79*	
		For 1-3/4" Mesh Fabric, Add	*16.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-8.01*	
		For Gate With Single Barb Wire Arm, Add	*10.13*	
		For Gate With Double Barb Wire Arm, Add	*14.74*	
32 31 13 13-0374	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	172.36	20.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-20.87*	
		For 1" Mesh Fabric, Add	*48.42*	
		For 1-1/4" Mesh Fabric, Add	*31.17*	
		For 1-3/4" Mesh Fabric, Add	*19.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-9.68*	
		For Gate With Single Barb Wire Arm, Add	*12.24*	
		For Gate With Double Barb Wire Arm, Add	*17.81*	
32 31 13 13-0375	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	203.75	24.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-24.47*	
		For 1" Mesh Fabric, Add	*56.77*	
		For 1-1/4" Mesh Fabric, Add	*36.54*	
		For 1-3/4" Mesh Fabric, Add	*22.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.35*	
		For Gate With Single Barb Wire Arm, Add	*14.36*	
		For Gate With Double Barb Wire Arm, Add	*20.88*	
32 31 13 13-0376	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	235.15	28.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.07*	
		For 1" Mesh Fabric, Add	*65.12*	
		For 1-1/4" Mesh Fabric, Add	*41.91*	
		For 1-3/4" Mesh Fabric, Add	*26.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.02*	
		For Gate With Single Barb Wire Arm, Add	*16.47*	
		For Gate With Double Barb Wire Arm, Add	*23.95*	
32 31 13 13-0377	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	266.55	32.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.67*	
		For 1" Mesh Fabric, Add	*73.46*	
		For 1-1/4" Mesh Fabric, Add	*47.29*	
		For 1-3/4" Mesh Fabric, Add	*29.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-14.69*	
		For Gate With Single Barb Wire Arm, Add	*18.58*	
		For Gate With Double Barb Wire Arm, Add	*27.02*	
32 31 13 13-0378	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	297.96	36.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.26*	
		For 1" Mesh Fabric, Add	*81.81*	
		For 1-1/4" Mesh Fabric, Add	*52.66*	
		For 1-3/4" Mesh Fabric, Add	*32.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.36*	
		For Gate With Single Barb Wire Arm, Add	*20.69*	
		For Gate With Double Barb Wire Arm, Add	*30.09*	
32 31 13 13-0379	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	329.36	40.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.86*	
		For 1" Mesh Fabric, Add	*90.16*	
		For 1-1/4" Mesh Fabric, Add	*58.03*	
		For 1-3/4" Mesh Fabric, Add	*36.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.03*	
		For Gate With Single Barb Wire Arm, Add	*22.80*	
		For Gate With Double Barb Wire Arm, Add	*33.16*	
32 31 13 13-0380	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	398.45	40.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.82*	
		For 1" Mesh Fabric, Add	*120.21*	
		For 1-1/4" Mesh Fabric, Add	*77.38*	
		For 1-3/4" Mesh Fabric, Add	*48.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.04*	
		For Gate With Single Barb Wire Arm, Add	*30.40*	
		For Gate With Double Barb Wire Arm, Add	*44.22*	
32 31 13 13-0381	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	462.44	43.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.18*	
		For 1" Mesh Fabric, Add	*144.25*	
		For 1-1/4" Mesh Fabric, Add	*92.85*	
		For 1-3/4" Mesh Fabric, Add	*57.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.85*	
		For Gate With Single Barb Wire Arm, Add	*36.48*	
		For Gate With Double Barb Wire Arm, Add	*53.06*	
32 31 13 13-0382	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	527.77	46.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.54*	
		For 1" Mesh Fabric, Add	*168.30*	
		For 1-1/4" Mesh Fabric, Add	*108.33*	
		For 1-3/4" Mesh Fabric, Add	*67.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.66*	
		For Gate With Single Barb Wire Arm, Add	*42.56*	
		For Gate With Double Barb Wire Arm, Add	*61.90*	
32 31 13 13-0383	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	594.78	50.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.91*	
		For 1" Mesh Fabric, Add	*192.34*	
		For 1-1/4" Mesh Fabric, Add	*123.80*	
		For 1-3/4" Mesh Fabric, Add	*76.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.47*	
		For Gate With Single Barb Wire Arm, Add	*48.64*	
		For Gate With Double Barb Wire Arm, Add	*70.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0384	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	680.10	60.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-93.27*	
		For 1" Mesh Fabric, Add	*216.38*	
		For 1-1/4" Mesh Fabric, Add	*139.28*	
		For 1-3/4" Mesh Fabric, Add	*86.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.28*	
		For Gate With Single Barb Wire Arm, Add	*54.72*	
		For Gate With Double Barb Wire Arm, Add	*79.59*	
32 31 13 13-0385	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	748.42	65.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-103.63*	
		For 1" Mesh Fabric, Add	*240.42*	
		For 1-1/4" Mesh Fabric, Add	*154.76*	
		For 1-3/4" Mesh Fabric, Add	*96.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.08*	
		For Gate With Single Barb Wire Arm, Add	*60.80*	
		For Gate With Double Barb Wire Arm, Add	*88.43*	
32 31 13 13-0386	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	818.74	70.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.99*	
		For 1" Mesh Fabric, Add	*264.47*	
		For 1-1/4" Mesh Fabric, Add	*170.23*	
		For 1-3/4" Mesh Fabric, Add	*105.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.89*	
		For Gate With Single Barb Wire Arm, Add	*66.88*	
		For Gate With Double Barb Wire Arm, Add	*97.28*	
32 31 13 13-0387	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	891.58	76.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.36*	
		For 1" Mesh Fabric, Add	*288.51*	
		For 1-1/4" Mesh Fabric, Add	*185.71*	
		For 1-3/4" Mesh Fabric, Add	*115.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.70*	
		For Gate With Single Barb Wire Arm, Add	*72.96*	
		For Gate With Double Barb Wire Arm, Add	*106.12*	
32 31 13 13-0388	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	967.61	82.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.72*	
		For 1" Mesh Fabric, Add	*312.55*	
		For 1-1/4" Mesh Fabric, Add	*201.18*	
		For 1-3/4" Mesh Fabric, Add	*125.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.51*	
		For Gate With Single Barb Wire Arm, Add	*79.04*	
		For Gate With Double Barb Wire Arm, Add	*114.96*	
32 31 13 13-0389	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,047.79	91.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.08*	
		For 1" Mesh Fabric, Add	*336.59*	
		For 1-1/4" Mesh Fabric, Add	*216.66*	
		For 1-3/4" Mesh Fabric, Add	*134.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.32*	
		For Gate With Single Barb Wire Arm, Add	*85.12*	
		For Gate With Double Barb Wire Arm, Add	*123.80*	
32 31 13 13-0390	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,133.50	101.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.45*	
		For 1" Mesh Fabric, Add	*360.64*	
		For 1-1/4" Mesh Fabric, Add	*232.13*	
		For 1-3/4" Mesh Fabric, Add	*144.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.13*	
		For Gate With Single Barb Wire Arm, Add	*91.20*	
		For Gate With Double Barb Wire Arm, Add	*132.65*	

32 31 13 13-0391 5' Fence Height *(32 31 13 13-0370)*

32 31 13 13-0392	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	146.66	20.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-16.05*	
		For 1" Mesh Fabric, Add	*37.24*	
		For 1-1/4" Mesh Fabric, Add	*23.97*	
		For 1-3/4" Mesh Fabric, Add	*14.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-7.45*	
		For Gate With Single Barb Wire Arm, Add	*9.42*	
		For Gate With Double Barb Wire Arm, Add	*13.70*	
32 31 13 13-0393	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	175.20	20.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-21.40*	
		For 1" Mesh Fabric, Add	*49.66*	
		For 1-1/4" Mesh Fabric, Add	*31.96*	
		For 1-3/4" Mesh Fabric, Add	*19.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-9.93*	
		For Gate With Single Barb Wire Arm, Add	*12.56*	
		For Gate With Double Barb Wire Arm, Add	*18.26*	
32 31 13 13-0394	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	200.41	21.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.42*	
		For 1" Mesh Fabric, Add	*58.96*	
		For 1-1/4" Mesh Fabric, Add	*37.95*	
		For 1-3/4" Mesh Fabric, Add	*23.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.79*	
		For Gate With Single Barb Wire Arm, Add	*14.91*	
		For Gate With Double Barb Wire Arm, Add	*21.69*	
32 31 13 13-0395	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	234.78	25.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.43*	
		For 1" Mesh Fabric, Add	*68.27*	
		For 1-1/4" Mesh Fabric, Add	*43.95*	
		For 1-3/4" Mesh Fabric, Add	*27.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.65*	
		For Gate With Single Barb Wire Arm, Add	*17.26*	
		For Gate With Double Barb Wire Arm, Add	*25.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0396	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	269.17	30.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.44*	
		For 1" Mesh Fabric, Add	*77.59*	
		For 1-1/4" Mesh Fabric, Add	*49.94*	
		For 1-3/4" Mesh Fabric, Add	*31.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.52*	
		For Gate With Single Barb Wire Arm, Add	*19.62*	
		For Gate With Double Barb Wire Arm, Add	*28.54*	
32 31 13 13-0397	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	304.30	34.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.46*	
		For 1" Mesh Fabric, Add	*86.90*	
		For 1-1/4" Mesh Fabric, Add	*55.93*	
		For 1-3/4" Mesh Fabric, Add	*34.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.38*	
		For Gate With Single Barb Wire Arm, Add	*21.97*	
		For Gate With Double Barb Wire Arm, Add	*31.96*	
32 31 13 13-0398	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	338.67	39.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.47*	
		For 1" Mesh Fabric, Add	*96.20*	
		For 1-1/4" Mesh Fabric, Add	*61.92*	
		For 1-3/4" Mesh Fabric, Add	*38.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.24*	
		For Gate With Single Barb Wire Arm, Add	*24.33*	
		For Gate With Double Barb Wire Arm, Add	*35.39*	
32 31 13 13-0399	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	373.05	43.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.48*	
		For 1" Mesh Fabric, Add	*105.51*	
		For 1-1/4" Mesh Fabric, Add	*67.92*	
		For 1-3/4" Mesh Fabric, Add	*42.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.10*	
		For Gate With Single Barb Wire Arm, Add	*26.68*	
		For Gate With Double Barb Wire Arm, Add	*38.81*	
32 31 13 13-0400	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	473.26	43.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.21*	
		For 1" Mesh Fabric, Add	*148.96*	
		For 1-1/4" Mesh Fabric, Add	*95.88*	
		For 1-3/4" Mesh Fabric, Add	*59.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.79*	
		For Gate With Single Barb Wire Arm, Add	*37.67*	
		For Gate With Double Barb Wire Arm, Add	*54.79*	
32 31 13 13-0401	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	551.80	46.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.05*	
		For 1" Mesh Fabric, Add	*178.75*	
		For 1-1/4" Mesh Fabric, Add	*115.06*	
		For 1-3/4" Mesh Fabric, Add	*71.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.75*	
		For Gate With Single Barb Wire Arm, Add	*45.20*	
		For Gate With Double Barb Wire Arm, Add	*65.75*	
32 31 13 13-0402	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	632.03	50.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.89*	
		For 1" Mesh Fabric, Add	*208.54*	
		For 1-1/4" Mesh Fabric, Add	*134.23*	
		For 1-3/4" Mesh Fabric, Add	*83.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.71*	
		For Gate With Single Barb Wire Arm, Add	*52.74*	
		For Gate With Double Barb Wire Arm, Add	*76.71*	
32 31 13 13-0403	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	730.57	60.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.73*	
		For 1" Mesh Fabric, Add	*238.34*	
		For 1-1/4" Mesh Fabric, Add	*153.41*	
		For 1-3/4" Mesh Fabric, Add	*95.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.67*	
		For Gate With Single Barb Wire Arm, Add	*60.27*	
		For Gate With Double Barb Wire Arm, Add	*87.66*	
32 31 13 13-0404	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	812.10	65.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.57*	
		For 1" Mesh Fabric, Add	*268.13*	
		For 1-1/4" Mesh Fabric, Add	*172.59*	
		For 1-3/4" Mesh Fabric, Add	*107.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.63*	
		For Gate With Single Barb Wire Arm, Add	*67.80*	
		For Gate With Double Barb Wire Arm, Add	*98.62*	
32 31 13 13-0405	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	895.64	70.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.41*	
		For 1" Mesh Fabric, Add	*297.92*	
		For 1-1/4" Mesh Fabric, Add	*191.76*	
		For 1-3/4" Mesh Fabric, Add	*119.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.58*	
		For Gate With Single Barb Wire Arm, Add	*75.34*	
		For Gate With Double Barb Wire Arm, Add	*109.58*	
32 31 13 13-0406	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	981.70	76.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-141.26*	
		For 1" Mesh Fabric, Add	*327.71*	
		For 1-1/4" Mesh Fabric, Add	*210.94*	
		For 1-3/4" Mesh Fabric, Add	*131.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-65.54*	
		For Gate With Single Barb Wire Arm, Add	*82.87*	
		For Gate With Double Barb Wire Arm, Add	*120.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0407	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,070.95	82.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-154.10*	
		For 1" Mesh Fabric, Add	*357.50*	
		For 1-1/4" Mesh Fabric, Add	*230.12*	
		For 1-3/4" Mesh Fabric, Add	*143.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.50*	
		For Gate With Single Barb Wire Arm, Add	*90.40*	
		For Gate With Double Barb Wire Arm, Add	*131.50*	
32 31 13 13-0408	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,164.34	91.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.94*	
		For 1" Mesh Fabric, Add	*387.29*	
		For 1-1/4" Mesh Fabric, Add	*249.29*	
		For 1-3/4" Mesh Fabric, Add	*154.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.46*	
		For Gate With Single Barb Wire Arm, Add	*97.94*	
		For Gate With Double Barb Wire Arm, Add	*142.45*	
32 31 13 13-0409	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,263.27	101.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.78*	
		For 1" Mesh Fabric, Add	*417.09*	
		For 1-1/4" Mesh Fabric, Add	*268.47*	
		For 1-3/4" Mesh Fabric, Add	*166.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.42*	
		For Gate With Single Barb Wire Arm, Add	*105.47*	
		For Gate With Double Barb Wire Arm, Add	*153.41*	
32 31 13 13-0410	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,369.82	114.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-192.62*	
		For 1" Mesh Fabric, Add	*446.88*	
		For 1-1/4" Mesh Fabric, Add	*287.65*	
		For 1-3/4" Mesh Fabric, Add	*178.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.38*	
		For Gate With Single Barb Wire Arm, Add	*113.00*	
		For Gate With Double Barb Wire Arm, Add	*164.37*	
32 31 13 13-0411		6' Fence Height *(32 31 13 13-0370)*		
32 31 13 13-0412	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	156.89	21.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-17.15*	
		For 1" Mesh Fabric, Add	*39.80*	
		For 1-1/4" Mesh Fabric, Add	*25.62*	
		For 1-3/4" Mesh Fabric, Add	*15.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-7.96*	
		For Gate With Single Barb Wire Arm, Add	*10.06*	
		For Gate With Double Barb Wire Arm, Add	*14.64*	
32 31 13 13-0413	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	187.39	21.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-22.87*	
		For 1" Mesh Fabric, Add	*53.07*	
		For 1-1/4" Mesh Fabric, Add	*34.16*	
		For 1-3/4" Mesh Fabric, Add	*21.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-10.61*	
		For Gate With Single Barb Wire Arm, Add	*13.42*	
		For Gate With Double Barb Wire Arm, Add	*19.52*	
32 31 13 13-0414	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	214.30	23.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.16*	
		For 1" Mesh Fabric, Add	*63.01*	
		For 1-1/4" Mesh Fabric, Add	*40.56*	
		For 1-3/4" Mesh Fabric, Add	*25.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.60*	
		For Gate With Single Barb Wire Arm, Add	*15.93*	
		For Gate With Double Barb Wire Arm, Add	*23.18*	
32 31 13 13-0415	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	251.68	27.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.45*	
		For 1" Mesh Fabric, Add	*72.97*	
		For 1-1/4" Mesh Fabric, Add	*46.97*	
		For 1-3/4" Mesh Fabric, Add	*29.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-14.59*	
		For Gate With Single Barb Wire Arm, Add	*18.45*	
		For Gate With Double Barb Wire Arm, Add	*26.84*	
32 31 13 13-0416	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.05	32.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.74*	
		For 1" Mesh Fabric, Add	*82.92*	
		For 1-1/4" Mesh Fabric, Add	*53.37*	
		For 1-3/4" Mesh Fabric, Add	*33.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.58*	
		For Gate With Single Barb Wire Arm, Add	*20.97*	
		For Gate With Double Barb Wire Arm, Add	*30.50*	
32 31 13 13-0417	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	325.65	37.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.03*	
		For 1" Mesh Fabric, Add	*92.86*	
		For 1-1/4" Mesh Fabric, Add	*59.77*	
		For 1-3/4" Mesh Fabric, Add	*37.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.57*	
		For Gate With Single Barb Wire Arm, Add	*23.48*	
		For Gate With Double Barb Wire Arm, Add	*34.16*	
32 31 13 13-0418	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	363.04	42.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.32*	
		For 1" Mesh Fabric, Add	*102.82*	
		For 1-1/4" Mesh Fabric, Add	*66.18*	
		For 1-3/4" Mesh Fabric, Add	*41.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.56*	
		For Gate With Single Barb Wire Arm, Add	*26.00*	
		For Gate With Double Barb Wire Arm, Add	*37.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0419	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	400.40	47.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.61*	
		For 1" Mesh Fabric, Add	*112.77*	
		For 1-1/4" Mesh Fabric, Add	*72.58*	
		For 1-3/4" Mesh Fabric, Add	*45.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.55*	
		For Gate With Single Barb Wire Arm, Add	*28.52*	
		For Gate With Double Barb Wire Arm, Add	*41.48*	
32 31 13 13-0420	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	506.85	46.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.62*	
		For 1" Mesh Fabric, Add	*159.20*	
		For 1-1/4" Mesh Fabric, Add	*102.47*	
		For 1-3/4" Mesh Fabric, Add	*63.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.84*	
		For Gate With Single Barb Wire Arm, Add	*40.26*	
		For Gate With Double Barb Wire Arm, Add	*58.56*	
32 31 13 13-0421	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	591.78	50.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.34*	
		For 1" Mesh Fabric, Add	*191.03*	
		For 1-1/4" Mesh Fabric, Add	*122.96*	
		For 1-3/4" Mesh Fabric, Add	*76.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.21*	
		For Gate With Single Barb Wire Arm, Add	*48.31*	
		For Gate With Double Barb Wire Arm, Add	*70.27*	
32 31 13 13-0422	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	708.07	65.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.07*	
		For 1" Mesh Fabric, Add	*222.87*	
		For 1-1/4" Mesh Fabric, Add	*143.46*	
		For 1-3/4" Mesh Fabric, Add	*89.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.57*	
		For Gate With Single Barb Wire Arm, Add	*56.36*	
		For Gate With Double Barb Wire Arm, Add	*81.98*	
32 31 13 13-0423	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	796.32	70.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.79*	
		For 1" Mesh Fabric, Add	*254.71*	
		For 1-1/4" Mesh Fabric, Add	*163.95*	
		For 1-3/4" Mesh Fabric, Add	*101.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.94*	
		For Gate With Single Barb Wire Arm, Add	*64.41*	
		For Gate With Double Barb Wire Arm, Add	*93.69*	
32 31 13 13-0424	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	887.08	76.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.51*	
		For 1" Mesh Fabric, Add	*286.55*	
		For 1-1/4" Mesh Fabric, Add	*184.45*	
		For 1-3/4" Mesh Fabric, Add	*114.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.31*	
		For Gate With Single Barb Wire Arm, Add	*72.46*	
		For Gate With Double Barb Wire Arm, Add	*105.40*	
32 31 13 13-0425	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	994.56	82.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.77*	
		For 1" Mesh Fabric, Add	*324.28*	
		For 1-1/4" Mesh Fabric, Add	*208.73*	
		For 1-3/4" Mesh Fabric, Add	*129.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.86*	
		For Gate With Single Barb Wire Arm, Add	*82.00*	
		For Gate With Double Barb Wire Arm, Add	*119.27*	
32 31 13 13-0426	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,081.59	91.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.42*	
		For 1" Mesh Fabric, Add	*351.30*	
		For 1-1/4" Mesh Fabric, Add	*226.12*	
		For 1-3/4" Mesh Fabric, Add	*140.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.26*	
		For Gate With Single Barb Wire Arm, Add	*88.83*	
		For Gate With Double Barb Wire Arm, Add	*129.21*	
32 31 13 13-0427	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,182.77	101.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-164.69*	
		For 1" Mesh Fabric, Add	*382.07*	
		For 1-1/4" Mesh Fabric, Add	*245.93*	
		For 1-3/4" Mesh Fabric, Add	*152.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.41*	
		For Gate With Single Barb Wire Arm, Add	*96.62*	
		For Gate With Double Barb Wire Arm, Add	*140.53*	
32 31 13 13-0428	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,294.02	114.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-178.41*	
		For 1" Mesh Fabric, Add	*413.91*	
		For 1-1/4" Mesh Fabric, Add	*266.42*	
		For 1-3/4" Mesh Fabric, Add	*165.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.78*	
		For Gate With Single Barb Wire Arm, Add	*104.67*	
		For Gate With Double Barb Wire Arm, Add	*152.24*	
32 31 13 13-0429	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,416.15	130.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-192.13*	
		For 1" Mesh Fabric, Add	*445.75*	
		For 1-1/4" Mesh Fabric, Add	*286.92*	
		For 1-3/4" Mesh Fabric, Add	*178.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.15*	
		For Gate With Single Barb Wire Arm, Add	*112.72*	
		For Gate With Double Barb Wire Arm, Add	*163.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0430	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,554.58	152.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-205.86*	
		For 1" Mesh Fabric, Add	*477.59*	
		For 1-1/4" Mesh Fabric, Add	*307.41*	
		For 1-3/4" Mesh Fabric, Add	*191.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.52*	
		For Gate With Single Barb Wire Arm, Add	*120.77*	
		For Gate With Double Barb Wire Arm, Add	*175.66*	
32 31 13 13-0431		7' Fence Height *(32 31 13 13-0370)*		
32 31 13 13-0432	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	166.53	23.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-18.02*	
		For 1" Mesh Fabric, Add	*41.80*	
		For 1-1/4" Mesh Fabric, Add	*26.91*	
		For 1-3/4" Mesh Fabric, Add	*16.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-8.36*	
		For Gate With Single Barb Wire Arm, Add	*10.57*	
		For Gate With Double Barb Wire Arm, Add	*15.37*	
32 31 13 13-0433	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	198.57	23.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-24.02*	
		For 1" Mesh Fabric, Add	*55.74*	
		For 1-1/4" Mesh Fabric, Add	*35.88*	
		For 1-3/4" Mesh Fabric, Add	*22.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.15*	
		For Gate With Single Barb Wire Arm, Add	*14.09*	
		For Gate With Double Barb Wire Arm, Add	*20.50*	
32 31 13 13-0434	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	226.18	24.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.53*	
		For 1" Mesh Fabric, Add	*66.19*	
		For 1-1/4" Mesh Fabric, Add	*42.60*	
		For 1-3/4" Mesh Fabric, Add	*26.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.24*	
		For Gate With Single Barb Wire Arm, Add	*16.74*	
		For Gate With Double Barb Wire Arm, Add	*24.35*	
32 31 13 13-0435	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	266.23	29.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.03*	
		For 1" Mesh Fabric, Add	*76.64*	
		For 1-1/4" Mesh Fabric, Add	*49.33*	
		For 1-3/4" Mesh Fabric, Add	*30.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.33*	
		For Gate With Single Barb Wire Arm, Add	*19.38*	
		For Gate With Double Barb Wire Arm, Add	*28.19*	
32 31 13 13-0436	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	305.51	35.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.54*	
		For 1" Mesh Fabric, Add	*87.09*	
		For 1-1/4" Mesh Fabric, Add	*56.06*	
		For 1-3/4" Mesh Fabric, Add	*34.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.42*	
		For Gate With Single Barb Wire Arm, Add	*22.02*	
		For Gate With Double Barb Wire Arm, Add	*32.03*	
32 31 13 13-0437	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	345.57	40.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.05*	
		For 1" Mesh Fabric, Add	*97.54*	
		For 1-1/4" Mesh Fabric, Add	*62.79*	
		For 1-3/4" Mesh Fabric, Add	*39.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.51*	
		For Gate With Single Barb Wire Arm, Add	*24.67*	
		For Gate With Double Barb Wire Arm, Add	*35.88*	
32 31 13 13-0438	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	384.85	45.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.55*	
		For 1" Mesh Fabric, Add	*107.99*	
		For 1-1/4" Mesh Fabric, Add	*69.51*	
		For 1-3/4" Mesh Fabric, Add	*43.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.60*	
		For Gate With Single Barb Wire Arm, Add	*27.31*	
		For Gate With Double Barb Wire Arm, Add	*39.72*	
32 31 13 13-0439	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	424.91	50.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.05*	
		For 1" Mesh Fabric, Add	*118.45*	
		For 1-1/4" Mesh Fabric, Add	*76.24*	
		For 1-3/4" Mesh Fabric, Add	*47.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.69*	
		For Gate With Single Barb Wire Arm, Add	*29.95*	
		For Gate With Double Barb Wire Arm, Add	*43.57*	
32 31 13 13-0440	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	537.02	50.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.08*	
		For 1" Mesh Fabric, Add	*167.21*	
		For 1-1/4" Mesh Fabric, Add	*107.63*	
		For 1-3/4" Mesh Fabric, Add	*66.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.44*	
		For Gate With Single Barb Wire Arm, Add	*42.28*	
		For Gate With Double Barb Wire Arm, Add	*61.50*	
32 31 13 13-0441	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	656.99	65.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.49*	
		For 1" Mesh Fabric, Add	*200.65*	
		For 1-1/4" Mesh Fabric, Add	*129.16*	
		For 1-3/4" Mesh Fabric, Add	*80.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.13*	
		For Gate With Single Barb Wire Arm, Add	*50.74*	
		For Gate With Double Barb Wire Arm, Add	*73.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0442	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	748.93	70.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.91*	
		For 1" Mesh Fabric, Add	*234.10*	
		For 1-1/4" Mesh Fabric, Add	*150.68*	
		For 1-3/4" Mesh Fabric, Add	*93.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.82*	
		For Gate With Single Barb Wire Arm, Add	*59.20*	
		For Gate With Double Barb Wire Arm, Add	*86.11*	
32 31 13 13-0443	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	843.37	76.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.32*	
		For 1" Mesh Fabric, Add	*267.54*	
		For 1-1/4" Mesh Fabric, Add	*172.21*	
		For 1-3/4" Mesh Fabric, Add	*107.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.51*	
		For Gate With Single Barb Wire Arm, Add	*67.65*	
		For Gate With Double Barb Wire Arm, Add	*98.40*	
32 31 13 13-0444	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	941.02	82.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-129.74*	
		For 1" Mesh Fabric, Add	*300.99*	
		For 1-1/4" Mesh Fabric, Add	*193.74*	
		For 1-3/4" Mesh Fabric, Add	*120.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.20*	
		For Gate With Single Barb Wire Arm, Add	*76.11*	
		For Gate With Double Barb Wire Arm, Add	*110.71*	
32 31 13 13-0445	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,042.80	91.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.15*	
		For 1" Mesh Fabric, Add	*334.42*	
		For 1-1/4" Mesh Fabric, Add	*215.26*	
		For 1-3/4" Mesh Fabric, Add	*133.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.88*	
		For Gate With Single Barb Wire Arm, Add	*84.57*	
		For Gate With Double Barb Wire Arm, Add	*123.01*	
32 31 13 13-0446	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,150.11	101.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.56*	
		For 1" Mesh Fabric, Add	*367.86*	
		For 1-1/4" Mesh Fabric, Add	*236.78*	
		For 1-3/4" Mesh Fabric, Add	*147.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-73.57*	
		For Gate With Single Barb Wire Arm, Add	*93.02*	
		For Gate With Double Barb Wire Arm, Add	*135.31*	
32 31 13 13-0447	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,265.06	114.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.98*	
		For 1" Mesh Fabric, Add	*401.31*	
		For 1-1/4" Mesh Fabric, Add	*258.31*	
		For 1-3/4" Mesh Fabric, Add	*160.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.26*	
		For Gate With Single Barb Wire Arm, Add	*101.48*	
		For Gate With Double Barb Wire Arm, Add	*147.61*	
32 31 13 13-0448	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,390.87	130.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-187.39*	
		For 1" Mesh Fabric, Add	*434.75*	
		For 1-1/4" Mesh Fabric, Add	*279.84*	
		For 1-3/4" Mesh Fabric, Add	*173.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-86.95*	
		For Gate With Single Barb Wire Arm, Add	*109.94*	
		For Gate With Double Barb Wire Arm, Add	*159.91*	
32 31 13 13-0449	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,532.98	152.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.81*	
		For 1" Mesh Fabric, Add	*468.19*	
		For 1-1/4" Mesh Fabric, Add	*301.36*	
		For 1-3/4" Mesh Fabric, Add	*187.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.64*	
		For Gate With Single Barb Wire Arm, Add	*118.39*	
		For Gate With Double Barb Wire Arm, Add	*172.21*	
32 31 13 13-0450	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,701.20	182.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-216.22*	
		For 1" Mesh Fabric, Add	*501.64*	
		For 1-1/4" Mesh Fabric, Add	*322.89*	
		For 1-3/4" Mesh Fabric, Add	*200.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-100.33*	
		For Gate With Single Barb Wire Arm, Add	*126.85*	
		For Gate With Double Barb Wire Arm, Add	*184.51*	

32 31 13 13-0451 8' Fence Height *(32 31 13 13-0370)*

32 31 13 13-0452	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	192.79	25.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-21.84*	
		For 1" Mesh Fabric, Add	*50.67*	
		For 1-1/4" Mesh Fabric, Add	*32.61*	
		For 1-3/4" Mesh Fabric, Add	*20.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-10.13*	
		For Gate With Single Barb Wire Arm, Add	*12.81*	
		For Gate With Double Barb Wire Arm, Add	*18.64*	
32 31 13 13-0453	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	231.61	25.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.12*	
		For 1" Mesh Fabric, Add	*67.56*	
		For 1-1/4" Mesh Fabric, Add	*43.48*	
		For 1-3/4" Mesh Fabric, Add	*27.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.51*	
		For Gate With Single Barb Wire Arm, Add	*17.08*	
		For Gate With Double Barb Wire Arm, Add	*24.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0454	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	257.50	25.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.97*	
		For 1" Mesh Fabric, Add	*78.82*	
		For 1-1/4" Mesh Fabric, Add	*50.73*	
		For 1-3/4" Mesh Fabric, Add	*31.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.76*	
		For Gate With Single Barb Wire Arm, Add	*19.93*	
		For Gate With Double Barb Wire Arm, Add	*28.99*	
32 31 13 13-0455	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	303.22	32.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.83*	
		For 1" Mesh Fabric, Add	*90.08*	
		For 1-1/4" Mesh Fabric, Add	*57.98*	
		For 1-3/4" Mesh Fabric, Add	*36.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.02*	
		For Gate With Single Barb Wire Arm, Add	*22.78*	
		For Gate With Double Barb Wire Arm, Add	*33.13*	
32 31 13 13-0456	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	348.95	38.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.68*	
		For 1" Mesh Fabric, Add	*101.34*	
		For 1-1/4" Mesh Fabric, Add	*65.23*	
		For 1-3/4" Mesh Fabric, Add	*40.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.27*	
		For Gate With Single Barb Wire Arm, Add	*25.63*	
		For Gate With Double Barb Wire Arm, Add	*37.27*	
32 31 13 13-0457	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	393.91	44.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.53*	
		For 1" Mesh Fabric, Add	*112.60*	
		For 1-1/4" Mesh Fabric, Add	*72.48*	
		For 1-3/4" Mesh Fabric, Add	*45.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.52*	
		For Gate With Single Barb Wire Arm, Add	*28.47*	
		For Gate With Double Barb Wire Arm, Add	*41.41*	
32 31 13 13-0458	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	439.63	51.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.39*	
		For 1" Mesh Fabric, Add	*123.85*	
		For 1-1/4" Mesh Fabric, Add	*79.72*	
		For 1-3/4" Mesh Fabric, Add	*49.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.77*	
		For Gate With Single Barb Wire Arm, Add	*31.32*	
		For Gate With Double Barb Wire Arm, Add	*45.56*	
32 31 13 13-0459	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	485.36	58.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.24*	
		For 1" Mesh Fabric, Add	*135.12*	
		For 1-1/4" Mesh Fabric, Add	*86.97*	
		For 1-3/4" Mesh Fabric, Add	*54.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.02*	
		For Gate With Single Barb Wire Arm, Add	*34.17*	
		For Gate With Double Barb Wire Arm, Add	*49.70*	
32 31 13 13-0460	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	661.63	65.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.36*	
		For 1" Mesh Fabric, Add	*202.67*	
		For 1-1/4" Mesh Fabric, Add	*130.45*	
		For 1-3/4" Mesh Fabric, Add	*81.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.53*	
		For Gate With Single Barb Wire Arm, Add	*51.25*	
		For Gate With Double Barb Wire Arm, Add	*74.55*	
32 31 13 13-0461	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	769.86	70.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.83*	
		For 1" Mesh Fabric, Add	*243.20*	
		For 1-1/4" Mesh Fabric, Add	*156.55*	
		For 1-3/4" Mesh Fabric, Add	*97.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.64*	
		For Gate With Single Barb Wire Arm, Add	*61.50*	
		For Gate With Double Barb Wire Arm, Add	*89.45*	
32 31 13 13-0462	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	880.61	76.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.30*	
		For 1" Mesh Fabric, Add	*283.74*	
		For 1-1/4" Mesh Fabric, Add	*182.64*	
		For 1-3/4" Mesh Fabric, Add	*113.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.75*	
		For Gate With Single Barb Wire Arm, Add	*71.75*	
		For Gate With Double Barb Wire Arm, Add	*104.36*	
32 31 13 13-0463	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	994.55	82.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.77*	
		For 1" Mesh Fabric, Add	*324.27*	
		For 1-1/4" Mesh Fabric, Add	*208.73*	
		For 1-3/4" Mesh Fabric, Add	*129.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.85*	
		For Gate With Single Barb Wire Arm, Add	*82.00*	
		For Gate With Double Barb Wire Arm, Add	*119.27*	
32 31 13 13-0464	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,112.64	91.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-157.24*	
		For 1" Mesh Fabric, Add	*364.80*	
		For 1-1/4" Mesh Fabric, Add	*234.82*	
		For 1-3/4" Mesh Fabric, Add	*145.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.96*	
		For Gate With Single Barb Wire Arm, Add	*92.25*	
		For Gate With Double Barb Wire Arm, Add	*134.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0465	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,236.26	101.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.71*	
		For 1" Mesh Fabric, Add	*405.34*	
		For 1-1/4" Mesh Fabric, Add	*260.91*	
		For 1-3/4" Mesh Fabric, Add	*162.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.07*	
		For Gate With Single Barb Wire Arm, Add	*102.50*	
		For Gate With Double Barb Wire Arm, Add	*149.09*	
32 31 13 13-0466	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,367.50	114.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-192.19*	
		For 1" Mesh Fabric, Add	*445.87*	
		For 1-1/4" Mesh Fabric, Add	*287.00*	
		For 1-3/4" Mesh Fabric, Add	*178.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.17*	
		For Gate With Single Barb Wire Arm, Add	*112.75*	
		For Gate With Double Barb Wire Arm, Add	*164.00*	
32 31 13 13-0467	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,509.61	130.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.66*	
		For 1" Mesh Fabric, Add	*486.40*	
		For 1-1/4" Mesh Fabric, Add	*313.09*	
		For 1-3/4" Mesh Fabric, Add	*194.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.28*	
		For Gate With Single Barb Wire Arm, Add	*123.00*	
		For Gate With Double Barb Wire Arm, Add	*178.91*	
32 31 13 13-0468	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,668.04	152.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.13*	
		For 1" Mesh Fabric, Add	*526.94*	
		For 1-1/4" Mesh Fabric, Add	*339.18*	
		For 1-3/4" Mesh Fabric, Add	*210.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.39*	
		For Gate With Single Barb Wire Arm, Add	*133.25*	
		For Gate With Double Barb Wire Arm, Add	*193.82*	
32 31 13 13-0469	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,852.55	182.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.60*	
		For 1" Mesh Fabric, Add	*567.47*	
		For 1-1/4" Mesh Fabric, Add	*365.27*	
		For 1-3/4" Mesh Fabric, Add	*226.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.49*	
		For Gate With Single Barb Wire Arm, Add	*143.50*	
		For Gate With Double Barb Wire Arm, Add	*208.73*	
32 31 13 13-0470	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,082.73	228.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.07*	
		For 1" Mesh Fabric, Add	*608.01*	
		For 1-1/4" Mesh Fabric, Add	*391.36*	
		For 1-3/4" Mesh Fabric, Add	*243.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.60*	
		For Gate With Single Barb Wire Arm, Add	*153.75*	
		For Gate With Double Barb Wire Arm, Add	*223.64*	
32 31 13 13-0471		**10' Fence Height** *(32 31 13 13-0370)*		
32 31 13 13-0472	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	219.91	28.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.34*	
		For 1" Mesh Fabric, Add	*58.78*	
		For 1-1/4" Mesh Fabric, Add	*37.83*	
		For 1-3/4" Mesh Fabric, Add	*23.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.76*	
		For Gate With Single Barb Wire Arm, Add	*14.86*	
		For Gate With Double Barb Wire Arm, Add	*21.62*	
32 31 13 13-0473	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	264.95	28.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.78*	
		For 1" Mesh Fabric, Add	*78.37*	
		For 1-1/4" Mesh Fabric, Add	*50.44*	
		For 1-3/4" Mesh Fabric, Add	*31.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.67*	
		For Gate With Single Barb Wire Arm, Add	*19.82*	
		For Gate With Double Barb Wire Arm, Add	*28.83*	
32 31 13 13-0474	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	298.71	29.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.41*	
		For 1" Mesh Fabric, Add	*91.43*	
		For 1-1/4" Mesh Fabric, Add	*58.85*	
		For 1-3/4" Mesh Fabric, Add	*36.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.29*	
		For Gate With Single Barb Wire Arm, Add	*23.12*	
		For Gate With Double Barb Wire Arm, Add	*33.63*	
32 31 13 13-0475	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	350.09	36.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.04*	
		For 1" Mesh Fabric, Add	*104.49*	
		For 1-1/4" Mesh Fabric, Add	*67.26*	
		For 1-3/4" Mesh Fabric, Add	*41.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.90*	
		For Gate With Single Barb Wire Arm, Add	*26.42*	
		For Gate With Double Barb Wire Arm, Add	*38.43*	
32 31 13 13-0476	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	400.73	43.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.67*	
		For 1" Mesh Fabric, Add	*117.55*	
		For 1-1/4" Mesh Fabric, Add	*75.67*	
		For 1-3/4" Mesh Fabric, Add	*47.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.51*	
		For Gate With Single Barb Wire Arm, Add	*29.73*	
		For Gate With Double Barb Wire Arm, Add	*43.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0477	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	452.12	50.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.30*	
		For 1" Mesh Fabric, Add	*130.62*	
		For 1-1/4" Mesh Fabric, Add	*84.08*	
		For 1-3/4" Mesh Fabric, Add	*52.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.12*	
		For Gate With Single Barb Wire Arm, Add	*33.03*	
		For Gate With Double Barb Wire Arm, Add	*48.04*	
32 31 13 13-0478	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	502.75	57.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.93*	
		For 1" Mesh Fabric, Add	*143.68*	
		For 1-1/4" Mesh Fabric, Add	*92.48*	
		For 1-3/4" Mesh Fabric, Add	*57.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.74*	
		For Gate With Single Barb Wire Arm, Add	*36.33*	
		For Gate With Double Barb Wire Arm, Add	*52.85*	
32 31 13 13-0479	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	554.15	64.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.56*	
		For 1" Mesh Fabric, Add	*156.74*	
		For 1-1/4" Mesh Fabric, Add	*100.89*	
		For 1-3/4" Mesh Fabric, Add	*62.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.35*	
		For Gate With Single Barb Wire Arm, Add	*39.64*	
		For Gate With Double Barb Wire Arm, Add	*57.65*	
32 31 13 13-0480	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	757.94	72.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.34*	
		For 1" Mesh Fabric, Add	*235.10*	
		For 1-1/4" Mesh Fabric, Add	*151.33*	
		For 1-3/4" Mesh Fabric, Add	*94.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.02*	
		For Gate With Single Barb Wire Arm, Add	*59.45*	
		For Gate With Double Barb Wire Arm, Add	*86.48*	
32 31 13 13-0481	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	882.68	77.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-121.61*	
		For 1" Mesh Fabric, Add	*282.13*	
		For 1-1/4" Mesh Fabric, Add	*181.60*	
		For 1-3/4" Mesh Fabric, Add	*112.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.43*	
		For Gate With Single Barb Wire Arm, Add	*71.34*	
		For Gate With Double Barb Wire Arm, Add	*103.77*	
32 31 13 13-0482	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,010.37	84.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-141.87*	
		For 1" Mesh Fabric, Add	*329.15*	
		For 1-1/4" Mesh Fabric, Add	*211.86*	
		For 1-3/4" Mesh Fabric, Add	*131.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-65.83*	
		For Gate With Single Barb Wire Arm, Add	*83.23*	
		For Gate With Double Barb Wire Arm, Add	*121.07*	
32 31 13 13-0483	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,141.42	92.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-162.14*	
		For 1" Mesh Fabric, Add	*376.17*	
		For 1-1/4" Mesh Fabric, Add	*242.13*	
		For 1-3/4" Mesh Fabric, Add	*150.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.23*	
		For Gate With Single Barb Wire Arm, Add	*95.12*	
		For Gate With Double Barb Wire Arm, Add	*138.36*	
32 31 13 13-0484	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,277.30	101.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.41*	
		For 1" Mesh Fabric, Add	*423.19*	
		For 1-1/4" Mesh Fabric, Add	*272.40*	
		For 1-3/4" Mesh Fabric, Add	*169.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.64*	
		For Gate With Single Barb Wire Arm, Add	*107.01*	
		For Gate With Double Barb Wire Arm, Add	*155.66*	
32 31 13 13-0485	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,419.06	112.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.68*	
		For 1" Mesh Fabric, Add	*470.21*	
		For 1-1/4" Mesh Fabric, Add	*302.67*	
		For 1-3/4" Mesh Fabric, Add	*188.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-94.04*	
		For Gate With Single Barb Wire Arm, Add	*118.90*	
		For Gate With Double Barb Wire Arm, Add	*172.95*	
32 31 13 13-0486	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,569.61	126.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.95*	
		For 1" Mesh Fabric, Add	*517.23*	
		For 1-1/4" Mesh Fabric, Add	*332.93*	
		For 1-3/4" Mesh Fabric, Add	*206.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.45*	
		For Gate With Single Barb Wire Arm, Add	*130.79*	
		For Gate With Double Barb Wire Arm, Add	*190.25*	
32 31 13 13-0487	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,731.79	144.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-243.21*	
		For 1" Mesh Fabric, Add	*564.26*	
		For 1-1/4" Mesh Fabric, Add	*363.20*	
		For 1-3/4" Mesh Fabric, Add	*225.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.85*	
		For Gate With Single Barb Wire Arm, Add	*142.69*	
		For Gate With Double Barb Wire Arm, Add	*207.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0488	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,912.64	168.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-263.48*	
		For 1" Mesh Fabric, Add	*611.28*	
		For 1-1/4" Mesh Fabric, Add	*393.46*	
		For 1-3/4" Mesh Fabric, Add	*244.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-122.26*	
		For Gate With Single Barb Wire Arm, Add	*154.58*	
		For Gate With Double Barb Wire Arm, Add	*224.84*	
32 31 13 13-0489	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,121.69	202.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-283.75*	
		For 1" Mesh Fabric, Add	*658.30*	
		For 1-1/4" Mesh Fabric, Add	*423.73*	
		For 1-3/4" Mesh Fabric, Add	*263.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.66*	
		For Gate With Single Barb Wire Arm, Add	*166.47*	
		For Gate With Double Barb Wire Arm, Add	*242.13*	
32 31 13 13-0490	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,382.54	253.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-304.02*	
		For 1" Mesh Fabric, Add	*705.32*	
		For 1-1/4" Mesh Fabric, Add	*454.00*	
		For 1-3/4" Mesh Fabric, Add	*282.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-141.06*	
		For Gate With Single Barb Wire Arm, Add	*178.36*	
		For Gate With Double Barb Wire Arm, Add	*259.43*	

32 31 13 13-0491 12' Fence Height *(32 31 13 13-0370)*

32 31 13 13-0492	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	282.65	31.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.33*	
		For 1" Mesh Fabric, Add	*81.97*	
		For 1-1/4" Mesh Fabric, Add	*52.76*	
		For 1-3/4" Mesh Fabric, Add	*32.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.39*	
		For Gate With Single Barb Wire Arm, Add	*20.73*	
		For Gate With Double Barb Wire Arm, Add	*30.15*	
32 31 13 13-0493	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	345.28	31.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-47.08*	
		For 1" Mesh Fabric, Add	*109.22*	
		For 1-1/4" Mesh Fabric, Add	*70.30*	
		For 1-3/4" Mesh Fabric, Add	*43.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.84*	
		For Gate With Single Barb Wire Arm, Add	*27.62*	
		For Gate With Double Barb Wire Arm, Add	*40.17*	
32 31 13 13-0494	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	395.34	32.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.81*	
		For 1" Mesh Fabric, Add	*129.49*	
		For 1-1/4" Mesh Fabric, Add	*83.35*	
		For 1-3/4" Mesh Fabric, Add	*51.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.90*	
		For Gate With Single Barb Wire Arm, Add	*32.74*	
		For Gate With Double Barb Wire Arm, Add	*47.63*	
32 31 13 13-0495	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	457.82	40.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.09*	
		For 1" Mesh Fabric, Add	*146.37*	
		For 1-1/4" Mesh Fabric, Add	*94.22*	
		For 1-3/4" Mesh Fabric, Add	*58.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.27*	
		For Gate With Single Barb Wire Arm, Add	*37.01*	
		For Gate With Double Barb Wire Arm, Add	*53.84*	
32 31 13 13-0496	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	524.62	48.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.18*	
		For 1" Mesh Fabric, Add	*165.14*	
		For 1-1/4" Mesh Fabric, Add	*106.30*	
		For 1-3/4" Mesh Fabric, Add	*66.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.03*	
		For Gate With Single Barb Wire Arm, Add	*41.76*	
		For Gate With Double Barb Wire Arm, Add	*60.74*	
32 31 13 13-0497	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	590.66	55.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-79.27*	
		For 1" Mesh Fabric, Add	*183.90*	
		For 1-1/4" Mesh Fabric, Add	*118.38*	
		For 1-3/4" Mesh Fabric, Add	*73.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.78*	
		For Gate With Single Barb Wire Arm, Add	*46.50*	
		For Gate With Double Barb Wire Arm, Add	*67.64*	
32 31 13 13-0498	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	657.45	63.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.36*	
		For 1" Mesh Fabric, Add	*202.67*	
		For 1-1/4" Mesh Fabric, Add	*130.45*	
		For 1-3/4" Mesh Fabric, Add	*81.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.53*	
		For Gate With Single Barb Wire Arm, Add	*51.25*	
		For Gate With Double Barb Wire Arm, Add	*74.55*	
32 31 13 13-0499	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	719.94	71.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.64*	
		For 1" Mesh Fabric, Add	*219.56*	
		For 1-1/4" Mesh Fabric, Add	*141.33*	
		For 1-3/4" Mesh Fabric, Add	*87.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.91*	
		For Gate With Single Barb Wire Arm, Add	*55.52*	
		For Gate With Double Barb Wire Arm, Add	*80.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0500	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	998.40	80.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-141.91*	
		For 1" Mesh Fabric, Add	*329.23*	
		For 1-1/4" Mesh Fabric, Add	*211.92*	
		For 1-3/4" Mesh Fabric, Add	*131.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-65.85*	
		For Gate With Single Barb Wire Arm, Add	*83.25*	
		For Gate With Double Barb Wire Arm, Add	*121.10*	
32 31 13 13-0501	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,192.92	86.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.91*	
		For 1" Mesh Fabric, Add	*405.79*	
		For 1-1/4" Mesh Fabric, Add	*261.20*	
		For 1-3/4" Mesh Fabric, Add	*162.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.16*	
		For Gate With Single Barb Wire Arm, Add	*102.61*	
		For Gate With Double Barb Wire Arm, Add	*149.26*	
32 31 13 13-0502	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,371.10	93.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.23*	
		For 1" Mesh Fabric, Add	*473.80*	
		For 1-1/4" Mesh Fabric, Add	*304.98*	
		For 1-3/4" Mesh Fabric, Add	*189.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-94.76*	
		For Gate With Single Barb Wire Arm, Add	*119.81*	
		For Gate With Double Barb Wire Arm, Add	*174.27*	
32 31 13 13-0503	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,551.95	102.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-233.34*	
		For 1" Mesh Fabric, Add	*541.36*	
		For 1-1/4" Mesh Fabric, Add	*348.46*	
		For 1-3/4" Mesh Fabric, Add	*216.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.27*	
		For Gate With Single Barb Wire Arm, Add	*136.90*	
		For Gate With Double Barb Wire Arm, Add	*199.12*	
32 31 13 13-0504	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,736.02	112.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.08*	
		For 1" Mesh Fabric, Add	*608.02*	
		For 1-1/4" Mesh Fabric, Add	*391.37*	
		For 1-3/4" Mesh Fabric, Add	*243.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.60*	
		For Gate With Single Barb Wire Arm, Add	*153.75*	
		For Gate With Double Barb Wire Arm, Add	*223.64*	
32 31 13 13-0505	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,928.59	125.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.20*	
		For 1" Mesh Fabric, Add	*675.57*	
		For 1-1/4" Mesh Fabric, Add	*434.85*	
		For 1-3/4" Mesh Fabric, Add	*270.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.11*	
		For Gate With Single Barb Wire Arm, Add	*170.83*	
		For Gate With Double Barb Wire Arm, Add	*248.49*	
32 31 13 13-0506	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,131.19	140.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-320.31*	
		For 1" Mesh Fabric, Add	*743.13*	
		For 1-1/4" Mesh Fabric, Add	*478.34*	
		For 1-3/4" Mesh Fabric, Add	*297.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-148.63*	
		For Gate With Single Barb Wire Arm, Add	*187.92*	
		For Gate With Double Barb Wire Arm, Add	*273.33*	
32 31 13 13-0507	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,346.60	160.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-349.43*	
		For 1" Mesh Fabric, Add	*810.69*	
		For 1-1/4" Mesh Fabric, Add	*521.82*	
		For 1-3/4" Mesh Fabric, Add	*324.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-162.14*	
		For Gate With Single Barb Wire Arm, Add	*205.00*	
		For Gate With Double Barb Wire Arm, Add	*298.18*	
32 31 13 13-0508	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,587.92	187.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-379.52*	
		For 1" Mesh Fabric, Add	*880.50*	
		For 1-1/4" Mesh Fabric, Add	*566.76*	
		For 1-3/4" Mesh Fabric, Add	*352.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-176.10*	
		For Gate With Single Barb Wire Arm, Add	*222.65*	
		For Gate With Double Barb Wire Arm, Add	*323.86*	
32 31 13 13-0509	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,855.38	225.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-408.64*	
		For 1" Mesh Fabric, Add	*948.05*	
		For 1-1/4" Mesh Fabric, Add	*610.24*	
		For 1-3/4" Mesh Fabric, Add	*379.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-189.61*	
		For Gate With Single Barb Wire Arm, Add	*239.74*	
		For Gate With Double Barb Wire Arm, Add	*348.71*	
32 31 13 13-0510	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,180.43	281.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-437.76*	
		For 1" Mesh Fabric, Add	*1,015.61*	
		For 1-1/4" Mesh Fabric, Add	*653.73*	
		For 1-3/4" Mesh Fabric, Add	*406.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.12*	
		For Gate With Single Barb Wire Arm, Add	*256.82*	
		For Gate With Double Barb Wire Arm, Add	*373.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0511		Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0228)*		
		Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0595 for additonal gate accessories, 32 31 13 13-0655 for gate repacement parts.		
32 31 13 13-0512		4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0511)*		
32 31 13 13-0513	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	1,724.75	277.95
		For 1" Mesh Fabric, Add	*508.44*	
		For 1-1/4" Mesh Fabric, Add	*327.27*	
		For 1-3/4" Mesh Fabric, Add	*203.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-101.69*	
		For Gate With Barb Wire Arm, Add	*128.57*	
		For Vinyl Coated, Add	*350.65*	
32 31 13 13-0514	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,073.65	335.58
		For 1" Mesh Fabric, Add	*610.13*	
		For 1-1/4" Mesh Fabric, Add	*392.73*	
		For 1-3/4" Mesh Fabric, Add	*244.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-122.03*	
		For Gate With Barb Wire Arm, Add	*154.28*	
		For Vinyl Coated, Add	*420.78*	
32 31 13 13-0515	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,419.40	391.49
		For 1" Mesh Fabric, Add	*711.81*	
		For 1-1/4" Mesh Fabric, Add	*458.18*	
		For 1-3/4" Mesh Fabric, Add	*284.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.36*	
		For Gate With Barb Wire Arm, Add	*180.00*	
		For Vinyl Coated, Add	*490.91*	
32 31 13 13-0516	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,770.03	449.96
		For 1" Mesh Fabric, Add	*813.50*	
		For 1-1/4" Mesh Fabric, Add	*523.63*	
		For 1-3/4" Mesh Fabric, Add	*325.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-162.70*	
		For Gate With Barb Wire Arm, Add	*205.71*	
		For Vinyl Coated, Add	*561.04*	
32 31 13 13-0517	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,116.32	506.22
		For 1" Mesh Fabric, Add	*915.19*	
		For 1-1/4" Mesh Fabric, Add	*589.09*	
		For 1-3/4" Mesh Fabric, Add	*366.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-183.04*	
		For Gate With Barb Wire Arm, Add	*231.43*	
		For Vinyl Coated, Add	*631.16*	
32 31 13 13-0518	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,452.21	557.26
		For 1" Mesh Fabric, Add	*1,016.88*	
		For 1-1/4" Mesh Fabric, Add	*654.54*	
		For 1-3/4" Mesh Fabric, Add	*406.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.38*	
		For Gate With Barb Wire Arm, Add	*257.14*	
		For Vinyl Coated, Add	*701.30*	
32 31 13 13-0519	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,126.70	671.06
		For 1" Mesh Fabric, Add	*1,211.30*	
		For 1-1/4" Mesh Fabric, Add	*779.69*	
		For 1-3/4" Mesh Fabric, Add	*484.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-242.26*	
		For Gate With Barb Wire Arm, Add	*306.30*	
		For Vinyl Coated, Add	*835.38*	
32 31 13 13-0520	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,039.80	1,266.67
		For 1" Mesh Fabric, Add	*1,525.31*	
		For 1-1/4" Mesh Fabric, Add	*981.81*	
		For 1-3/4" Mesh Fabric, Add	*610.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-305.06*	
		For Gate With Barb Wire Arm, Add	*385.71*	
		For Vinyl Coated, Add	*1,051.94*	
32 31 13 13-0521	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	8,053.06	1,688.90
		For 1" Mesh Fabric, Add	*2,033.75*	
		For 1-1/4" Mesh Fabric, Add	*1,309.08*	
		For 1-3/4" Mesh Fabric, Add	*813.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-406.75*	
		For Gate With Barb Wire Arm, Add	*514.28*	
		For Vinyl Coated, Add	*1,402.59*	
32 31 13 13-0522		5' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0511)*		
32 31 13 13-0523	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	1,808.20	302.52
		For 1" Mesh Fabric, Add	*523.38*	
		For 1-1/4" Mesh Fabric, Add	*336.89*	
		For 1-3/4" Mesh Fabric, Add	*209.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.68*	
		For Gate With Barb Wire Arm, Add	*132.35*	
		For Vinyl Coated, Add	*360.95*	
32 31 13 13-0524	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,168.99	362.63
		For 1" Mesh Fabric, Add	*628.06*	
		For 1-1/4" Mesh Fabric, Add	*404.27*	
		For 1-3/4" Mesh Fabric, Add	*251.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-125.61*	
		For Gate With Barb Wire Arm, Add	*158.82*	
		For Vinyl Coated, Add	*433.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0525	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,530.36	422.99
		For 1" Mesh Fabric, Add	*732.74*	
		For 1-1/4" Mesh Fabric, Add	*471.65*	
		For 1-3/4" Mesh Fabric, Add	*293.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.55*	
		For Gate With Barb Wire Arm, Add	*185.29*	
		For Vinyl Coated, Add	*505.34*	
32 31 13 13-0526	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,892.06	483.53
		For 1" Mesh Fabric, Add	*837.41*	
		For 1-1/4" Mesh Fabric, Add	*539.02*	
		For 1-3/4" Mesh Fabric, Add	*334.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-167.48*	
		For Gate With Barb Wire Arm, Add	*211.76*	
		For Vinyl Coated, Add	*577.52*	
32 31 13 13-0527	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,253.37	543.81
		For 1" Mesh Fabric, Add	*942.08*	
		For 1-1/4" Mesh Fabric, Add	*606.40*	
		For 1-3/4" Mesh Fabric, Add	*376.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-188.42*	
		For Gate With Barb Wire Arm, Add	*238.23*	
		For Vinyl Coated, Add	*649.71*	
32 31 13 13-0528	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,614.91	604.27
		For 1" Mesh Fabric, Add	*1,046.76*	
		For 1-1/4" Mesh Fabric, Add	*673.78*	
		For 1-3/4" Mesh Fabric, Add	*418.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-209.35*	
		For Gate With Barb Wire Arm, Add	*264.70*	
		For Vinyl Coated, Add	*721.91*	
32 31 13 13-0529	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,318.35	725.95
		For 1" Mesh Fabric, Add	*1,246.90*	
		For 1-1/4" Mesh Fabric, Add	*802.60*	
		For 1-3/4" Mesh Fabric, Add	*498.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-249.38*	
		For Gate With Barb Wire Arm, Add	*315.31*	
		For Vinyl Coated, Add	*859.93*	
32 31 13 13-0530	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,422.68	906.62
		For 1" Mesh Fabric, Add	*1,570.14*	
		For 1-1/4" Mesh Fabric, Add	*1,010.67*	
		For 1-3/4" Mesh Fabric, Add	*628.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-314.03*	
		For Gate With Barb Wire Arm, Add	*397.05*	
		For Vinyl Coated, Add	*1,082.86*	
32 31 13 13-0531	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,229.81	1,208.53
		For 1" Mesh Fabric, Add	*2,093.52*	
		For 1-1/4" Mesh Fabric, Add	*1,347.55*	
		For 1-3/4" Mesh Fabric, Add	*837.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-418.70*	
		For Gate With Barb Wire Arm, Add	*529.40*	
		For Vinyl Coated, Add	*1,443.81*	

32 31 13 13-0532 6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0511)*

32 31 13 13-0533	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	1,936.49	354.66
		For 1" Mesh Fabric, Add	*533.84*	
		For 1-1/4" Mesh Fabric, Add	*343.62*	
		For 1-3/4" Mesh Fabric, Add	*213.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.77*	
		For Gate With Barb Wire Arm, Add	*134.99*	
		For Vinyl Coated, Add	*368.17*	
32 31 13 13-0534	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,321.28	424.28
		For 1" Mesh Fabric, Add	*640.61*	
		For 1-1/4" Mesh Fabric, Add	*412.34*	
		For 1-3/4" Mesh Fabric, Add	*256.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.12*	
		For Gate With Barb Wire Arm, Add	*161.99*	
		For Vinyl Coated, Add	*441.80*	
32 31 13 13-0535	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,708.01	494.92
		For 1" Mesh Fabric, Add	*747.38*	
		For 1-1/4" Mesh Fabric, Add	*481.07*	
		For 1-3/4" Mesh Fabric, Add	*298.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.48*	
		For Gate With Barb Wire Arm, Add	*188.99*	
		For Vinyl Coated, Add	*515.43*	
32 31 13 13-0536	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,095.05	565.73
		For 1" Mesh Fabric, Add	*854.14*	
		For 1-1/4" Mesh Fabric, Add	*549.79*	
		For 1-3/4" Mesh Fabric, Add	*341.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-170.83*	
		For Gate With Barb Wire Arm, Add	*215.99*	
		For Vinyl Coated, Add	*589.07*	
32 31 13 13-0537	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,481.79	636.38
		For 1" Mesh Fabric, Add	*960.92*	
		For 1-1/4" Mesh Fabric, Add	*618.52*	
		For 1-3/4" Mesh Fabric, Add	*384.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-192.18*	
		For Gate With Barb Wire Arm, Add	*242.99*	
		For Vinyl Coated, Add	*662.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0538	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,873.28	709.42
		For 1" Mesh Fabric, Add	*1,067.68*	
		For 1-1/4" Mesh Fabric, Add	*687.24*	
		For 1-3/4" Mesh Fabric, Add	*427.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.54*	
		For Gate With Barb Wire Arm, Add	*269.99*	
		For Vinyl Coated, Add	*736.33*	
32 31 13 13-0539	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,620.98	848.65
		For 1" Mesh Fabric, Add	*1,271.82*	
		For 1-1/4" Mesh Fabric, Add	*818.64*	
		For 1-3/4" Mesh Fabric, Add	*508.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-254.36*	
		For Gate With Barb Wire Arm, Add	*321.61*	
		For Vinyl Coated, Add	*877.12*	
32 31 13 13-0540	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,803.75	1,061.09
		For 1" Mesh Fabric, Add	*1,601.52*	
		For 1-1/4" Mesh Fabric, Add	*1,030.86*	
		For 1-3/4" Mesh Fabric, Add	*640.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-320.30*	
		For Gate With Barb Wire Arm, Add	*404.98*	
		For Vinyl Coated, Add	*1,104.50*	
32 31 13 13-0541	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,737.18	1,414.12
		For 1" Mesh Fabric, Add	*2,135.36*	
		For 1-1/4" Mesh Fabric, Add	*1,374.49*	
		For 1-3/4" Mesh Fabric, Add	*854.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.07*	
		For Gate With Barb Wire Arm, Add	*539.98*	
		For Vinyl Coated, Add	*1,472.66*	
32 31 13 13-0542		**7' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0511)*		
32 31 13 13-0543	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	2,066.51	395.59
		For 1" Mesh Fabric, Add	*554.76*	
		For 1-1/4" Mesh Fabric, Add	*357.09*	
		For 1-3/4" Mesh Fabric, Add	*221.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.95*	
		For Gate With Barb Wire Arm, Add	*140.29*	
		For Vinyl Coated, Add	*382.60*	
32 31 13 13-0544	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	2,479.19	474.37
		For 1" Mesh Fabric, Add	*665.73*	
		For 1-1/4" Mesh Fabric, Add	*428.52*	
		For 1-3/4" Mesh Fabric, Add	*266.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.15*	
		For Gate With Barb Wire Arm, Add	*168.35*	
		For Vinyl Coated, Add	*459.13*	
32 31 13 13-0545	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	2,893.15	553.83
		For 1" Mesh Fabric, Add	*776.66*	
		For 1-1/4" Mesh Fabric, Add	*499.92*	
		For 1-3/4" Mesh Fabric, Add	*310.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.33*	
		For Gate With Barb Wire Arm, Add	*196.40*	
		For Vinyl Coated, Add	*535.63*	
32 31 13 13-0546	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,305.76	632.61
		For 1" Mesh Fabric, Add	*887.62*	
		For 1-1/4" Mesh Fabric, Add	*571.34*	
		For 1-3/4" Mesh Fabric, Add	*355.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-177.52*	
		For Gate With Barb Wire Arm, Add	*224.46*	
		For Vinyl Coated, Add	*612.15*	
32 31 13 13-0547	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,719.11	711.82
		For 1" Mesh Fabric, Add	*998.57*	
		For 1-1/4" Mesh Fabric, Add	*642.76*	
		For 1-3/4" Mesh Fabric, Add	*399.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-199.71*	
		For Gate With Barb Wire Arm, Add	*252.51*	
		For Vinyl Coated, Add	*688.67*	
32 31 13 13-0548	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,131.91	790.68
		For 1" Mesh Fabric, Add	*1,109.52*	
		For 1-1/4" Mesh Fabric, Add	*714.18*	
		For 1-3/4" Mesh Fabric, Add	*443.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-221.90*	
		For Gate With Barb Wire Arm, Add	*280.57*	
		For Vinyl Coated, Add	*765.19*	
32 31 13 13-0549	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,935.84	948.75
		For 1" Mesh Fabric, Add	*1,321.66*	
		For 1-1/4" Mesh Fabric, Add	*850.72*	
		For 1-3/4" Mesh Fabric, Add	*528.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-264.33*	
		For Gate With Barb Wire Arm, Add	*334.21*	
		For Vinyl Coated, Add	*911.49*	
32 31 13 13-0550	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,197.86	1,185.93
		For 1" Mesh Fabric, Add	*1,664.28*	
		For 1-1/4" Mesh Fabric, Add	*1,071.26*	
		For 1-3/4" Mesh Fabric, Add	*665.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-332.86*	
		For Gate With Barb Wire Arm, Add	*420.85*	
		For Vinyl Coated, Add	*1,147.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0551	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	8,263.82	1,581.27
		For 1" Mesh Fabric, Add	*2,219.04*	
		For 1-1/4" Mesh Fabric, Add	*1,428.35*	
		For 1-3/4" Mesh Fabric, Add	*887.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-443.81*	
		For Gate With Barb Wire Arm, Add	*561.14*	
		For Vinyl Coated, Add	*1,530.38*	

32 31 13 13-0552 8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0511)*

32 31 13 13-0553	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	2,170.22	428.56
		For 1" Mesh Fabric, Add	*571.20*	
		For 1-1/4" Mesh Fabric, Add	*367.67*	
		For 1-3/4" Mesh Fabric, Add	*228.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-114.24*	
		For Gate With Barb Wire Arm, Add	*144.44*	
		For Vinyl Coated, Add	*393.93*	
32 31 13 13-0554	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	2,601.81	513.07
		For 1" Mesh Fabric, Add	*685.44*	
		For 1-1/4" Mesh Fabric, Add	*441.20*	
		For 1-3/4" Mesh Fabric, Add	*274.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-137.09*	
		For Gate With Barb Wire Arm, Add	*173.33*	
		For Vinyl Coated, Add	*472.72*	
32 31 13 13-0555	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,035.49	598.62
		For 1" Mesh Fabric, Add	*799.68*	
		For 1-1/4" Mesh Fabric, Add	*514.74*	
		For 1-3/4" Mesh Fabric, Add	*319.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-159.94*	
		For Gate With Barb Wire Arm, Add	*202.22*	
		For Vinyl Coated, Add	*551.50*	
32 31 13 13-0556	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,469.34	684.15
		For 1" Mesh Fabric, Add	*913.92*	
		For 1-1/4" Mesh Fabric, Add	*588.27*	
		For 1-3/4" Mesh Fabric, Add	*365.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-182.78*	
		For Gate With Barb Wire Arm, Add	*231.11*	
		For Vinyl Coated, Add	*630.29*	
32 31 13 13-0557	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,902.25	769.35
		For 1" Mesh Fabric, Add	*1,028.16*	
		For 1-1/4" Mesh Fabric, Add	*661.80*	
		For 1-3/4" Mesh Fabric, Add	*411.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-205.63*	
		For Gate With Barb Wire Arm, Add	*259.99*	
		For Vinyl Coated, Add	*709.07*	
32 31 13 13-0558	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,336.17	854.98
		For 1" Mesh Fabric, Add	*1,142.40*	
		For 1-1/4" Mesh Fabric, Add	*735.34*	
		For 1-3/4" Mesh Fabric, Add	*456.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-228.48*	
		For Gate With Barb Wire Arm, Add	*288.88*	
		For Vinyl Coated, Add	*787.86*	
32 31 13 13-0559	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,180.48	1,026.07
		For 1" Mesh Fabric, Add	*1,360.82*	
		For 1-1/4" Mesh Fabric, Add	*875.93*	
		For 1-3/4" Mesh Fabric, Add	*544.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-272.16*	
		For Gate With Barb Wire Arm, Add	*344.12*	
		For Vinyl Coated, Add	*938.50*	
32 31 13 13-0560	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,504.89	1,282.77
		For 1" Mesh Fabric, Add	*1,713.60*	
		For 1-1/4" Mesh Fabric, Add	*1,103.00*	
		For 1-3/4" Mesh Fabric, Add	*685.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.72*	
		For Gate With Barb Wire Arm, Add	*433.32*	
		For Vinyl Coated, Add	*1,181.79*	
32 31 13 13-0561	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,670.63	1,709.11
		For 1" Mesh Fabric, Add	*2,284.79*	
		For 1-1/4" Mesh Fabric, Add	*1,470.67*	
		For 1-3/4" Mesh Fabric, Add	*913.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.96*	
		For Gate With Barb Wire Arm, Add	*577.76*	
		For Vinyl Coated, Add	*1,575.72*	

32 31 13 13-0562 9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0511)*

32 31 13 13-0563	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	2,292.79	467.52
		For 1" Mesh Fabric, Add	*590.62*	
		For 1-1/4" Mesh Fabric, Add	*380.17*	
		For 1-3/4" Mesh Fabric, Add	*236.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-118.12*	
		For Gate With Barb Wire Arm, Add	*149.35*	
		For Vinyl Coated, Add	*407.33*	
32 31 13 13-0564	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	2,747.88	559.31
		For 1" Mesh Fabric, Add	*708.75*	
		For 1-1/4" Mesh Fabric, Add	*456.21*	
		For 1-3/4" Mesh Fabric, Add	*283.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-141.75*	
		For Gate With Barb Wire Arm, Add	*179.22*	
		For Vinyl Coated, Add	*488.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0565	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,205.65	652.38
		For 1" Mesh Fabric, Add	*826.87*	
		For 1-1/4" Mesh Fabric, Add	*532.24*	
		For 1-3/4" Mesh Fabric, Add	*330.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.37*	
		For Gate With Barb Wire Arm, Add	*209.09*	
		For Vinyl Coated, Add	*570.26*	
32 31 13 13-0566	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,664.16	745.89
		For 1" Mesh Fabric, Add	*945.00*	
		For 1-1/4" Mesh Fabric, Add	*608.27*	
		For 1-3/4" Mesh Fabric, Add	*378.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-189.00*	
		For Gate With Barb Wire Arm, Add	*238.97*	
		For Vinyl Coated, Add	*651.72*	
32 31 13 13-0567	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,122.08	839.05
		For 1" Mesh Fabric, Add	*1,063.12*	
		For 1-1/4" Mesh Fabric, Add	*684.31*	
		For 1-3/4" Mesh Fabric, Add	*425.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-212.62*	
		For Gate With Barb Wire Arm, Add	*268.84*	
		For Vinyl Coated, Add	*733.19*	
32 31 13 13-0568	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,580.01	932.22
		For 1" Mesh Fabric, Add	*1,181.25*	
		For 1-1/4" Mesh Fabric, Add	*760.35*	
		For 1-3/4" Mesh Fabric, Add	*472.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-236.25*	
		For Gate With Barb Wire Arm, Add	*298.71*	
		For Vinyl Coated, Add	*814.66*	
32 31 13 13-0569	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,471.85	1,118.54
		For 1" Mesh Fabric, Add	*1,407.10*	
		For 1-1/4" Mesh Fabric, Add	*905.72*	
		For 1-3/4" Mesh Fabric, Add	*562.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-281.42*	
		For Gate With Barb Wire Arm, Add	*355.82*	
		For Vinyl Coated, Add	*970.41*	
32 31 13 13-0570	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,869.24	1,398.02
		For 1" Mesh Fabric, Add	*1,771.87*	
		For 1-1/4" Mesh Fabric, Add	*1,140.52*	
		For 1-3/4" Mesh Fabric, Add	*708.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-354.37*	
		For Gate With Barb Wire Arm, Add	*448.06*	
		For Vinyl Coated, Add	*1,221.98*	
32 31 13 13-0571	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,162.04	1,865.54
		For 1" Mesh Fabric, Add	*2,362.50*	
		For 1-1/4" Mesh Fabric, Add	*1,520.69*	
		For 1-3/4" Mesh Fabric, Add	*945.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-472.50*	
		For Gate With Barb Wire Arm, Add	*597.41*	
		For Vinyl Coated, Add	*1,629.31*	

32 31 13 13-0572 10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0511)*

32 31 13 13-0573	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	2,444.70	514.27
		For 1" Mesh Fabric, Add	*616.03*	
		For 1-1/4" Mesh Fabric, Add	*396.52*	
		For 1-3/4" Mesh Fabric, Add	*246.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.21*	
		For Gate With Barb Wire Arm, Add	*155.78*	
		For Vinyl Coated, Add	*424.85*	
32 31 13 13-0574	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	2,933.65	617.11
		For 1" Mesh Fabric, Add	*739.23*	
		For 1-1/4" Mesh Fabric, Add	*475.83*	
		For 1-3/4" Mesh Fabric, Add	*295.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-147.85*	
		For Gate With Barb Wire Arm, Add	*186.93*	
		For Vinyl Coated, Add	*509.82*	
32 31 13 13-0575	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	3,422.93	720.12
		For 1" Mesh Fabric, Add	*862.44*	
		For 1-1/4" Mesh Fabric, Add	*555.13*	
		For 1-3/4" Mesh Fabric, Add	*344.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-172.49*	
		For Gate With Barb Wire Arm, Add	*218.09*	
		For Vinyl Coated, Add	*594.79*	
32 31 13 13-0576	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	3,911.72	822.96
		For 1" Mesh Fabric, Add	*985.64*	
		For 1-1/4" Mesh Fabric, Add	*634.44*	
		For 1-3/4" Mesh Fabric, Add	*394.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-197.13*	
		For Gate With Barb Wire Arm, Add	*249.24*	
		For Vinyl Coated, Add	*679.76*	
32 31 13 13-0577	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,400.47	925.71
		For 1" Mesh Fabric, Add	*1,108.85*	
		For 1-1/4" Mesh Fabric, Add	*713.74*	
		For 1-3/4" Mesh Fabric, Add	*443.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-221.77*	
		For Gate With Barb Wire Arm, Add	*280.40*	
		For Vinyl Coated, Add	*764.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0578	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,889.40	1,028.54
		For 1" Mesh Fabric, Add	*1,232.05*	
		For 1-1/4" Mesh Fabric, Add	*793.05*	
		For 1-3/4" Mesh Fabric, Add	*492.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-246.41*	
		For Gate With Barb Wire Arm, Add	*311.55*	
		For Vinyl Coated, Add	*849.69*	
32 31 13 13-0579	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,843.25	1,234.74
		For 1" Mesh Fabric, Add	*1,467.62*	
		For 1-1/4" Mesh Fabric, Add	*944.68*	
		For 1-3/4" Mesh Fabric, Add	*587.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-293.52*	
		For Gate With Barb Wire Arm, Add	*371.12*	
		For Vinyl Coated, Add	*1,012.15*	
32 31 13 13-0580	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,334.10	1,542.82
		For 1" Mesh Fabric, Add	*1,848.08*	
		For 1-1/4" Mesh Fabric, Add	*1,189.57*	
		For 1-3/4" Mesh Fabric, Add	*739.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-369.62*	
		For Gate With Barb Wire Arm, Add	*467.33*	
		For Vinyl Coated, Add	*1,274.54*	
32 31 13 13-0581	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	9,776.34	2,055.89
		For 1" Mesh Fabric, Add	*2,464.11*	
		For 1-1/4" Mesh Fabric, Add	*1,586.10*	
		For 1-3/4" Mesh Fabric, Add	*985.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-492.82*	
		For Gate With Barb Wire Arm, Add	*623.11*	
		For Vinyl Coated, Add	*1,699.39*	

32 31 13 13-0582 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0228)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

32 31 13 13-0583	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	4,403.79	342.51
		For 1" Mesh Fabric, Add	*1,617.67*	
		For 1-1/4" Mesh Fabric, Add	*1,041.26*	
		For 1-3/4" Mesh Fabric, Add	*647.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-323.53*	
		For Gate With Single Barb Wire Arm, Add	*409.07*	
		For Gate With Double Barb Wire Arm, Add	*595.00*	
		For Aluminized Steel Gate And Post, Add	*1,785.01*	
		For Powder Coated Gate And Post, Add	*780.94*	
		For Vinyl Coated, Add	*1,115.63*	
32 31 13 13-0584	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	4,828.19	428.13
		For 1" Mesh Fabric, Add	*1,727.79*	
		For 1-1/4" Mesh Fabric, Add	*1,112.14*	
		For 1-3/4" Mesh Fabric, Add	*691.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-345.56*	
		For Gate With Single Barb Wire Arm, Add	*436.91*	
		For Gate With Double Barb Wire Arm, Add	*635.51*	
		For Aluminized Steel Gate And Post, Add	*1,906.52*	
		For Powder Coated Gate And Post, Add	*834.10*	
		For Vinyl Coated, Add	*1,191.58*	
32 31 13 13-0585	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	5,256.07	513.76
		For 1" Mesh Fabric, Add	*1,839.42*	
		For 1-1/4" Mesh Fabric, Add	*1,183.99*	
		For 1-3/4" Mesh Fabric, Add	*735.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-367.88*	
		For Gate With Single Barb Wire Arm, Add	*465.14*	
		For Gate With Double Barb Wire Arm, Add	*676.57*	
		For Aluminized Steel Gate And Post, Add	*2,029.70*	
		For Powder Coated Gate And Post, Add	*888.00*	
		For Vinyl Coated, Add	*1,268.57*	
32 31 13 13-0586	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	6,162.39	685.01
		For 1" Mesh Fabric, Add	*2,084.68*	
		For 1-1/4" Mesh Fabric, Add	*1,341.86*	
		For 1-3/4" Mesh Fabric, Add	*833.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-416.94*	
		For Gate With Single Barb Wire Arm, Add	*527.16*	
		For Gate With Double Barb Wire Arm, Add	*766.78*	
		For Aluminized Steel Gate And Post, Add	*2,300.33*	
		For Powder Coated Gate And Post, Add	*1,006.40*	
		For Vinyl Coated, Add	*1,437.71*	
32 31 13 13-0587	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	5,724.94	685.01
		For 1" Mesh Fabric, Add	*1,894.39*	
		For 1-1/4" Mesh Fabric, Add	*1,219.37*	
		For 1-3/4" Mesh Fabric, Add	*757.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-378.88*	
		For Gate With Single Barb Wire Arm, Add	*479.04*	
		For Gate With Double Barb Wire Arm, Add	*696.79*	
		For Aluminized Steel Gate And Post, Add	*2,090.36*	
		For Powder Coated Gate And Post, Add	*914.53*	
		For Vinyl Coated, Add	*1,306.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0588	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	6,702.66	899.08
		For 1" Mesh Fabric, Add	*2,133.46*	
		For 1-1/4" Mesh Fabric, Add	*1,373.26*	
		For 1-3/4" Mesh Fabric, Add	*853.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-426.69*	
		For Gate With Single Barb Wire Arm, Add	*539.50*	
		For Gate With Double Barb Wire Arm, Add	*784.72*	
		For Aluminized Steel Gate And Post, Add	*2,354.16*	
		For Powder Coated Gate And Post, Add	*1,029.95*	
		For Vinyl Coated, Add	*1,471.35*	
32 31 13 13-0589	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	8,892.20	1,113.14
		For 1" Mesh Fabric, Add	*2,899.67*	
		For 1-1/4" Mesh Fabric, Add	*1,866.45*	
		For 1-3/4" Mesh Fabric, Add	*1,159.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-579.93*	
		For Gate With Single Barb Wire Arm, Add	*733.25*	
		For Gate With Double Barb Wire Arm, Add	*1,066.55*	
		For Aluminized Steel Gate And Post, Add	*3,199.64*	
		For Powder Coated Gate And Post, Add	*1,399.84*	
		For Vinyl Coated, Add	*1,999.77*	
32 31 13 13-0590	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	10,011.09	1,327.21
		For 1" Mesh Fabric, Add	*3,200.15*	
		For 1-1/4" Mesh Fabric, Add	*2,059.86*	
		For 1-3/4" Mesh Fabric, Add	*1,280.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-640.03*	
		For Gate With Single Barb Wire Arm, Add	*809.23*	
		For Gate With Double Barb Wire Arm, Add	*1,177.07*	
		For Aluminized Steel Gate And Post, Add	*3,531.20*	
		For Powder Coated Gate And Post, Add	*1,544.90*	
		For Vinyl Coated, Add	*2,207.00*	
32 31 13 13-0591	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	6,695.01	856.27
		For 1" Mesh Fabric, Add	*2,167.38*	
		For 1-1/4" Mesh Fabric, Add	*1,395.09*	
		For 1-3/4" Mesh Fabric, Add	*866.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-433.48*	
		For Gate With Single Barb Wire Arm, Add	*548.07*	
		For Gate With Double Barb Wire Arm, Add	*797.20*	
		For Aluminized Steel Gate And Post, Add	*2,391.59*	
		For Powder Coated Gate And Post, Add	*1,046.32*	
		For Vinyl Coated, Add	*1,494.74*	
32 31 13 13-0592	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	7,922.26	1,155.95
		For 1" Mesh Fabric, Add	*2,440.50*	
		For 1-1/4" Mesh Fabric, Add	*1,570.90*	
		For 1-3/4" Mesh Fabric, Add	*976.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-488.10*	
		For Gate With Single Barb Wire Arm, Add	*617.14*	
		For Gate With Double Barb Wire Arm, Add	*897.65*	
		For Aluminized Steel Gate And Post, Add	*2,692.96*	
		For Powder Coated Gate And Post, Add	*1,178.17*	
		For Vinyl Coated, Add	*1,683.10*	
32 31 13 13-0593	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	10,536.51	1,455.65
		For 1" Mesh Fabric, Add	*3,316.97*	
		For 1-1/4" Mesh Fabric, Add	*2,135.06*	
		For 1-3/4" Mesh Fabric, Add	*1,326.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-663.39*	
		For Gate With Single Barb Wire Arm, Add	*838.77*	
		For Gate With Double Barb Wire Arm, Add	*1,220.03*	
		For Aluminized Steel Gate And Post, Add	*3,660.10*	
		For Powder Coated Gate And Post, Add	*1,601.29*	
		For Vinyl Coated, Add	*2,287.56*	
32 31 13 13-0594	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	11,839.47	1,712.53
		For 1" Mesh Fabric, Add	*3,660.27*	
		For 1-1/4" Mesh Fabric, Add	*2,356.03*	
		For 1-3/4" Mesh Fabric, Add	*1,464.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-732.05*	
		For Gate With Single Barb Wire Arm, Add	*925.59*	
		For Gate With Double Barb Wire Arm, Add	*1,346.31*	
		For Aluminized Steel Gate And Post, Add	*4,038.92*	
		For Powder Coated Gate And Post, Add	*1,767.03*	
		For Vinyl Coated, Add	*2,524.32*	

32 31 13 13-0595 Gate Accessories *(32 31 13 13-0228)*

32 31 13 13-0596	EA	Gate Center Stop, Cast Steel, Ground	28.64	
32 31 13 13-0597	EA	Gate Latch, Malleable Galvanized Steel	33.54	
32 31 13 13-0598	EA	Gate Keeper, Full Length, Galvanized Steel	149.15	
32 31 13 13-0599	EA	Gate Keeper Hold-Open For Cantilever Gate	71.84	14.50
32 31 13 13-0600	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	40.96	
32 31 13 13-0601	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	779.83	
32 31 13 13-0602	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	836.04	
32 31 13 13-0603	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	892.26	
32 31 13 13-0604	LF	Aluminum V-Groove Gate Track	38.73	8.37
32 31 13 13-0605	LF	Galvanized Steel V-Groove Gate Track	33.14	8.37

32 31 13 13-0606 Accessories *(32 31 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 31 13 13-0607 Barbed And Concertina Wire *(32 31 13 13-0606)*

32 31 13 13-0608 Single Strand Barbed Wire *(32 31 13 13-0607)*

32 31 13 13-0609	LF	Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	0.81	0.39
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 13-0610	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	0.90	0.39
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 13-0611	EA	Barbed Wire Extension Arms 3 Strands (Single Arm)	8.56	6.11
32 31 13 13-0612	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	13.34	7.33
32 31 13 13-0613	EA	Barbed Wire Eye Tops (For Single Strand)	9.05	6.11

32 31 13 13-0614 Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0607)*

32 31 13 13-0615	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	2.29	0.53
		For >500 To 1,500, Deduct	*-0.21*	
		For >1,500 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.61*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*1.53*	
32 31 13 13-0616	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.45	0.53
		For >500 To 1,500, Deduct	*-0.32*	
		For >1,500 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.92*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*2.31*	
32 31 13 13-0617	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	4.59	0.53
		For >500 To 1,500, Deduct	*-0.42*	
		For >1,500 To 5,000, Deduct	*-0.84*	
		For >5,000, Deduct	*-1.22*	
		For Ground Installation, Deduct	*-0.76*	
		For Double Coil (Helix), Add	*3.07*	
32 31 13 13-0618	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.34	0.53
		For >500 To 1,500, Deduct	*-0.29*	
		For >1,500 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.84*	
		For Ground Installation, Deduct	*-0.43*	
		For Double Coil (Helix), Add	*2.49*	
32 31 13 13-0619	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.02	0.53
		For >500 To 1,500, Deduct	*-0.44*	
		For >1,500 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.26*	
		For Ground Installation, Deduct	*-0.64*	
		For Double Coil (Helix), Add	*3.75*	
32 31 13 13-0620	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.65	0.53
		For >500 To 1,500, Deduct	*-0.58*	
		For >1,500 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.67*	
		For Ground Installation, Deduct	*-0.84*	
		For Double Coil (Helix), Add	*4.97*	
32 31 13 13-0621	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	8.34	0.53
		For >500 To 1,500, Deduct	*-0.67*	
		For >1,500 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-1.86*	
		For Ground Installation, Deduct	*-0.48*	
		For Double Coil (Helix), Add	*7.39*	
32 31 13 13-0622	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	12.59	0.53
		For >500 To 1,500, Deduct	*-1.02*	
		For >1,500 To 5,000, Deduct	*-2.03*	
		For >5,000, Deduct	*-2.80*	
		For Ground Installation, Deduct	*-0.72*	
		For Double Coil (Helix), Add	*11.16*	
32 31 13 13-0623	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	16.67	0.53
		For >500 To 1,500, Deduct	*-1.35*	
		For >1,500 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-3.72*	
		For Ground Installation, Deduct	*-0.96*	
		For Double Coil (Helix), Add	*14.76*	
32 31 13 13-0624	LF	60" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	12.53	0.53
		For >500 To 1,500, Deduct	*-1.00*	
		For >1,500 To 5,000, Deduct	*-1.99*	
		For >5,000, Deduct	*-2.74*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*11.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0625	LF	60" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	19.04	0.53
		For >500 To 1,500, Deduct	*-1.52*	
		For >1,500 To 5,000, Deduct	*-3.03*	
		For >5,000, Deduct	*-4.16*	
		For Ground Installation, Deduct	*-0.88*	
		For Double Coil (Helix), Add	*17.28*	

32 31 13 13-0626 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0607)*

32 31 13 13-0627	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.39	0.53
		For >500 To 1,500, Deduct	*-0.29*	
		For >1,500 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.83*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*2.63*	
32 31 13 13-0628	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.13	0.53
		For >500 To 1,500, Deduct	*-0.44*	
		For >1,500 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.26*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*3.99*	
32 31 13 13-0629	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.79	0.53
		For >500 To 1,500, Deduct	*-0.59*	
		For >1,500 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.66*	
		For Ground Installation, Deduct	*-0.76*	
		For Double Coil (Helix), Add	*5.27*	
32 31 13 13-0630	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.27	0.53
		For >500 To 1,500, Deduct	*-0.36*	
		For >1,500 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.02*	
		For Ground Installation, Deduct	*-0.43*	
		For Double Coil (Helix), Add	*3.42*	
32 31 13 13-0631	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	6.44	0.53
		For >500 To 1,500, Deduct	*-0.55*	
		For >1,500 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-1.54*	
		For Ground Installation, Deduct	*-0.64*	
		For Double Coil (Helix), Add	*5.17*	
32 31 13 13-0632	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	8.52	0.53
		For >500 To 1,500, Deduct	*-0.72*	
		For >1,500 To 5,000, Deduct	*-1.45*	
		For >5,000, Deduct	*-2.04*	
		For Ground Installation, Deduct	*-0.84*	
		For Double Coil (Helix), Add	*6.84*	
32 31 13 13-0633	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.88	0.53
		For >500 To 1,500, Deduct	*-0.94*	
		For >1,500 To 5,000, Deduct	*-1.88*	
		For >5,000, Deduct	*-2.57*	
		For Ground Installation, Deduct	*-0.48*	
		For Double Coil (Helix), Add	*10.93*	
32 31 13 13-0634	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	17.96	0.53
		For >500 To 1,500, Deduct	*-1.42*	
		For >1,500 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-3.88*	
		For Ground Installation, Deduct	*-0.72*	
		For Double Coil (Helix), Add	*16.53*	
32 31 13 13-0635	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	23.75	0.53
		For >500 To 1,500, Deduct	*-1.88*	
		For >1,500 To 5,000, Deduct	*-3.75*	
		For >5,000, Deduct	*-5.13*	
		For Ground Installation, Deduct	*-0.96*	
		For Double Coil (Helix), Add	*21.84*	

32 31 13 13-0636 Grounding For Gates *(32 31 13 13-0606)*

Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 13-0637	OPN	Grounding For Gates (Per Opening)	378.00	

32 31 13 13-0638 Coiled Spring Reinforcing Wire *(32 31 13 13-0606)*

32 31 13 13-0639 Galvanized Steel *(32 31 13 13-0638)*

32 31 13 13-0640	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.89	0.39

32 31 13 13-0641 Vinyl Coated Steel *(32 31 13 13-0638)*

32 31 13 13-0642	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	0.89	0.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0643		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0606)* Note: Only where specified.		
32 31 13 13-0644	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.23	
32 31 13 13-0645	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.07	
32 31 13 13-0646		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0606)* Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0647	EA	Mounting Plate For 1-5/8" Diameter Post	30.19	
32 31 13 13-0648	EA	Mounting Plate For 2" Diameter Post	30.64	
32 31 13 13-0649	EA	Mounting Plate For 2-1/2" Diameter Post	31.56	
32 31 13 13-0650	EA	Mounting Plate For 3" Diameter Post	37.70	
32 31 13 13-0651	EA	Mounting Plate For 4" Diameter Post	43.13	
32 31 13 13-0652	EA	Mounting Plate For 6-5/8" Diameter Post	49.69	
32 31 13 13-0653	EA	Mounting Plate For 8-5/8" Diameter Post	58.31	
32 31 13 13-0654		**Fence And Gate Repair And Replacement** *(32 31 13 13)*		
32 31 13 13-0655		**Fence And Gate Parts Replacement** *(32 31 13 13-0654)*		
32 31 13 13-0656	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	87.86	
32 31 13 13-0657	EA	Sliding Gate Roller Assembly Replacement	87.59	
32 31 13 13-0658	EA	Rod And Lock Gate Keeper Replacement	86.60	
32 31 13 13-0659	EA	Galvanized Gate Holdback Replacement	20.45	
32 31 13 13-0660	LF	3/8" Cross Bracing Rod Replacement	1.14	
32 31 13 13-0661	LF	1-5/8" Diagonal Pipe Bracing Replacement	1.76	
32 31 13 13-0662	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	17.62	
32 31 13 13-0663	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	20.34	
32 31 13 13-0664	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	23.04	
32 31 13 13-0665	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	33.78	
32 31 13 13-0666	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	70.35	
32 31 13 13-0667	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	18.60	
32 31 13 13-0668	EA	3" x 2" Off Set Gate Hinge Replacement	19.43	
32 31 13 13-0669	EA	4" x 2" Off Set Gate Hinge Replacement	20.75	
32 31 13 13-0670	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	32.78	
32 31 13 13-0671	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	50.51	
32 31 13 13-0672	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	4.34	
32 31 13 13-0673	EA	2" Aluminum Die-Cast Post Cap Replacement	4.77	
32 31 13 13-0674	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	5.52	
32 31 13 13-0675	EA	3" Aluminum Die-Cast Post Cap Replacement	6.40	
32 31 13 13-0676	EA	2" Galvanized Post Cap Replacement	4.85	
32 31 13 13-0677	EA	2-1/2" Galvanized Post Cap Replacement	5.26	
32 31 13 13-0678	EA	3" Galvanized Post Cap Replacement	6.00	
32 31 13 13-0679	EA	4" Galvanized Post Cap Replacement	8.61	
32 31 13 13-0680	EA	6-5/8" Galvanized Post Cap Replacement	15.41	
32 31 13 13-0681	EA	8-5/8" Galvanized Post Cap Replacement	24.93	
32 31 13 13-0682	EA	1-5/8" Boulevard Clamp Replacement	8.19	
32 31 13 13-0683	EA	2" Boulevard Clamp Replacement	9.96	
32 31 13 13-0684	EA	2-1/2" Boulevard Clamp Replacement	11.69	
32 31 13 13-0685	EA	3" Boulevard Clamp Replacement	14.18	
32 31 13 13-0686	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	8.05	
32 31 13 13-0687	EA	2" Gate Brace Or End Rail Clamp Replacement	9.77	
32 31 13 13-0688	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	11.50	
32 31 13 13-0689	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.29	
32 31 13 13-0690	EA	3" Gate Brace Or End Rail Clamp Replacement	13.98	
32 31 13 13-0691	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.45	
32 31 13 13-0692	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.38	
32 31 13 13-0693	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.50	
32 31 13 13-0694	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.60	
32 31 13 13-0695	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.89	
32 31 13 13-0696	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.03	
32 31 13 13-0697	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.23	
32 31 13 13-0698		**Remove And Reinstall Chain Link Fences** *(32 31 13 13)* Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0699	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	15.26	
32 31 13 13-0700	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	22.90	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		**Regulation Baseball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	8,694.17	1,555.66
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	12,498.45	2,074.22
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	15,872.22	2,419.93
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	12,045.17	1,555.66
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	17,512.62	2,074.22
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	22,489.19	2,419.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0008		Regulation Softball Backstop *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009		14' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation	7,314.89	1,489.13
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation	9,718.29	1,489.13
32 31 13 33-0012		18' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation	8,524.47	1,655.50
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation	11,431.80	1,655.50
32 31 13 33-0015		20' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation	9,628.95	1,745.50
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation	13,079.02	1,745.50
32 31 13 33-0018		22' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation	11,064.58	1,798.16
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	15,212.38	1,798.16
32 31 13 33-0021		24' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation	13,135.31	2,055.03
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	18,290.98	2,055.03
32 31 16		**Welded Wire Fences And Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.46	1.38
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.95	1.38
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.36	1.38
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.80	1.38
32 31 19		**Decorative Metal Fences And Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)* Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center *(32 31 19 00-0001)* Note: Factory primed.		
32 31 19 00-0003	LF	3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	36.78	8.39
		For Verticals Up To 2" On Center, Add	*4.00*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.00*	
		For Verticals >3" To 4" On Center, Deduct	*-2.00*	
		For Verticals >4" To 6" On Center, Deduct	*-4.00*	
32 31 19 00-0004	LF	4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	47.11	10.69
		For Verticals Up To 2" On Center, Add	*5.30*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.65*	
		For Verticals >3" To 4" On Center, Deduct	*-2.65*	
		For Verticals >4" To 6" On Center, Deduct	*-5.30*	
32 31 19 00-0005	LF	5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	55.85	11.14
		For Verticals Up To 2" On Center, Add	*6.68*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.34*	
		For Verticals >3" To 4" On Center, Deduct	*-3.34*	
		For Verticals >4" To 6" On Center, Deduct	*-6.68*	
32 31 19 00-0006	LF	6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	67.60	13.43
		For Verticals Up To 2" On Center, Add	*8.14*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.07*	
		For Verticals >3" To 4" On Center, Deduct	*-4.07*	
		For Verticals >4" To 6" On Center, Deduct	*-8.14*	
32 31 19 00-0007	LF	7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	79.00	14.21
		For Verticals Up To 2" On Center, Add	*10.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.06*	
		For Verticals >3" To 4" On Center, Deduct	*-5.06*	
		For Verticals >4" To 6" On Center, Deduct	*-10.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	90.36	14.96
		For Verticals Up To 2" On Center, Add	*12.09*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.05*	
		For Verticals >3" To 4" On Center, Deduct	*-6.05*	
		For Verticals >4" To 6" On Center, Deduct	*-12.09*	
32 31 19 00-0009	LF	10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	109.71	16.79
		For Verticals Up To 2" On Center, Add	*15.23*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.61*	
		For Verticals >3" To 4" On Center, Deduct	*-7.61*	
		For Verticals >4" To 6" On Center, Deduct	*-15.23*	
32 31 19 00-0010	LF	12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	129.58	19.08
		For Verticals Up To 2" On Center, Add	*18.28*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.14*	
		For Verticals >3" To 4" On Center, Deduct	*-9.14*	
		For Verticals >4" To 6" On Center, Deduct	*-18.28*	
32 31 19 00-0011		**Wrought Iron Gates** *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0012		**Single Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	45.24	10.22
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	59.36	12.66
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	72.45	15.26
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	88.01	18.32
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	117.43	20.30
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	141.84	22.43
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	165.81	25.49
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	55.25	9.15
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	72.49	11.45
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	88.09	13.73
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	106.72	16.48
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	143.06	18.32
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	173.09	20.15
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	202.69	22.90
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	14.83	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	22.02	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	61.05	
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)*		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)*		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	55.94	8.39
		For Verticals Up To 2" On Center, Add	*7.90*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.95*	
		For Verticals >3" To 4" On Center, Deduct	*-3.95*	
		For Verticals >4" To 6" On Center, Deduct	*-7.90*	
		For Solid Pickets, Add	*11.35*	
		For Aluminum With Satin Finish, Add	*9.38*	
		For Third Rail, Add	*2.96*	
		For 1" Square x 14 Gauge Pickets, Add	*9.87*	
		For 3" Square Posts, Add	*3.95*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	59.85	8.98
		For Verticals Up To 2" On Center, Add	*8.38*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.19*	
		For Verticals >3" To 4" On Center, Deduct	*-4.19*	
		For Verticals >4" To 6" On Center, Deduct	*-8.38*	
		For Solid Pickets, Add	*12.12*	
		For Aluminum With Satin Finish, Add	*9.88*	
		For Third Rail, Add	*3.14*	
		For 1" Square x 14 Gauge Pickets, Add	*10.48*	
		For 3" Square Posts, Add	*4.19*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	63.31	9.92
		For Verticals Up To 2" On Center, Add	*8.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.39*	
		For Verticals >3" To 4" On Center, Deduct	*-4.39*	
		For Verticals >4" To 6" On Center, Deduct	*-8.77*	
		For Solid Pickets, Add	*12.79*	
		For Aluminum With Satin Finish, Add	*10.25*	
		For Third Rail, Add	*3.29*	
		For 1" Square x 14 Gauge Pickets, Add	*10.97*	
		For 3" Square Posts, Add	*4.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	67.39	11.14
		For Verticals Up To 2" On Center, Add	*8.99*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.50*	
		For Verticals >3" To 4" On Center, Deduct	*-4.50*	
		For Verticals >4" To 6" On Center, Deduct	*-8.99*	
		For Solid Pickets, Add	*13.48*	
		For Aluminum With Satin Finish, Add	*10.12*	
		For Third Rail, Add	*3.37*	
		For 1" Square x 14 Gauge Pickets, Add	*11.24*	
		For 3" Square Posts, Add	*4.50*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	78.18	12.59
		For Verticals Up To 2" On Center, Add	*10.60*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.30*	
		For Verticals >3" To 4" On Center, Deduct	*-5.30*	
		For Verticals >4" To 6" On Center, Deduct	*-10.60*	
		For Solid Pickets, Add	*15.70*	
		For Aluminum With Satin Finish, Add	*12.12*	
		For Third Rail, Add	*3.98*	
		For 1" Square x 14 Gauge Pickets, Add	*13.25*	
		For 3" Square Posts, Add	*5.30*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	89.56	13.73
		For Verticals Up To 2" On Center, Add	*12.42*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.21*	
		For Verticals >3" To 4" On Center, Deduct	*-6.21*	
		For Verticals >4" To 6" On Center, Deduct	*-12.42*	
		For Solid Pickets, Add	*18.09*	
		For Aluminum With Satin Finish, Add	*14.51*	
		For Third Rail, Add	*4.66*	
		For 1" Square x 14 Gauge Pickets, Add	*15.52*	
		For 4" Square Posts, Add	*21.73*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	101.09	14.96
		For Verticals Up To 2" On Center, Add	*14.24*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.12*	
		For Verticals >3" To 4" On Center, Deduct	*-7.12*	
		For Verticals >4" To 6" On Center, Deduct	*-14.24*	
		For Solid Pickets, Add	*20.50*	
		For Aluminum With Satin Finish, Add	*16.87*	
		For Third Rail, Add	*5.34*	
		For 1" Square x 14 Gauge Pickets, Add	*17.80*	
		For 4" Square Posts, Add	*24.91*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	117.64	16.03
		For Verticals Up To 2" On Center, Add	*17.12*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.56*	
		For Verticals >3" To 4" On Center, Deduct	*-8.56*	
		For Verticals >4" To 6" On Center, Deduct	*-17.12*	
		For Solid Pickets, Add	*24.07*	
		For Aluminum With Satin Finish, Add	*20.87*	
		For Third Rail, Add	*6.42*	
		For 1" Square x 14 Gauge Pickets, Add	*21.40*	
		For 4" Square Posts, Add	*29.96*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	134.34	17.17
		For Verticals Up To 2" On Center, Add	*20.00*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.00*	
		For Verticals >3" To 4" On Center, Deduct	*-10.00*	
		For Verticals >4" To 6" On Center, Deduct	*-20.00*	
		For Solid Pickets, Add	*27.65*	
		For Aluminum With Satin Finish, Add	*24.85*	
		For Third Rail, Add	*7.50*	
		For 1" Square x 14 Gauge Pickets, Add	*25.00*	
		For 6" Square Posts, Add	*35.00*	
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	158.34	19.08
		For Verticals Up To 2" On Center, Add	*24.04*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.02*	
		For Verticals >3" To 4" On Center, Deduct	*-12.02*	
		For Verticals >4" To 6" On Center, Deduct	*-24.04*	
		For Solid Pickets, Add	*32.76*	
		For Aluminum With Satin Finish, Add	*30.33*	
		For Third Rail, Add	*9.01*	
		For 1" Square x 14 Gauge Pickets, Add	*30.05*	
		For 6" Square Posts, Add	*42.06*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	169.58	20.60
		For Verticals Up To 2" On Center, Add	*25.68*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.84*	
		For Verticals >3" To 4" On Center, Deduct	*-12.84*	
		For Verticals >4" To 6" On Center, Deduct	*-25.68*	
		For Solid Pickets, Add	*35.07*	
		For Aluminum With Satin Finish, Add	*32.33*	
		For Third Rail, Add	*9.63*	
		For 1" Square x 14 Gauge Pickets, Add	*32.10*	
		For 6" Square Posts, Add	*44.93*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	515.03	16.25
		For Solid Pickets, Add	*112.22*	
		For Aluminum With Satin Finish, Add	*132.53*	
		For Third Rail, Add	*34.96*	
		For 1" Square x 14 Gauge Pickets, Add	*46.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	572.91	17.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*125.07*	
		For Aluminum With Satin Finish, Add	*148.86*	
		For Third Rail, Add	*39.13*	
		For 1" Square x 14 Gauge Pickets, Add	*52.18*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	634.08	18.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*138.60*	
		For Aluminum With Satin Finish, Add	*165.84*	
		For Third Rail, Add	*43.49*	
		For 1" Square x 14 Gauge Pickets, Add	*57.99*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	666.96	19.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*145.72*	
		For Aluminum With Satin Finish, Add	*173.99*	
		For Third Rail, Add	*45.67*	
		For 1" Square x 14 Gauge Pickets, Add	*60.90*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	745.36	23.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*162.50*	
		For Aluminum With Satin Finish, Add	*192.36*	
		For Third Rail, Add	*50.69*	
		For 1" Square x 14 Gauge Pickets, Add	*67.59*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	793.45	26.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*172.46*	
		For Aluminum With Satin Finish, Add	*201.63*	
		For Third Rail, Add	*53.44*	
		For 1" Square x 14 Gauge Pickets, Add	*71.26*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	866.29	30.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*187.93*	
		For Aluminum With Satin Finish, Add	*218.00*	
		For Third Rail, Add	*57.99*	
		For 1" Square x 14 Gauge Pickets, Add	*77.32*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	929.54	34.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*201.31*	
		For Aluminum With Satin Finish, Add	*231.82*	
		For Third Rail, Add	*61.88*	
		For 1" Square x 14 Gauge Pickets, Add	*82.50*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	985.21	38.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*212.97*	
		For Aluminum With Satin Finish, Add	*243.37*	
		For Third Rail, Add	*65.19*	
		For 1" Square x 14 Gauge Pickets, Add	*86.92*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,076.68	32.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*234.93*	
		For Aluminum With Satin Finish, Add	*279.05*	
		For Third Rail, Add	*73.43*	
		For 1" Square x 14 Gauge Pickets, Add	*97.90*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,147.09	34.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*250.43*	
		For Aluminum With Satin Finish, Add	*298.11*	
		For Third Rail, Add	*78.36*	
		For 1" Square x 14 Gauge Pickets, Add	*104.48*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,268.16	36.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*277.21*	
		For Aluminum With Satin Finish, Add	*331.69*	
		For Third Rail, Add	*86.99*	
		For 1" Square x 14 Gauge Pickets, Add	*115.98*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,328.82	37.39
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*290.57*	
		For Aluminum With Satin Finish, Add	*348.17*	
		For Third Rail, Add	*91.25*	
		For 1" Square x 14 Gauge Pickets, Add	*121.67*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,378.13	38.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*301.38*	
		For Aluminum With Satin Finish, Add	*361.24*	
		For Third Rail, Add	*94.66*	
		For 1" Square x 14 Gauge Pickets, Add	*126.21*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	1,551.37	46.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*338.64*	
		For Aluminum With Satin Finish, Add	*402.91*	
		For Third Rail, Add	*105.94*	
		For 1" Square x 14 Gauge Pickets, Add	*141.25*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	1,700.60	53.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*370.50*	
		For Aluminum With Satin Finish, Add	*437.38*	
		For Third Rail, Add	*115.41*	
		For 1" Square x 14 Gauge Pickets, Add	*153.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,826.09	62.04
		For Solid Pickets, Add	*396.91*	
		For Aluminum With Satin Finish, Add	*464.04*	
		For Third Rail, Add	*122.99*	
		For 1" Square x 14 Gauge Pickets, Add	*163.99*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,931.10	69.60
		For Solid Pickets, Add	*418.82*	
		For Aluminum With Satin Finish, Add	*485.24*	
		For Third Rail, Add	*129.15*	
		For 1" Square x 14 Gauge Pickets, Add	*172.20*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,017.16	77.23
		For Solid Pickets, Add	*436.46*	
		For Aluminum With Satin Finish, Add	*500.76*	
		For Third Rail, Add	*133.89*	
		For 1" Square x 14 Gauge Pickets, Add	*178.52*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	594.77	15.26
		For Solid Pickets, Add	*129.96*	
		For Aluminum With Satin Finish, Add	*155.25*	
		For Third Rail, Add	*40.74*	
		For 1" Square x 14 Gauge Pickets, Add	*54.33*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	643.42	17.78
		For Solid Pickets, Add	*140.76*	
		For Aluminum With Satin Finish, Add	*168.99*	
		For Third Rail, Add	*44.25*	
		For 1" Square x 14 Gauge Pickets, Add	*59.00*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	693.98	19.08
		For Solid Pickets, Add	*151.85*	
		For Aluminum With Satin Finish, Add	*182.44*	
		For Third Rail, Add	*47.76*	
		For 1" Square x 14 Gauge Pickets, Add	*63.68*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	735.71	20.30
		For Solid Pickets, Add	*160.96*	
		For Aluminum With Satin Finish, Add	*193.24*	
		For Third Rail, Add	*50.60*	
		For 1" Square x 14 Gauge Pickets, Add	*67.47*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	793.39	24.42
		For Solid Pickets, Add	*173.02*	
		For Aluminum With Satin Finish, Add	*205.05*	
		For Third Rail, Add	*54.01*	
		For 1" Square x 14 Gauge Pickets, Add	*72.01*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	871.29	28.46
		For Solid Pickets, Add	*189.63*	
		For Aluminum With Satin Finish, Add	*222.93*	
		For Third Rail, Add	*58.94*	
		For 1" Square x 14 Gauge Pickets, Add	*78.58*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	978.26	32.50
		For Solid Pickets, Add	*212.78*	
		For Aluminum With Satin Finish, Add	*249.53*	
		For Third Rail, Add	*66.04*	
		For 1" Square x 14 Gauge Pickets, Add	*88.06*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,082.71	36.63
		For Solid Pickets, Add	*235.37*	
		For Aluminum With Satin Finish, Add	*275.36*	
		For Third Rail, Add	*72.96*	
		For 1" Square x 14 Gauge Pickets, Add	*97.28*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,182.09	40.67
		For Solid Pickets, Add	*256.81*	
		For Aluminum With Satin Finish, Add	*299.68*	
		For Third Rail, Add	*79.50*	
		For 1" Square x 14 Gauge Pickets, Add	*106.00*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,189.54	34.34
		For Solid Pickets, Add	*259.92*	
		For Aluminum With Satin Finish, Add	*310.50*	
		For Third Rail, Add	*81.49*	
		For 1" Square x 14 Gauge Pickets, Add	*108.65*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,286.86	35.56
		For Solid Pickets, Add	*281.53*	
		For Aluminum With Satin Finish, Add	*337.98*	
		For Third Rail, Add	*88.50*	
		For 1" Square x 14 Gauge Pickets, Add	*118.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	1,387.98	38.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*303.71*	
		For Aluminum With Satin Finish, Add	*364.88*	
		For Third Rail, Add	*95.51*	
		For 1" Square x 14 Gauge Pickets, Add	*127.35*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	1,467.59	39.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*321.34*	
		For Aluminum With Satin Finish, Add	*387.05*	
		For Third Rail, Add	*101.20*	
		For 1" Square x 14 Gauge Pickets, Add	*134.93*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	1,534.58	40.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*336.12*	
		For Aluminum With Satin Finish, Add	*405.43*	
		For Third Rail, Add	*105.94*	
		For 1" Square x 14 Gauge Pickets, Add	*141.25*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	1,742.19	48.77
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*381.00*	
		For Aluminum With Satin Finish, Add	*456.72*	
		For Third Rail, Add	*119.68*	
		For 1" Square x 14 Gauge Pickets, Add	*159.57*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	1,924.54	56.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*420.20*	
		For Aluminum With Satin Finish, Add	*500.44*	
		For Third Rail, Add	*131.52*	
		For 1" Square x 14 Gauge Pickets, Add	*175.36*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	2,082.87	65.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*453.99*	
		For Aluminum With Satin Finish, Add	*536.95*	
		For Third Rail, Add	*141.56*	
		For 1" Square x 14 Gauge Pickets, Add	*188.75*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	2,219.73	73.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*482.96*	
		For Aluminum With Satin Finish, Add	*567.02*	
		For Third Rail, Add	*150.00*	
		For 1" Square x 14 Gauge Pickets, Add	*200.00*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	2,336.38	81.35
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*507.37*	
		For Aluminum With Satin Finish, Add	*591.03*	
		For Third Rail, Add	*156.91*	
		For 1" Square x 14 Gauge Pickets, Add	*209.22*	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	647.21	17.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*141.62*	
		For Aluminum With Satin Finish, Add	*170.13*	
		For Third Rail, Add	*44.54*	
		For 1" Square x 14 Gauge Pickets, Add	*59.38*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	682.61	19.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*149.30*	
		For Aluminum With Satin Finish, Add	*179.03*	
		For Third Rail, Add	*46.90*	
		For 1" Square x 14 Gauge Pickets, Add	*62.54*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	716.75	20.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*156.69*	
		For Aluminum With Satin Finish, Add	*187.55*	
		For Third Rail, Add	*49.18*	
		For 1" Square x 14 Gauge Pickets, Add	*65.57*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	766.05	21.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*167.50*	
		For Aluminum With Satin Finish, Add	*200.63*	
		For Third Rail, Add	*52.59*	
		For 1" Square x 14 Gauge Pickets, Add	*70.12*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	833.34	25.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*181.66*	
		For Aluminum With Satin Finish, Add	*214.98*	
		For Third Rail, Add	*56.66*	
		For 1" Square x 14 Gauge Pickets, Add	*75.55*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	922.13	30.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*200.67*	
		For Aluminum With Satin Finish, Add	*235.77*	
		For Third Rail, Add	*62.35*	
		For 1" Square x 14 Gauge Pickets, Add	*83.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,045.78	34.80
		For Solid Pickets, Add	*227.46*	
		For Aluminum With Satin Finish, Add	*266.69*	
		For Third Rail, Add	*70.59*	
		For 1" Square x 14 Gauge Pickets, Add	*94.12*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,166.13	39.15
		For Solid Pickets, Add	*253.57*	
		For Aluminum With Satin Finish, Add	*296.96*	
		For Third Rail, Add	*78.65*	
		For 1" Square x 14 Gauge Pickets, Add	*104.86*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,283.97	43.42
		For Solid Pickets, Add	*279.11*	
		For Aluminum With Satin Finish, Add	*326.47*	
		For Third Rail, Add	*86.51*	
		For 1" Square x 14 Gauge Pickets, Add	*115.35*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,273.22	29.99
		For Solid Pickets, Add	*280.05*	
		For Aluminum With Satin Finish, Add	*343.44*	
		For Third Rail, Add	*89.07*	
		For 1" Square x 14 Gauge Pickets, Add	*118.76*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,349.39	34.95
		For Solid Pickets, Add	*296.12*	
		For Aluminum With Satin Finish, Add	*359.87*	
		For Third Rail, Add	*93.71*	
		For 1" Square x 14 Gauge Pickets, Add	*124.95*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,426.41	40.22
		For Solid Pickets, Add	*312.32*	
		For Aluminum With Satin Finish, Add	*376.17*	
		For Third Rail, Add	*98.36*	
		For 1" Square x 14 Gauge Pickets, Add	*131.14*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,531.64	45.25
		For Solid Pickets, Add	*334.92*	
		For Aluminum With Satin Finish, Add	*401.32*	
		For Third Rail, Add	*105.18*	
		For 1" Square x 14 Gauge Pickets, Add	*140.24*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,624.24	50.21
		For Solid Pickets, Add	*354.69*	
		For Aluminum With Satin Finish, Add	*422.68*	
		For Third Rail, Add	*111.05*	
		For 1" Square x 14 Gauge Pickets, Add	*148.07*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,848.66	55.86
		For Solid Pickets, Add	*403.99*	
		For Aluminum With Satin Finish, Add	*482.83*	
		For Third Rail, Add	*126.69*	
		For 1" Square x 14 Gauge Pickets, Add	*168.92*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,050.73	61.96
		For Solid Pickets, Add	*448.13*	
		For Aluminum With Satin Finish, Add	*535.52*	
		For Third Rail, Add	*140.52*	
		For 1" Square x 14 Gauge Pickets, Add	*187.36*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,231.76	68.76
		For Solid Pickets, Add	*487.41*	
		For Aluminum With Satin Finish, Add	*581.14*	
		For Third Rail, Add	*152.65*	
		For 1" Square x 14 Gauge Pickets, Add	*203.53*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,395.09	76.39
		For Solid Pickets, Add	*522.53*	
		For Aluminum With Satin Finish, Add	*620.31*	
		For Third Rail, Add	*163.26*	
		For 1" Square x 14 Gauge Pickets, Add	*217.68*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,540.71	84.93
		For Solid Pickets, Add	*553.47*	
		For Aluminum With Satin Finish, Add	*653.05*	
		For Third Rail, Add	*172.36*	
		For 1" Square x 14 Gauge Pickets, Add	*229.81*	
32 31 19 00-0106		6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	674.04	19.53
		For Solid Pickets, Add	*147.25*	
		For Aluminum With Satin Finish, Add	*175.77*	
		For Third Rail, Add	*46.15*	
		For 1" Square x 14 Gauge Pickets, Add	*61.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	708.67	20.60
		For Solid Pickets, Add	*154.82*	
		For Aluminum With Satin Finish, Add	*184.79*	
		For Third Rail, Add	*48.51*	
		For 1" Square x 14 Gauge Pickets, Add	*64.69*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	743.85	21.75
		For Solid Pickets, Add	*162.46*	
		For Aluminum With Satin Finish, Add	*193.73*	
		For Third Rail, Add	*50.88*	
		For 1" Square x 14 Gauge Pickets, Add	*67.85*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	787.05	23.12
		For Solid Pickets, Add	*171.88*	
		For Aluminum With Satin Finish, Add	*204.87*	
		For Third Rail, Add	*53.82*	
		For 1" Square x 14 Gauge Pickets, Add	*71.76*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	883.67	27.93
		For Solid Pickets, Add	*192.53*	
		For Aluminum With Satin Finish, Add	*227.33*	
		For Third Rail, Add	*59.98*	
		For 1" Square x 14 Gauge Pickets, Add	*79.97*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	986.61	32.81
		For Solid Pickets, Add	*214.60*	
		For Aluminum With Satin Finish, Add	*251.69*	
		For Third Rail, Add	*66.61*	
		For 1" Square x 14 Gauge Pickets, Add	*88.82*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,101.41	37.39
		For Solid Pickets, Add	*239.40*	
		For Aluminum With Satin Finish, Add	*279.95*	
		For Third Rail, Add	*74.19*	
		For 1" Square x 14 Gauge Pickets, Add	*98.92*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,211.94	42.20
		For Solid Pickets, Add	*263.19*	
		For Aluminum With Satin Finish, Add	*306.58*	
		For Third Rail, Add	*81.39*	
		For 1" Square x 14 Gauge Pickets, Add	*108.53*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,346.44	47.01
		For Solid Pickets, Add	*292.36*	
		For Aluminum With Satin Finish, Add	*340.41*	
		For Third Rail, Add	*90.40*	
		For 1" Square x 14 Gauge Pickets, Add	*120.53*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,322.88	32.36
		For Solid Pickets, Add	*290.72*	
		For Aluminum With Satin Finish, Add	*355.32*	
		For Third Rail, Add	*92.29*	
		For 1" Square x 14 Gauge Pickets, Add	*123.06*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,402.00	37.92
		For Solid Pickets, Add	*307.33*	
		For Aluminum With Satin Finish, Add	*371.87*	
		For Third Rail, Add	*97.03*	
		For 1" Square x 14 Gauge Pickets, Add	*129.37*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,480.29	43.19
		For Solid Pickets, Add	*323.81*	
		For Aluminum With Satin Finish, Add	*388.56*	
		For Third Rail, Add	*101.77*	
		For 1" Square x 14 Gauge Pickets, Add	*135.69*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,574.56	48.77
		For Solid Pickets, Add	*343.83*	
		For Aluminum With Satin Finish, Add	*409.67*	
		For Third Rail, Add	*107.64*	
		For 1" Square x 14 Gauge Pickets, Add	*143.52*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,721.91	54.33
		For Solid Pickets, Add	*375.78*	
		For Aluminum With Satin Finish, Add	*446.69*	
		For Third Rail, Add	*117.50*	
		For 1" Square x 14 Gauge Pickets, Add	*156.66*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,018.75	60.51
		For Solid Pickets, Add	*441.25*	
		For Aluminum With Satin Finish, Add	*527.81*	
		For Third Rail, Add	*138.44*	
		For 1" Square x 14 Gauge Pickets, Add	*184.58*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,114.69	67.61
		For Solid Pickets, Add	*461.33*	
		For Aluminum With Satin Finish, Add	*547.53*	
		For Third Rail, Add	*144.12*	
		For 1" Square x 14 Gauge Pickets, Add	*192.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,322.24	75.24
		For Solid Pickets, Add	*506.39*	
		For Aluminum With Satin Finish, Add	*599.97*	
		For Third Rail, Add	*158.05*	
		For 1" Square x 14 Gauge Pickets, Add	*210.74*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,513.35	83.71
		For Solid Pickets, Add	*547.56*	
		For Aluminum With Satin Finish, Add	*646.35*	
		For Third Rail, Add	*170.56*	
		For 1" Square x 14 Gauge Pickets, Add	*227.41*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,691.39	93.40
		For Solid Pickets, Add	*585.54*	
		For Aluminum With Satin Finish, Add	*687.30*	
		For Third Rail, Add	*181.83*	
		For 1" Square x 14 Gauge Pickets, Add	*242.45*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	714.22	21.14
		For Solid Pickets, Add	*155.93*	
		For Aluminum With Satin Finish, Add	*185.66*	
		For Third Rail, Add	*48.80*	
		For 1" Square x 14 Gauge Pickets, Add	*65.07*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	750.43	22.28
		For Solid Pickets, Add	*163.83*	
		For Aluminum With Satin Finish, Add	*195.01*	
		For Third Rail, Add	*51.26*	
		For 1" Square x 14 Gauge Pickets, Add	*68.35*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	786.79	23.43
		For Solid Pickets, Add	*171.74*	
		For Aluminum With Satin Finish, Add	*204.34*	
		For Third Rail, Add	*53.73*	
		For 1" Square x 14 Gauge Pickets, Add	*71.64*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	823.22	24.65
		For Solid Pickets, Add	*179.67*	
		For Aluminum With Satin Finish, Add	*213.66*	
		For Third Rail, Add	*56.19*	
		For 1" Square x 14 Gauge Pickets, Add	*74.92*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	952.95	29.99
		For Solid Pickets, Add	*207.66*	
		For Aluminum With Satin Finish, Add	*245.36*	
		For Third Rail, Add	*64.72*	
		For 1" Square x 14 Gauge Pickets, Add	*86.29*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,071.80	35.10
		For Solid Pickets, Add	*233.26*	
		For Aluminum With Satin Finish, Add	*274.16*	
		For Third Rail, Add	*72.49*	
		For 1" Square x 14 Gauge Pickets, Add	*96.65*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,158.58	40.36
		For Solid Pickets, Add	*251.58*	
		For Aluminum With Satin Finish, Add	*292.98*	
		For Third Rail, Add	*77.79*	
		For 1" Square x 14 Gauge Pickets, Add	*103.73*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,257.23	45.48
		For Solid Pickets, Add	*272.63*	
		For Aluminum With Satin Finish, Add	*315.70*	
		For Third Rail, Add	*84.05*	
		For 1" Square x 14 Gauge Pickets, Add	*112.06*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,378.12	50.82
		For Solid Pickets, Add	*298.63*	
		For Aluminum With Satin Finish, Add	*344.76*	
		For Third Rail, Add	*91.91*	
		For 1" Square x 14 Gauge Pickets, Add	*122.55*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,400.35	34.64
		For Solid Pickets, Add	*307.65*	
		For Aluminum With Satin Finish, Add	*375.53*	
		For Third Rail, Add	*97.60*	
		For 1" Square x 14 Gauge Pickets, Add	*130.13*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,482.84	40.52
		For Solid Pickets, Add	*324.95*	
		For Aluminum With Satin Finish, Add	*392.72*	
		For Third Rail, Add	*102.53*	
		For 1" Square x 14 Gauge Pickets, Add	*136.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	1,566.17	46.70
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*342.38*	
		For Aluminum With Satin Finish, Add	*409.79*	
		For Third Rail, Add	*107.45*	
		For 1" Square x 14 Gauge Pickets, Add	*143.27*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	1,649.92	52.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*359.96*	
		For Aluminum With Satin Finish, Add	*427.36*	
		For Third Rail, Add	*112.47*	
		For 1" Square x 14 Gauge Pickets, Add	*149.97*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	1,858.31	58.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*405.53*	
		For Aluminum With Satin Finish, Add	*481.95*	
		For Third Rail, Add	*126.78*	
		For 1" Square x 14 Gauge Pickets, Add	*169.04*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate	2,245.27	65.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*491.15*	
		For Aluminum With Satin Finish, Add	*589.35*	
		For Third Rail, Add	*154.36*	
		For 1" Square x 14 Gauge Pickets, Add	*205.81*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate	2,222.46	73.48
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*484.31*	
		For Aluminum With Satin Finish, Add	*572.30*	
		For Third Rail, Add	*150.95*	
		For 1" Square x 14 Gauge Pickets, Add	*201.26*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate	2,408.51	81.95
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*524.35*	
		For Aluminum With Satin Finish, Add	*617.16*	
		For Third Rail, Add	*163.07*	
		For 1" Square x 14 Gauge Pickets, Add	*217.43*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate	2,630.78	91.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*572.28*	
		For Aluminum With Satin Finish, Add	*671.38*	
		For Third Rail, Add	*177.67*	
		For 1" Square x 14 Gauge Pickets, Add	*236.89*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate	2,778.49	102.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*603.25*	
		For Aluminum With Satin Finish, Add	*702.09*	
		For Third Rail, Add	*186.48*	
		For 1" Square x 14 Gauge Pickets, Add	*248.64*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate	776.18	22.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*169.49*	
		For Aluminum With Satin Finish, Add	*201.95*	
		For Third Rail, Add	*53.06*	
		For 1" Square x 14 Gauge Pickets, Add	*70.75*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate	814.11	24.11
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*177.74*	
		For Aluminum With Satin Finish, Add	*211.61*	
		For Third Rail, Add	*55.62*	
		For 1" Square x 14 Gauge Pickets, Add	*74.16*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate	854.56	25.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*186.55*	
		For Aluminum With Satin Finish, Add	*222.03*	
		For Third Rail, Add	*58.37*	
		For 1" Square x 14 Gauge Pickets, Add	*77.83*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate	891.14	28.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*194.12*	
		For Aluminum With Satin Finish, Add	*229.05*	
		For Third Rail, Add	*60.45*	
		For 1" Square x 14 Gauge Pickets, Add	*80.61*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate	1,053.81	32.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*229.90*	
		For Aluminum With Satin Finish, Add	*272.88*	
		For Third Rail, Add	*71.82*	
		For 1" Square x 14 Gauge Pickets, Add	*95.77*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate	1,173.46	38.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*255.33*	
		For Aluminum With Satin Finish, Add	*299.84*	
		For Third Rail, Add	*79.31*	
		For 1" Square x 14 Gauge Pickets, Add	*105.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate	1,226.65	44.95
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*265.87*	
		For Aluminum With Satin Finish, Add	*307.21*	
		For Third Rail, Add	*81.87*	
		For 1" Square x 14 Gauge Pickets, Add	*109.16*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate	1,315.97	51.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*284.48*	
		For Aluminum With Satin Finish, Add	*325.08*	
		For Third Rail, Add	*87.08*	
		For 1" Square x 14 Gauge Pickets, Add	*116.11*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate	1,393.93	58.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*300.53*	
		For Aluminum With Satin Finish, Add	*339.54*	
		For Third Rail, Add	*91.44*	
		For 1" Square x 14 Gauge Pickets, Add	*121.92*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	1,522.04	37.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*334.53*	
		For Aluminum With Satin Finish, Add	*409.02*	
		For Third Rail, Add	*106.22*	
		For 1" Square x 14 Gauge Pickets, Add	*141.63*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	1,614.61	44.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*353.72*	
		For Aluminum With Satin Finish, Add	*426.97*	
		For Third Rail, Add	*111.53*	
		For 1" Square x 14 Gauge Pickets, Add	*148.70*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	1,705.08	51.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*372.50*	
		For Aluminum With Satin Finish, Add	*444.67*	
		For Third Rail, Add	*116.74*	
		For 1" Square x 14 Gauge Pickets, Add	*155.65*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	1,781.24	59.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*388.00*	
		For Aluminum With Satin Finish, Add	*457.69*	
		For Third Rail, Add	*120.81*	
		For 1" Square x 14 Gauge Pickets, Add	*161.08*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	2,069.63	67.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*451.25*	
		For Aluminum With Satin Finish, Add	*534.39*	
		For Third Rail, Add	*140.81*	
		For 1" Square x 14 Gauge Pickets, Add	*187.74*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate	2,577.86	75.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*563.78*	
		For Aluminum With Satin Finish, Add	*675.90*	
		For Third Rail, Add	*177.10*	
		For 1" Square x 14 Gauge Pickets, Add	*236.13*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate	2,360.47	85.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*512.79*	
		For Aluminum With Satin Finish, Add	*598.22*	
		For Third Rail, Add	*158.72*	
		For 1" Square x 14 Gauge Pickets, Add	*211.62*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate	2,528.80	96.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*548.27*	
		For Aluminum With Satin Finish, Add	*634.37*	
		For Third Rail, Add	*168.95*	
		For 1" Square x 14 Gauge Pickets, Add	*225.26*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate	2,787.68	108.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*603.87*	
		For Aluminum With Satin Finish, Add	*696.17*	
		For Third Rail, Add	*185.72*	
		For 1" Square x 14 Gauge Pickets, Add	*247.63*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate	2,847.35	122.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*614.34*	
		For Aluminum With Satin Finish, Add	*696.31*	
		For Third Rail, Add	*187.24*	
		For 1" Square x 14 Gauge Pickets, Add	*249.65*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	22.00	
		For 1" Square x 14 Gauge Pickets, Add	*0.67*	

32 31 19 00-0168 Remove And Reinstall Ornamental Fences *(32 31 19)*

Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	34.34	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	37.77	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	41.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	44.64	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	48.07	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	51.51	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	57.23	

32 31 26 Wire Fences And Gates *(32 31)*

32 31 26 13 Wire Fences with Steel Posts *(32 31 26)*

32 31 26 13-0001 Chicken Wire *(32 31 26 13)*

Note: Posts at 4'.

32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	6.25	1.38
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	6.88	1.38

32 31 26 13-0004 Wire And Screen *(32 31 26 13)*

32 31 26 13-0005 Screen For Partitions And Ceilings *(32 31 26 13-0004)*

Note: Can be used to support insulation on walls and ceilings.

32 31 26 13-0006	SF	1" Mesh Chicken Wire	1.43	

32 31 26 13-0007 Wicket Fence *(32 31 26 13)*

32 31 26 13-0008	LF	Steel Wicket Fence, Painted	48.14	3.73

32 31 29 Wood Fences And Gates *(32 31)*

See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 29 00-0001 Open Rail Fence *(32 31 29)*

32 31 29 00-0002 Post And Rail Fence, Ranch Style *(32 31 29 00-0001)*

32 31 29 00-0003	LF	Post And Rail Fence, 2 Rails, 3' High # 1 Cedar	21.62	2.76
32 31 29 00-0004	LF	Post And Rail Fence, 2 Rails, 3' High # 2 Cedar	16.88	2.76
32 31 29 00-0005	LF	Post And Rail Fence, 3 Rails, 4' High # 1 Cedar	25.62	2.76
32 31 29 00-0006	LF	Post And Rail Fence, 3 Rails, 4' High # 2 Cedar	18.23	2.76

32 31 29 00-0007 Split Rail Fence *(32 31 29 00-0001)*

32 31 29 00-0008	LF	Split Rail Fence, 2 Rails, 3' High # 1 Cedar	20.40	2.76
32 31 29 00-0009	LF	Split Rail Fence, 2 Rails, 3' High # 2 Cedar	16.82	2.76
32 31 29 00-0010	LF	Split Rail Fence, 3 Rail, 4' High # 1 Cedar	23.29	2.76
32 31 29 00-0011	LF	Split Rail Fence, 3 Rail, 4' High # 2 Cedar	18.92	2.76

32 31 29 00-0012 Picket Fence *(32 31 29)*

32 31 29 00-0013	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	22.85	2.76
		For Fastening With Screws Instead Of Nails, Add	*1.47*	
32 31 29 00-0014	LF	Picket Fence, 2 Rail, 3' High # 1 Cedar	21.48	2.76
		For Fastening With Screws Instead Of Nails, Add	*1.40*	

32 31 29 00-0015 Basket Weave *(32 31 29)*

Note: 3/8" x 4" boards, 4" x 4" post

32 31 29 00-0016	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	37.55	2.76
		For Fastening With Screws Instead Of Nails, Add	*2.17*	
32 31 29 00-0017	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	23.91	2.76
		For Fastening With Screws Instead Of Nails, Add	*1.50*	

32 31 29 00-0018 Board Fence *(32 31 29)*

Note: 1x4" board, 2x4" rail, 4x4" post.

32 31 29 00-0019	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	21.96	2.76
		For 1" x 6" Boards, Deduct	*-2.28*	
		For 1" x 3" Boards (Stockade Top), Add	*2.82*	
		For Fastening With Screws Instead Of Nails, Add	*1.42*	
32 31 29 00-0020	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	24.47	2.76
		For 1" x 6" Boards, Deduct	*-2.48*	
		For 1" x 3" Boards (Stockade Top), Add	*3.06*	
		For Fastening With Screws Instead Of Nails, Add	*1.57*	
32 31 29 00-0021	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	27.37	2.76
		For 1" x 6" Boards, Deduct	*-2.66*	
		For 1" x 3" Boards (Stockade Top), Add	*3.24*	
		For Fastening With Screws Instead Of Nails, Add	*1.72*	
32 31 29 00-0022	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	29.25	2.76
		For 1" x 6" Boards, Deduct	*-2.80*	
		For 1" x 3" Boards (Stockade Top), Add	*3.39*	
		For Fastening With Screws Instead Of Nails, Add	*1.83*	
32 31 29 00-0023	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	31.28	2.76
		For 1" x 6" Boards, Deduct	*-2.94*	
		For 1" x 3" Boards (Stockade Top), Add	*3.55*	
		For Fastening With Screws Instead Of Nails, Add	*1.95*	
32 31 29 00-0024	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	23.52	2.76
		For 1" x 6" Boards, Deduct	*-2.34*	
		For 1" x 3" Boards (Stockade Top), Add	*2.87*	
		For Fastening With Screws Instead Of Nails, Add	*1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0025	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar	25.67	2.76
		For 1" x 6" Boards, Deduct	*-2.53*	
		For 1" x 3" Boards (Stockade Top), Add	*3.10*	
		For Fastening With Screws Instead Of Nails, Add	*1.63*	
32 31 29 00-0026	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar	27.37	2.76
		For 1" x 6" Boards, Deduct	*-2.66*	
		For 1" x 3" Boards (Stockade Top), Add	*3.24*	
		For Fastening With Screws Instead Of Nails, Add	*1.72*	
32 31 29 00-0027	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar	29.25	2.76
		For 1" x 6" Boards, Deduct	*-2.80*	
		For 1" x 3" Boards (Stockade Top), Add	*3.39*	
		For Fastening With Screws Instead Of Nails, Add	*1.83*	
32 31 29 00-0028	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar	31.28	2.76
		For 1" x 6" Boards, Deduct	*-2.94*	
		For 1" x 3" Boards (Stockade Top), Add	*3.55*	
		For Fastening With Screws Instead Of Nails, Add	*1.95*	
32 31 29 00-0029	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" # 1 Grade Cedar	23.52	2.76
		For 1" x 6" Boards, Deduct	*-2.34*	
		For 1" x 3" Boards (Stockade Top), Add	*2.87*	
		For Fastening With Screws Instead Of Nails, Add	*1.49*	
32 31 29 00-0030	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" # 1 Grade Cedar	30.98	2.76
		For 1" x 6" Boards, Deduct	*-2.75*	
		For 1" x 3" Boards (Stockade Top), Add	*3.26*	
		For Fastening With Screws Instead Of Nails, Add	*1.89*	
32 31 29 00-0031	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" # 1 Grade Cedar	32.46	2.76
		For 1" x 6" Boards, Deduct	*-2.86*	
		For 1" x 3" Boards (Stockade Top), Add	*3.39*	
		For Fastening With Screws Instead Of Nails, Add	*1.98*	
32 31 29 00-0032	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" # 1 Grade Cedar	34.94	2.76
		For 1" x 6" Boards, Deduct	*-3.02*	
		For 1" x 3" Boards (Stockade Top), Add	*3.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.12*	
32 31 29 00-0033	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" # 1 Grade Cedar	37.63	2.76
		For 1" x 6" Boards, Deduct	*-3.19*	
		For 1" x 3" Boards (Stockade Top), Add	*3.74*	
		For Fastening With Screws Instead Of Nails, Add	*2.27*	
32 31 29 00-0034	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted	21.67	2.76
32 31 29 00-0035	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted	22.42	2.76
32 31 29 00-0036	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted	25.69	2.76
32 31 29 00-0037		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0038	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	39.55	2.76
		For Fastening With Screws Instead Of Nails, Add	*2.27*	
32 31 29 00-0039	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" # 1 Cedar	49.54	2.76
		For Fastening With Screws Instead Of Nails, Add	*2.82*	
32 31 29 00-0040	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" # 1 Cedar	53.83	2.76
		For Fastening With Screws Instead Of Nails, Add	*3.05*	
32 31 29 00-0041	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" # 1 Cedar	57.83	2.76
		For Fastening With Screws Instead Of Nails, Add	*3.27*	
32 31 29 00-0042		**Wood Fence Post Accessories** *(32 31 29)*		
32 31 29 00-0043	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	30.59	
32 31 29 00-0044	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	33.83	
32 31 29 00-0045	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	36.98	
32 31 29 00-0046	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	53.09	
32 31 29 00-0047		**Wood Gate** *(32 31 29)*		
32 31 29 00-0048		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0047)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0049	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	327.06	96.14
32 31 29 00-0050	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	362.85	101.91
32 31 29 00-0051	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	406.34	111.52
32 31 29 00-0052	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	463.70	117.30
32 31 29 00-0053	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	521.05	123.07
32 31 29 00-0054	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	415.54	126.91
32 31 29 00-0055	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	454.03	132.68
32 31 29 00-0056	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	492.52	138.44
32 31 29 00-0057	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	557.97	144.21
32 31 29 00-0058	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	609.94	149.98
32 31 29 00-0059		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0047)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0060	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	536.73	86.42
32 31 29 00-0061	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	555.19	91.61
32 31 29 00-0062	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	583.26	100.26
32 31 29 00-0063	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	615.19	105.44
32 31 29 00-0064	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	655.21	110.63
32 31 29 00-0065	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	632.47	114.09
32 31 29 00-0066	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	656.32	119.27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0067	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	693.64	124.46
32 31 29 00-0068	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	730.97	129.64
32 31 29 00-0069	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	768.29	134.83

32 31 29 00-0070 Board Fence Gates, Grade 1 Cedar *(32 31 29 00-0047)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0071	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	577.16	86.42
32 31 29 00-0072	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	601.01	91.61
32 31 29 00-0073	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	631.77	100.26
32 31 29 00-0074	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	669.10	105.44
32 31 29 00-0075	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	706.42	110.63
32 31 29 00-0076	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	686.38	114.09
32 31 29 00-0077	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	710.23	119.27
32 31 29 00-0078	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	747.55	124.46
32 31 29 00-0079	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	784.87	129.64
32 31 29 00-0080	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	835.67	134.83

32 32 Retaining Walls *(32 30)*

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	33.38	6.75
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	35.20	7.10
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	37.09	7.82
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	39.06	8.53

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	34.42	6.75
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	36.23	7.10
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	38.13	7.82
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	40.10	8.53

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	36.90	6.75
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	38.72	7.10
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	40.61	7.82
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	42.58	8.53

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	33.38	6.75
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	35.20	7.10
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	37.09	7.82
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	39.06	8.53
		For Gravel Backfill Instead Of Earth, Add	*0.25*	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	30.23	6.75
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	33.08	7.10
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	35.00	7.82
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	36.77	8.53

32 32 23 13-0027 Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	23.61	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	498.94	96.91
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	756.05	159.20
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,294.25	242.27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0007		**Single Sided** *(32 33 13 00-0002)*		
32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	437.18	86.52
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	623.01	143.98
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,061.36	216.31
32 33 13 00-0011		**Anchor Set For Vertical Style Bike Rack** *(32 33 13 00-0002)*		
32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	87.67	
32 33 13 00-0013		**Bike Racks Ground Loop** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	680.73	169.79
32 33 13 00-0015		**Serpentine Bike Racks** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0016		**Galvanized, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	380.70	103.82
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	509.13	112.48
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	637.56	121.13
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	781.86	129.78
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	926.17	138.44
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,006.98	147.09
32 33 13 00-0023		**Galvanized, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	427.24	103.82
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	542.68	112.48
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	658.13	121.13
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	761.30	129.78
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	876.74	138.44
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,016.72	147.09
32 33 13 00-0030		**Powder Coated, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	380.70	103.82
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	509.13	112.48
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	637.56	121.13
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	781.86	129.78
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	926.17	138.44
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,006.98	147.09
32 33 13 00-0037		**Powder Coated, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	439.51	103.82
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	567.21	112.48
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	682.66	121.13
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	822.63	129.78
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	938.07	138.44
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,090.32	147.09
32 33 13 00-0044		**Stainless Steel, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	693.43	103.82
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,022.67	112.48
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,351.95	121.13
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,725.77	129.78
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,099.59	138.44
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,295.16	147.09
32 33 13 00-0051		**Stainless Steel, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	549.91	103.82
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,180.57	112.48
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,541.37	121.13
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,877.61	129.78
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,226.13	138.44
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,586.92	147.09
32 33 13 00-0058		**Bike Racks Bollards/Bicycle Posts** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	402.86	77.87
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		**Precast Concrete Planters** *(32 33 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0002		**Circular Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	476.80	19.91
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	534.45	23.89
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	584.14	23.89
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	634.49	27.88
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	768.80	35.85
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	836.02	35.85
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	941.90	39.83
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	994.51	39.83
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,109.42	49.78
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,180.10	52.97
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,229.51	55.76
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,116.22	49.78
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,228.05	55.76
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	1,570.69	59.74
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,038.06	75.67
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	2,366.08	79.65
32 33 33 00-0019		**Square Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	963.89	51.77
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,102.75	55.76
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	1,736.49	63.72
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	1,852.60	67.71
32 33 33 00-0024		**Rectangular Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	556.37	23.89
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	654.80	35.85
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	759.22	39.83
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	865.36	49.78
32 33 33 00-0029		**Fiberglass Planters** *(32 33 33)*		
32 33 33 00-0030		**Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	1,167.15	19.91
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	1,944.08	19.91
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	777.30	19.91
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	1,534.51	19.91
32 33 33 00-0035		**Tapered Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	452.56	19.91
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	664.69	19.91
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,186.87	19.91
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,658.37	19.91
32 33 33 00-0040		**Square Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	595.10	19.91
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	608.39	19.91
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	615.43	19.91
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	698.48	19.91
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	758.99	19.91
32 33 33 00-0046		**Rectangular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	685.33	19.91
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	734.95	19.91
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	958.41	19.91
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,057.66	19.91
32 33 33 00-0051		**Timber Planters** *(32 33 33)*		
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	437.20	41.40
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	437.20	41.40
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	832.51	41.40
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	721.16	41.40
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	860.35	41.40
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,218.88	41.40
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	3,338.01	41.40
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	431.63	41.40
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	481.74	41.40
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	632.07	41.40
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	698.89	41.40
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	899.33	41.40
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,044.09	41.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,166.58	41.40
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,517.35	41.40
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	1,712.22	41.40
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	1,951.63	41.40
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	1,856.98	41.40
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,101.96	41.40
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	2,352.51	41.40

32 33 43 Site Seating And Tables *(32 33)*

32 33 43 13 Site Seating *(32 33 43)*

32 33 43 13-0001 Benches (Landscapeforms) *(32 33 43 13)*

Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.

32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,403.01	69.01
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	1,757.21	69.01
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	1,984.91	69.01
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	161.00	17.25
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,535.01	69.01
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	1,738.51	69.01
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,898.01	69.01
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,145.51	69.01
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,173.01	69.01
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,420.51	69.01
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	2,824.87	69.01
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,071.49	69.01
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	791.45	51.75
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	856.35	51.75
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	925.51	60.38
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,081.27	60.38
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	990.41	60.38
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,055.31	60.38
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,137.47	69.01
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,306.21	69.01
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,107.23	60.38
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,189.39	69.01
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,254.29	69.01
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,423.03	69.01
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,272.01	69.01
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	2,613.01	69.01
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,453.61	69.01
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,757.21	69.01
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,909.01	69.01
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	1,859.51	69.01
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,063.01	69.01
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,283.01	69.01
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,486.51	69.01
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	2,695.51	69.01
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,371.01	69.01
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,574.51	69.01
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	2,910.01	69.01
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,124.51	69.01
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,322.51	69.01
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	540.50	17.25
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	727.50	17.25
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	727.50	17.25
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	661.50	17.25
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	821.00	17.25
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	821.00	17.25
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	821.00	17.25
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	126.50	17.25
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	760.50	17.25
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	843.00	17.25
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	925.50	17.25
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	920.00	17.25
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,002.50	17.25
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,085.00	17.25
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	909.00	17.25
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	991.50	17.25
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,074.00	17.25
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,112.50	17.25
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,195.00	17.25
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,277.50	17.25
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,112.50	17.25
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,195.00	17.25
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,277.50	17.25
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,513.01	69.01
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,535.01	69.01
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,870.51	69.01
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,272.01	69.01
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	2,684.51	69.01
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,075.01	69.01
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,216.01	69.01
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,623.01	69.01
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,661.51	69.01

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	1,914.51	69.01
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,162.01	69.01
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,420.51	69.01
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	2,673.51	69.01
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,162.01	69.01
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	2,618.51	69.01
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,064.01	69.01
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,322.51	69.01
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	3,872.51	69.01
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,125.51	69.01
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	4,373.01	69.01
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,028.25	60.38
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,242.75	60.38
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,358.25	60.38
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,590.01	69.01
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,804.51	69.01

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	514.86	34.50
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	588.39	34.50
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	750.11	34.50
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	536.94	34.50
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	610.44	34.50
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	779.52	34.50
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	779.52	34.50
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	904.48	34.50
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	1,161.76	34.50
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	816.27	34.50
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	941.23	34.50
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	1,213.22	34.50
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	1,492.55	34.50
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	1,749.83	34.50
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	2,286.45	34.50
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	1,529.31	34.50
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	1,786.59	34.50
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	2,337.90	34.50
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	595.74	34.50
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	669.25	34.50
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	617.80	34.50
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	691.30	34.50
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	985.34	34.50
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	1,161.76	34.50
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,044.15	34.50
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	1,220.57	34.50
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	632.66	51.75
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	662.07	51.75
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	889.94	51.75
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	485.48	34.50
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	558.99	34.50
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	632.50	34.50
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	808.92	34.50
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	882.43	34.50
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	492.83	34.50
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	566.34	34.50
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	639.85	34.50
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	830.97	34.50
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	904.48	34.50
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	823.62	34.50
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	948.59	34.50
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	1,220.57	34.50
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	1,345.53	34.50
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	838.32	34.50
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	963.29	34.50
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	1,242.62	34.50
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	1,367.59	34.50
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	823.62	34.50
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	1,154.41	34.50
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,029.45	34.50
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	1,352.88	34.50
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	1,477.85	34.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	941.23	34.50
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	1,176.46	34.50
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,044.15	34.50
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	1,374.94	34.50
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	1,499.90	34.50
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	875.24	51.75
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,007.56	51.75
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	1,286.89	51.75
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	956.10	51.75
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,088.42	51.75
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	1,411.86	51.75
32 33 43 13-0154		Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*		
		Note: Includes powder coated steel frames.		
32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	698.66	34.50
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	948.59	34.50
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	720.71	34.50
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	970.64	34.50
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,088.25	34.50
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	1,272.02	34.50
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	1,147.06	34.50
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	1,330.83	34.50
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	706.17	51.75
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	845.84	51.75
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	992.86	51.75
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	573.67	34.50
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	764.81	34.50
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	911.83	34.50
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	595.74	34.50
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	786.87	34.50
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	941.23	34.50
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	904.48	34.50
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	1,213.22	34.50
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	1,470.50	34.50
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	941.23	34.50
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	1,264.67	34.50
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	1,521.95	34.50
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	1,749.83	34.50
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	2,404.06	34.50
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	2,661.34	34.50
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	1,786.59	34.50
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	2,455.52	34.50
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	2,712.80	34.50
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,102.95	34.50
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	1,529.31	34.50
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	1,463.15	34.50
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	1,676.32	34.50
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	2,249.69	34.50
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,117.66	34.50
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	1,551.36	34.50
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	1,485.20	34.50
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	1,698.38	34.50
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	2,286.45	34.50
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,059.01	51.75
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	1,419.21	51.75
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	1,750.00	51.75
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	1,183.98	51.75
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	1,573.58	51.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	1,727.95	51.75
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	514.88	34.50
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	669.25	34.50
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	897.13	34.50
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,051.50	34.50
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	1,220.57	34.50
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	529.58	34.50
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	683.95	34.50
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	919.18	34.50
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,073.55	34.50
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	1,249.97	34.50
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	985.34	34.50
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	1,345.53	34.50
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	1,654.27	34.50
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	1,860.10	34.50
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,000.04	34.50
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	1,367.59	34.50
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	1,676.32	34.50
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	1,889.50	34.50

32 33 43 53 Site Tables *(32 33 43)*

32 33 43 53-0001 Picnic Tables *(32 33 43 53)*

32 33 43 53-0002 Wooden Picnic Tables *(32 33 43 53-0001)*

32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table	778.30	51.75

32 33 43 53-0004 Portable Picnic Tables *(32 33 43 53-0001)*

32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame	864.79	34.50
32 33 43 53-0006	EA	6' Aluminum Table And Frame	1,249.37	34.50
32 33 43 53-0007	EA	8' Aluminum Table And Frame	1,491.44	43.13
32 33 43 53-0008	EA	6' Steel Table And Frame	750.54	34.50
32 33 43 53-0009	EA	8' Steel Table And Frame	860.95	43.13

32 33 43 53-0010 Concrete Picnic Tables *(32 33 43 53-0001)*

32 33 43 53-0011	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	1,517.04	138.01
32 33 43 53-0012	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	1,744.95	
32 33 43 53-0013	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	1,750.36	
32 33 43 53-0014	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	1,862.03	

32 33 43 53-0015 Plastic Picnic Tables *(32 33 43 53-0001)*

Note: Manufactured from recycled plastic.

32 33 43 53-0016 Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0015)*

32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	630.50	51.75
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	686.47	51.75

32 33 43 53-0019 Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0015)*

32 33 43 53-0020	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	812.02	51.75
32 33 43 53-0021	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	887.19	51.75

32 33 43 53-0022 Recycled Plastic Tables *(32 33 43 53-0015)*

32 33 43 53-0023	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	1,049.25	51.75
32 33 43 53-0024	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	881.61	51.75
32 33 43 53-0025	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	958.65	51.75
32 33 43 53-0026	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	899.49	51.75
32 33 43 53-0027	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	1,119.98	51.75
32 33 43 53-0028	EA	4' Youth Table, Recycled Plastic Lumber	464.15	41.40

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0139 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13		**Manufactured Metal Bollards** *(32 39)*			
32 39 13 00-0001		Metal Pipe Bollards *(32 39 13)*			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.			
32 39 13 00-0002		Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*			
32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		39.60	9.28
		For Galvanized Steel, Add		*3.58*	
		For 304 Stainless Steel, Add		*28.43*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*98.16*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add		*73.62*	
		For Schedule 80, Add		*5.01*	
		For Concrete Fill, Add Per LF Of Pipe Bollard		*8.11*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		51.75	9.28
		For Galvanized Steel, Add		*5.65*	
		For 304 Stainless Steel, Add		*44.83*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*98.16*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add		*73.62*	
		For Schedule 80, Add		*6.84*	
		For Concrete Fill, Add Per LF Of Pipe Bollard		*11.51*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		72.44	11.60
		For Galvanized Steel, Add		*8.37*	
		For 304 Stainless Steel, Add		*66.50*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*130.72*	
		For Each Sleeve For Removable, Lockable Bollard, Add		*112.79*	
		For Schedule 80, Add		*9.71*	
		For Concrete Fill, Add Per LF Of Pipe Bollard		*15.37*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		95.22	13.92
		For Galvanized Steel, Add		*11.46*	
		For 304 Stainless Steel, Add		*90.99*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*149.28*	
		For Each Sleeve For Removable, Lockable Bollard, Add		*121.72*	
		For Schedule 80, Add		*12.89*	
		For Concrete Fill, Add Per LF Of Pipe Bollard		*18.83*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		120.74	18.54
		For Galvanized Steel, Add		*14.22*	
		For 304 Stainless Steel, Add		*112.91*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*201.44*	
		For Each Sleeve For Removable, Lockable Bollard, Add		*168.29*	
		For Schedule 80, Add		*16.26*	
		For Concrete Fill, Add Per LF Of Pipe Bollard		*22.02*	
32 39 23		**Manufactured Concrete Bollards** *(32 39)*			
32 39 23 00-0001		Concrete Bollards *(32 39 23)*			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.			
32 39 23 00-0002		Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*			
32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Sandblast		529.98	74.19
		Note: Surface mounted with anchor bolts embedded into grout pockets.			
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Sandblast		529.98	74.19
		Note: Surface mounted with anchor bolts embedded into grout pockets.			
32 39 25		**Manufactured Wood Bollards** *(32 39)*			
32 39 25 00-0001		Wood Bollards *(32 39 25)*			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.			
32 39 25 00-0002		Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*			
32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard		17.21	7.42
		For Each Sleeve For Removable, Lockable Bollard, Add		*75.58*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard		19.71	7.42
		For Each Sleeve For Removable, Lockable Bollard, Add		*75.58*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard		25.37	8.35
		For Each Sleeve For Removable, Lockable Bollard, Add		*117.34*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard		35.79	11.13
		For Each Sleeve For Removable, Lockable Bollard, Add		*128.06*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard		49.16	14.83
		For Each Sleeve For Removable, Lockable Bollard, Add		*180.45*	
32 39 27		**Manufactured Plastic Bollards** *(32 39)*			
32 39 27 00-0001		Plastic Bollards *(32 39 27)*			
		See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.			
32 39 27 00-0002		Recycled Plastic Bollards *(32 39 27 00-0001)*			
32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard		215.67	37.10
		Note: Includes anchor bolts.			
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard		341.63	37.10
32 39 27 00-0005		Plastic Bollard Covers *(32 39 27 00-0001)*			
32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe		55.21	8.89
		For Reflective Tape, Add		*5.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	59.83	9.78
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	73.93	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	73.93	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	82.67	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	73.93	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	75.18	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	73.93	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	75.18	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	103.88	8.89
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	75.71	9.78
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	95.68	9.78
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	108.51	9.78
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	92.46	10.67
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	99.94	10.67
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	99.94	10.67
		For Reflective Tape, Add	*5.94*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	133.65	10.67
		For Reflective Tape, Add	*5.94*	

32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,172.97	92.74
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,480.57	129.83
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	713.34	92.74
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,082.01	74.19
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,629.62	74.19

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	30.96	7.64
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	46.81	7.64
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	45.70	7.64
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	60.59	7.64

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	92.06	7.64
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	92.88	7.64
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	37.88	7.64
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	38.54	7.64
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	99.69	7.64
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	47.74	7.64
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	52.87	7.64

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	37.22	7.64
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	37.22	7.64
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	37.22	7.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	42.61	7.64
32 84 13 00-0020		**Drip Emitter Irrigation Tubing** *(32 84 13 00-0001)*		
		Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	2.78	1.07
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	2.65	1.22
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	2.25	1.07
		For Shallow Trenching And Backfill By Hand, Add	*4.38*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	2.64	1.22
		For Shallow Trenching And Backfill By Hand, Add	*4.76*	
32 84 13 00-0025		**Drip Emitter Irrigation Fittings** *(32 84 13 00-0001)*		
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	2.01	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	2.03	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	2.06	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	2.15	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	1.99	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	2.11	
		For Compression Fitting, Add	*0.20*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	2.16	
		For Compression Fitting, Add	*0.25*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	2.19	
		For Compression Fitting, Add	*0.28*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	2.20	
		For Compression Fitting, Add	*0.29*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	2.32	
		For Compression Fitting, Add	*0.41*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	2.46	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	1.22	
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	4.13	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	4.65	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	9.43	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	16.10	6.88
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	16.13	6.88
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	17.58	6.88
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	17.73	6.88
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	25.43	9.02
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	27.30	9.02
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	27.10	9.02
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)*		
		Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	3.03	1.34
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)*		
		Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	22.54	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	21.48	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	25.41	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	28.69	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	22.96	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	28.48	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	31.14	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	24.53	8.45
		For Rotary Nozzle, Add	*3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	29.57	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	32.05	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	25.16	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	32.89	8.45
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	35.33	8.45
		For Rotary Nozzle, Add	*3.25*	

32 84 23 00-0016 Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0001)*

Note: Maximum spacing is equivalent to maximum radius.

32 84 23 00-0017 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0016)*

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0018	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	30.30	8.45
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0019	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	31.17	8.45
		For Non-Potable Cover, Add	*2.00*	

32 84 23 00-0020 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0016)*

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0021	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	28.20	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0022	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	37.64	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	29.95	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	39.04	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	30.65	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	32.05	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	41.13	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	46.73	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	31.87	8.45
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0030	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	37.46	8.45
		For Non-Potable Cover, Add	*2.00*	

32 84 23 00-0031 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0016)*

Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.

32 84 23 00-0032	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	50.75	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*25.73*	

32 84 23 00-0033 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0016)*

Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.

32 84 23 00-0034	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	71.02	8.45
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

32 84 23 00-0035 Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*

Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.

32 84 23 00-0036	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	40.96	8.45
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0037	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	32.57	8.45
32 84 23 00-0038	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	60.52	8.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0039		Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0040		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0039)* Note: 15 to 150 PSI.		
32 84 23 00-0041	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	95.04	35.22
32 84 23 00-0042	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	95.04	35.22
32 84 23 00-0043	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	95.74	35.22
32 84 23 00-0044		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0039)* Note: 15 to 150 PSI.		
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	95.74	35.22
32 84 23 00-0046		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0039)* Note: 20 to 200 PSI.		
32 84 23 00-0047	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	151.66	35.22
32 84 23 00-0048	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	176.13	35.22
32 84 23 00-0049	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	207.58	35.22
32 84 23 00-0050		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0039)* Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0051	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	213.88	39.58
32 84 23 00-0052	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	238.35	39.58
32 84 23 00-0053	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	269.80	39.58
32 84 23 00-0054		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0039)* Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0055	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	248.83	39.58
32 84 23 00-0056	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	273.30	39.58
32 84 23 00-0057	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	304.76	39.58
32 84 23 00-0058		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) *(32 84 23 00-0039)* Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0059	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	221.25	35.22
32 84 23 00-0060	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	333.73	35.22
32 84 23 00-0061	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	343.90	35.22
32 84 23 00-0062	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	798.36	47.54
32 84 23 00-0063		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) *(32 84 23 00-0039)* Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0064	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	206.29	39.58
32 84 23 00-0065	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	239.74	39.58
32 84 23 00-0066	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	276.06	39.58
32 84 23 00-0067	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	323.87	39.58
32 84 23 00-0068		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) *(32 84 23 00-0039)* Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	269.17	39.58
32 84 23 00-0070	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	402.62	39.58
32 84 23 00-0071	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	414.06	39.58
32 84 23 00-0072	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	850.01	39.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0073		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	272.09	35.22
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	384.57	35.22
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	394.74	35.22
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	849.20	47.54
32 84 23 00-0078		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) *(32 84 23 00-0039)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	258.72	39.58
32 84 23 00-0080	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	292.17	39.58
32 84 23 00-0081	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	328.49	39.58
32 84 23 00-0082	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	376.30	39.58
32 84 23 00-0083		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) *(32 84 23 00-0039)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	320.01	39.58
32 84 23 00-0085	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	453.46	39.58
32 84 23 00-0086	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	464.90	39.58
32 84 23 00-0087	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	900.85	39.58
32 84 23 00-0088		Irrigation Valve Boxes *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0089	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	59.08	25.35
32 84 23 00-0090	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	67.34	25.35
32 84 23 00-0091	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	88.37	33.39
32 84 23 00-0092	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	151.11	48.74
32 84 23 00-0093	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	154.07	48.74
32 84 23 00-0094	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	175.31	48.74
32 84 23 00-0095	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	177.84	48.74
32 84 23 00-0096	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	299.24	48.74
32 84 23 00-0097	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	456.48	48.74
32 84 23 00-0098		Irrigation Controllers *(32 84 23)*		
		See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0099		Irrigation Controllers *(32 84 23 00-0098)*		
32 84 23 00-0100		Irrigation Controllers (Rain Bird®) *(32 84 23 00-0099)*		
32 84 23 00-0101		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0100)*		
32 84 23 00-0102		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0101)*		
32 84 23 00-0103		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0102)*		
32 84 23 00-0104	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	213.43	27.60
32 84 23 00-0105	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	299.32	27.60
32 84 23 00-0106	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	385.20	27.60
32 84 23 00-0107	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	471.08	27.60
32 84 23 00-0108	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	529.37	27.60
32 84 23 00-0109	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	618.69	27.60
32 84 23 00-0110	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	708.03	27.60
32 84 23 00-0111		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0102)*		
32 84 23 00-0112	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	239.71	27.60
32 84 23 00-0113	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	325.60	27.60
32 84 23 00-0114	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	411.48	27.60
32 84 23 00-0115	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	497.36	27.60
32 84 23 00-0116	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	555.65	27.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0117	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	644.97	27.60
32 84 23 00-0118	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	734.31	27.60
32 84 23 00-0119		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0101)*		
32 84 23 00-0120		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0119)*		
32 84 23 00-0121	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	304.73	27.60
32 84 23 00-0122	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	390.62	27.60
32 84 23 00-0123	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	476.50	27.60
32 84 23 00-0124	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	562.38	27.60
32 84 23 00-0125	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	620.67	27.60
32 84 23 00-0126	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	709.99	27.60
32 84 23 00-0127	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	799.33	27.60
32 84 23 00-0128		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0119)*		
32 84 23 00-0129	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	324.42	27.60
32 84 23 00-0130	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	410.31	27.60
32 84 23 00-0131	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	496.19	27.60
32 84 23 00-0132	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	582.07	27.60
32 84 23 00-0133	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	640.36	27.60
32 84 23 00-0134	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	729.68	27.60
32 84 23 00-0135	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	819.02	27.60
32 84 23 00-0136		Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0101)*		
32 84 23 00-0137	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	89.33	
32 84 23 00-0138	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	173.19	
32 84 23 00-0139	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	196.34	
32 84 23 00-0140		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0100)*		
32 84 23 00-0141		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) *(32 84 23 00-0140)*		
32 84 23 00-0142	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	480.52	27.60
32 84 23 00-0143	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	587.24	27.60
32 84 23 00-0144	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	695.22	27.60
32 84 23 00-0145	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	801.94	27.60
32 84 23 00-0146	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	909.94	27.60
32 84 23 00-0147	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,016.65	27.60
32 84 23 00-0148	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,124.65	27.60
32 84 23 00-0149	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,231.36	27.60
32 84 23 00-0150	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,339.36	27.60
32 84 23 00-0151	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,446.08	27.60
32 84 23 00-0152		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0140)*		
32 84 23 00-0153	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	450.28	27.60
32 84 23 00-0154	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	557.00	27.60
32 84 23 00-0155	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	665.00	27.60
32 84 23 00-0156	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	771.70	27.60
32 84 23 00-0157	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	879.70	27.60
32 84 23 00-0158	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	986.43	27.60
32 84 23 00-0159	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,094.40	27.60
32 84 23 00-0160	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,201.13	27.60
32 84 23 00-0161	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,309.12	27.60
32 84 23 00-0162	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,415.84	27.60
32 84 23 00-0163	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,523.83	27.60
32 84 23 00-0164		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0140)*		
32 84 23 00-0165	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	301.64	
32 84 23 00-0166	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	689.32	
32 84 23 00-0167	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	623.50	
32 84 23 00-0168	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	1,377.66	
32 84 23 00-0169	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	106.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0170	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	214.70	
32 84 23 00-0171	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	330.19	
32 84 23 00-0172	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	115.75	
32 84 23 00-0173		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0100)*		
32 84 23 00-0174		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0173)*		
32 84 23 00-0175	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	216.64	27.60
32 84 23 00-0176	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	266.56	27.60
32 84 23 00-0177	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	344.71	27.60
32 84 23 00-0178		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0173)*		
32 84 23 00-0179	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	223.07	
32 84 23 00-0180	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	61.27	20.71
32 84 23 00-0181		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0100)*		
32 84 23 00-0182	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	103.83	20.71
32 84 23 00-0183	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	197.28	20.71
32 84 23 00-0184	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	204.93	20.71
32 84 23 00-0185	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	271.22	20.71
32 84 23 00-0186		Two-Wire Decoder Systems *(32 84 23 00-0098)*		
32 84 23 00-0187		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0186)*		
32 84 23 00-0188		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0187)* Note: Includes water resistant cabinet.		
32 84 23 00-0189	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,233.57	27.60
32 84 23 00-0190	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,914.17	27.60
32 84 23 00-0191	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,594.78	27.60
32 84 23 00-0192		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0187)*		
32 84 23 00-0193	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	162.17	27.60
32 84 23 00-0194	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	204.00	27.60
32 84 23 00-0195	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	298.78	27.60
32 84 23 00-0196	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	352.81	27.60
32 84 23 00-0197	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	562.55	27.60
32 84 23 00-0198		Accessories For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0187)*		
32 84 23 00-0199	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	943.60	
32 84 23 00-0200	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	680.60	
32 84 23 00-0201	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	124.03	24.15
32 84 23 00-0202	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	473.73	27.60
32 84 23 00-0203		Satellite Irrigation Controllers (Rain Bird® ESP-SAT) *(32 84 23 00-0098)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0204	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,815.34	155.26
32 84 23 00-0205	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	2,969.09	163.89
32 84 23 00-0206	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	4,102.66	172.50
32 84 23 00-0207		Irrigation Valves *(32 84 23)*		
32 84 23 00-0208		Reduced Pressure Zone Valves With QT Shut-Offs *(32 84 23 00-0207)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0209	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	526.96	29.05
32 84 23 00-0210	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	625.24	35.47
32 84 23 00-0211	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	944.89	41.29
32 84 23 00-0212	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	999.00	47.40
32 84 23 00-0213	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,198.68	61.16
32 84 23 00-0214		Brass Quick-Coupling Irrigation Valves *(32 84 23 00-0207)*		
32 84 23 00-0215	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	101.09	25.35
		For Valve Key, Add	*25.69*	
32 84 23 00-0216	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	104.06	25.35
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*25.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0217	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	136.74	25.35
		For Valve Key, Add	*65.71*	
32 84 23 00-0218	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	148.62	25.35
		For Valve Key, Add	*65.71*	
32 84 23 00-0219		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0207)*		
		Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0220	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	191.14	21.40
32 84 23 00-0221	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	274.29	24.47
32 84 23 00-0222	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	498.65	28.28
32 84 23 00-0223	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	607.46	31.34
32 84 23 00-0224	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	612.29	38.22
32 84 23 00-0225		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0226	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.17	0.88
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0227	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.63	1.06
		For >1,000, Deduct	*-0.13*	
32 84 23 00-0228	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.76	1.34
		For >1,000, Deduct	*-0.19*	
32 84 23 00-0229	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.90	1.67
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0230	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	6.36	1.96
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0231		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0232	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	38.50	14.02
32 84 23 00-0233	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	43.75	15.65
32 84 23 00-0234	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	57.73	15.65
32 84 23 00-0235		**Irrigation Control Wire** *(32 84 23)*		
		Note: Excludes excavation and backfill.		
32 84 23 00-0236		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0235)*		
32 84 23 00-0237	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	32.90	10.56
32 84 23 00-0238	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	42.95	12.32
32 84 23 00-0239	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	49.42	14.09
32 84 23 00-0240	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	56.53	15.85
32 84 23 00-0241	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	64.30	17.61
32 84 23 00-0242	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	76.66	19.37
32 84 23 00-0243	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	88.50	21.13
32 84 23 00-0244	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	96.16	22.90
32 84 23 00-0245	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	105.53	24.65
32 84 23 00-0246	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	116.25	26.41
32 84 23 00-0247	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	120.42	28.18
32 84 23 00-0248	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	125.24	29.94
32 84 23 00-0249	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	132.16	31.69
32 84 23 00-0250		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0235)*		
32 84 23 00-0251	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	34.63	10.56
32 84 23 00-0252		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0235)*		
32 84 23 00-0253	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	34.64	10.56
32 84 23 00-0254		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0235)*		
32 84 23 00-0255	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	46.13	10.56
32 84 23 00-0256		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0235)*		
32 84 23 00-0257	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	60.70	10.56
32 84 23 00-0258		**Root Watering Systems** *(32 84 23)*		
		Note: Includes swing assembly.		
32 84 23 00-0259	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	61.53	14.09
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0260	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	66.16	14.09
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0261	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	61.53	14.09
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0262	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	66.16	14.09
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0263	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	66.16	14.09
		For Root Watering Sand Sock, Add	*0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0264	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	53.42	12.32
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0265	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	57.85	12.32
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0266	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	53.42	12.32
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0267	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	57.85	12.32
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0268	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	36.43	10.56
		For Root Watering Sand Sock, Add	*0.83*	
32 84 23 00-0269	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	40.66	10.56
		For Root Watering Sand Sock, Add	*0.83*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	84.81
		For >5 To 20, Deduct	*-6.92*
		For >20 To 50, Deduct	*-10.39*
		For >50, Deduct	*-14.63*
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	209.17
		For >5 To 20, Deduct	*-13.14*
		For >20 To 50, Deduct	*-19.71*
		For >50, Deduct	*-30.17*
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	77.64
		For >5 To 20, Deduct	*-6.57*
		For >20 To 50, Deduct	*-9.85*
		For >50, Deduct	*-13.73*
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	82.50
		For >5 To 20, Deduct	*-6.81*
		For >20 To 50, Deduct	*-10.21*
		For >50, Deduct	*-14.34*
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	81.34
		For >5 To 20, Deduct	*-6.75*
		For >20 To 50, Deduct	*-10.13*
		For >50, Deduct	*-14.19*
32 91 13 16-0007	CY	Pine Wood Chip Mulch	79.03
		For >5 To 20, Deduct	*-6.63*
		For >20 To 50, Deduct	*-9.95*
		For >50, Deduct	*-13.90*
32 91 13 16-0008	CY	Hardwood Chip Mulch	83.65
		For >5 To 20, Deduct	*-6.87*
		For >20 To 50, Deduct	*-10.30*
		For >50, Deduct	*-14.48*
32 91 13 16-0009	CY	Shredded Hardwood Mulch	83.65
		For >5 To 20, Deduct	*-6.87*
		For >20 To 50, Deduct	*-10.30*
		For >50, Deduct	*-14.48*
32 91 13 16-0010	CY	Shredded Pine Mulch	73.27
		For >5 To 20, Deduct	*-6.35*
		For >20 To 50, Deduct	*-9.52*
		For >50, Deduct	*-13.18*
32 91 13 16-0011	CY	Shredded Cedar Mulch	95.76
		For >5 To 20, Deduct	*-7.47*
		For >20 To 50, Deduct	*-11.21*
		For >50, Deduct	*-15.99*
32 91 13 16-0012	CY	Shredded Cypress Mulch	94.03
		For >5 To 20, Deduct	*-7.38*
		For >20 To 50, Deduct	*-11.08*
		For >50, Deduct	*-15.78*
32 91 13 16-0013	CY	Shredded Redwood Mulch	98.64
		For >5 To 20, Deduct	*-7.62*
		For >20 To 50, Deduct	*-11.42*
		For >50, Deduct	*-16.35*
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	149.36
		For >5 To 20, Deduct	*-10.90*
		For >20 To 50, Deduct	*-16.35*
		For >50, Deduct	*-23.82*
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	228.94
		For >5 To 20, Deduct	*-14.88*
		For >20 To 50, Deduct	*-22.32*
		For >50, Deduct	*-33.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	230.10	
		For >5 To 20, Deduct	*-14.94*	
		For >20 To 50, Deduct	*-22.40*	
		For >50, Deduct	*-33.91*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	389.27	
		For >5 To 20, Deduct	*-22.89*	
		For >20 To 50, Deduct	*-34.34*	
		For >50, Deduct	*-53.81*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale	7.08	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.86*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale	7.03	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.82*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.84	
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.97	
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.13	
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	3.99	
32 91 13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	4.58	
32 91 13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.39	

32 91 13 26-0008 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	69.01	
32 91 13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	138.01	
32 91 13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	10.15	
32 91 13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	13.21	
32 91 13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	61.32	
32 91 13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	89.94	
32 91 13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.67	
32 91 13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	48.63	

32 91 13 26-0017 Weed Barrier *(32 91 13 26)*

32 91 13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.51	
32 91 13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	2.00	
32 91 13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.21	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader	0.34	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 LB/MSF Tractor Spreader	32.23	
32 91 13 33-0004	MSF	Fertilizer, 20 LB/MSF, Push Spreader	5.71	
32 91 13 33-0005	MSF	Fertilizer, 20 LB/MSF, Tractor Spread	2.30	
32 91 13 33-0006	MSF	Fertilizer, 20 LB/MSF, Truck Spread	3.84	
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader	0.08	
32 91 13 33-0008	MSF	Pelitized Lime, 110 LB/MSF, Tractor Spreader	6.03	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	2.94	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	305.62	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	2.73	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	298.54	

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	64.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0003	MSF	Rake Topsoil By Hand	55.20	
32 91 13 36-0004	MSF	Screen Loam By Hand	36.80	
32 91 13 36-0005	SY	Roll Topsoil With Machine	0.81	
32 91 13 36-0006	SY	Roll Topsoil By Hand	2.47	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	7.59	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	23.89	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	39.74	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	66.24	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	3.52	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	7.12	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.58	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.71	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	0.88	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	0.98	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	4.65	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.48	
32 91 13 36-0020	SY	Pile Sod By Hand	2.76	
32 91 13 36-0021	SY	Pile Sod With Machine	0.88	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement And Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	3.50	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	3.47	

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.83	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	5.22	

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	6.01	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	52.67	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	2.82	
		For Unscreened, Deduct	*-0.37*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	5.41	
		For Unscreened, Deduct	*-0.74*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	7.83	
		For Unscreened, Deduct	*-1.10*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	11.31	
		For Unscreened, Deduct	*-1.66*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	14.78	
		For Unscreened, Deduct	*-2.21*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	40.73	
		For Unscreened, Deduct	*-6.62*	

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	47.49	
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	33.24	
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	19.46	

32 92 Turf And Grasses *(32 90)*

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	41.54	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	23.64	
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	24.05	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	26.14	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	27.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	25.64	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	23.15	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	18.45	
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	55.57	
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	33.62	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	18.40	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	20.40	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	82.63	
		For >45, Deduct	*-6.11*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	89.20	
		For >45, Deduct	*-6.44*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	82.91	
		For >45, Deduct	*-6.12*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	82.63	
		For >45, Deduct	*-6.11*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	89.20	
		For >45, Deduct	*-6.44*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	86.38	
		For >45, Deduct	*-6.29*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	84.11	
		For >45, Deduct	*-6.18*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 LB/MSF spread rate.	76.81	
		For >45, Deduct	*-5.82*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	142.65	
		For >45, Deduct	*-9.11*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	122.04	
		For >45, Deduct	*-8.08*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	67.91	
		For >45, Deduct	*-5.37*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	78.88	
		For >45, Deduct	*-5.92*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 LB/MSF spread rate.	84.51	
		For >45, Deduct	*-6.20*	
		For Tackifier, Add	*0.82*	
32 92 19 13-0028	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	77.06	
		For >45, Deduct	*-4.84*	
32 92 19 13-0029	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	89.50	
		For >45, Deduct	*-5.51*	
32 92 19 13-0030	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	102.02	
		For >45, Deduct	*-6.19*	
32 92 19 13-0031	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	114.54	
		For >45, Deduct	*-6.87*	
32 92 19 13-0032	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	127.15	
		For >45, Deduct	*-7.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 19 19 Seeding By Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	94.88	
		For >5 To 20, Deduct	*-6.47*	
		For >20 To 45, Deduct	*-12.29*	
		For >45, Deduct	*-19.84*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 LB/MSF spread rate.	76.98	
		For >5 To 20, Deduct	*-5.57*	
		For >20 To 45, Deduct	*-10.95*	
		For >45, Deduct	*-18.05*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	77.39	
		For >5 To 20, Deduct	*-5.59*	
		For >20 To 45, Deduct	*-10.98*	
		For >45, Deduct	*-18.09*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	79.48	
		For >5 To 20, Deduct	*-5.70*	
		For >20 To 45, Deduct	*-11.14*	
		For >45, Deduct	*-18.30*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	80.97	
		For >5 To 20, Deduct	*-5.77*	
		For >20 To 45, Deduct	*-11.25*	
		For >45, Deduct	*-18.45*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	78.98	
		For >5 To 20, Deduct	*-5.67*	
		For >20 To 45, Deduct	*-11.10*	
		For >45, Deduct	*-18.25*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	76.49	
		For >5 To 20, Deduct	*-5.55*	
		For >20 To 45, Deduct	*-10.91*	
		For >45, Deduct	*-18.00*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	71.79	
		For >5 To 20, Deduct	*-5.31*	
		For >20 To 45, Deduct	*-10.56*	
		For >45, Deduct	*-17.53*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	108.91	
		For >5 To 20, Deduct	*-7.17*	
		For >20 To 45, Deduct	*-13.34*	
		For >45, Deduct	*-21.24*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	86.96	
		For >5 To 20, Deduct	*-6.07*	
		For >20 To 45, Deduct	*-11.70*	
		For >45, Deduct	*-19.05*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	71.74	
		For >5 To 20, Deduct	*-5.31*	
		For >20 To 45, Deduct	*-10.56*	
		For >45, Deduct	*-17.52*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	73.74	
		For >5 To 20, Deduct	*-5.41*	
		For >20 To 45, Deduct	*-10.71*	
		For >45, Deduct	*-17.72*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	96.66	
		For >5 To 20, Deduct	*-6.56*	
		For >20 To 45, Deduct	*-12.42*	
		For >45, Deduct	*-20.02*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	91.50	
		For >5 To 20, Deduct	*-6.30*	
		For >20 To 45, Deduct	*-12.04*	
		For >45, Deduct	*-19.50*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	87.75	
		For >5 To 20, Deduct	*-6.11*	
		For >20 To 45, Deduct	*-11.76*	
		For >45, Deduct	*-19.13*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	95.26	
		For >5 To 20, Deduct	*-6.49*	
		For >20 To 45, Deduct	*-12.32*	
		For >45, Deduct	*-19.88*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	89.63	
		For >5 To 20, Deduct	*-6.21*	
		For >20 To 45, Deduct	*-11.90*	
		For >45, Deduct	*-19.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	80.97	
		For >5 To 20, Deduct	*-5.77*	
		For >20 To 45, Deduct	*-11.25*	
		For >45, Deduct	*-18.45*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	1,427.43	
		For Hybrid Fescue "Marathon", Add	*88.91*	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,173.29	
		For Hybrid Fescue "Marathon", Add	*66.86*	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	990.94	
		For Hybrid Fescue "Marathon", Add	*55.83*	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	851.86	
		For Hybrid Fescue "Marathon", Add	*44.81*	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,696.61	
		For Hybrid Fescue "Marathon", Add	*88.91*	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,402.71	
		For Hybrid Fescue "Marathon", Add	*66.86*	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,149.21	
		For Hybrid Fescue "Marathon", Add	*55.83*	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	986.45	
		For Hybrid Fescue "Marathon", Add	*44.81*	

32 92 23 00-0010 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,826.47
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,472.57
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,240.35
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,051.38
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,095.65
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,701.99
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,398.62
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,185.97

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	18.65
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	34.48
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	62.67
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	114.07
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	14.28
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	18.99
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	20.32
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	14.24
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	18.99
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	45.94
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	18.03
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	23.36
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	44.67
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	16.73
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	26.31
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	45.02
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	15.58
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	39.62
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	52.24
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	49.31
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	55.40
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	91.39
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	26.78
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	40.08
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	20.44
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	28.48

32 93 13 00-0028 Ground Covers *(32 93 13)*

32 93 13 00-0029	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	3.58
32 93 13 00-0030	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	6.21
32 93 13 00-0031	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	12.66
32 93 13 00-0032	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	16.48
32 93 13 00-0033	EA	1 Gallon Acrostichum danaeifolium - Leather Fern	12.53
32 93 13 00-0034	EA	5 Gallon Acrostichum danaeifolium - Leather Fern	21.47
32 93 13 00-0035	EA	10 Gallon Acrostichum danaeifolium - Leather Fern	107.37
32 93 13 00-0036	EA	6" Aechmea - Bromeliad	26.84
32 93 13 00-0037	EA	8" Aechmea - Bromeliad	44.74
32 93 13 00-0038	EA	10" Aechmea - Bromeliad	89.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0039	EA	10" Full Aglaonema	28.63	
32 93 13 00-0040	EA	Cell Pack Size Apapanthus africanus - Lily Of The Nile	1.25	
32 93 13 00-0041	EA	1 Gallon Apapanthus africanus - Lily Of The Nile	7.16	
32 93 13 00-0042	EA	3 Gallon Agapanthus africanus - Lily Of The Nile	21.47	
32 93 13 00-0043	EA	1 Gallon Aptenia cordifolia - Baby Sun Rose	5.37	
32 93 13 00-0044	EA	4" Arachis glabrata - Ecoturf	5.37	
32 93 13 00-0045	EA	1 Gallon Arachis glabrata - Ecoturf	8.95	
32 93 13 00-0046	EA	1 Gallon Aristida stricta - Wiregrass	5.37	
32 93 13 00-0047	EA	2" Aristida stricta - Wiregrass	4.12	
32 93 13 00-0048	EA	Cell Pack Size Asparagus densiflorus 'Myers' - Foxtail	1.79	
32 93 13 00-0049	EA	10" Asparagus densiflorus 'Myers' - Foxtail	26.84	
32 93 13 00-0050	EA	1 Gallon Asparagus densiflorus 'Myers' - Foxtail	8.95	
32 93 13 00-0051	EA	2 Gallon Asparagus densiflorus 'Myers' - Foxtail	10.74	
32 93 13 00-0052	EA	3 Gallon Asparagus densiflorus 'Myers' - Foxtail	14.32	
32 93 13 00-0053	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.95	
32 93 13 00-0054	EA	3 Gallon Aspidistra elatior - Cast Iron Plant	30.42	
32 93 13 00-0055	EA	7 Gallon Aspidistra elatior - Cast Iron Plant	42.95	
32 93 13 00-0056	EA	3 Gallon Baccharis halimicolia - Salt Bush	21.47	
32 93 13 00-0057	EA	4" Begonia	1.25	
32 93 13 00-0058	EA	1 Gallon Begonia	10.74	
32 93 13 00-0059	EA	3 Gallon Begonia	26.84	
32 93 13 00-0060	EA	1 Gallon Borrichia arborescens - Sea Oxeye Daisy	7.16	
32 93 13 00-0061	EA	1 Gallon Borrichia frutescens - Silver Sea Oxeye	7.16	
32 93 13 00-0062	EA	3 Gallon Borrichia frutescens - Silver Sea Oxeye	18.79	
32 93 13 00-0063	EA	6" Bromeliad	23.26	
32 93 13 00-0064	EA	3 Gallon Bromeliad	35.79	
32 93 13 00-0065	EA	4-1/2" Centaurea cineraia - Dusty Miller	2.51	
32 93 13 00-0066	EA	1 Gallon Centaurea cineraia - Dusty Miller	4.47	
32 93 13 00-0067	EA	4" Coleus hybridus - Coleus	1.25	
32 93 13 00-0068	EA	3 Gallon Coleus hybridus - Coleus	16.11	
32 93 13 00-0069	EA	8" Top Cuphea hyssopifolia - False/Mexican Heather	23.26	
32 93 13 00-0070	EA	1 Gallon Cuphea hyssopifolia - False/Mexican Heather	3.58	
32 93 13 00-0071	EA	3 Gallon Cyathea cooperi - Australian Tree Fern	25.05	
32 93 13 00-0072	EA	7 Gallon Cyathea cooperi - Australian Tree Fern	89.47	
32 93 13 00-0073	EA	15 Gallon Cyathea cooperi - Australian Tree Fern	214.74	
32 93 13 00-0074	EA	25 Gallon Cyathea cooperi - Australian Tree Fern	447.37	
32 93 13 00-0075	EA	3 Gallon Cyperus alternifolius - Umbrella Sedge	26.84	
32 93 13 00-0076	EA	1 Gallon Cyrtomium falcatum - Holly Fern	8.05	
32 93 13 00-0077	EA	3 Gallon Cyrtomium falcatum - Holly Fern	19.68	
32 93 13 00-0078	EA	1 Gallon Dietes bicolor - Yellow/White African Iris	5.73	
32 93 13 00-0079	EA	3 Gallon Dietes bicolor - Yellow/White African Iris	21.47	
32 93 13 00-0080	EA	4" Dietes iridioides - White African Iris	3.40	
32 93 13 00-0081	EA	6" Dietes iridioides - White African Iris	6.98	
32 93 13 00-0082	EA	1 Gallon Dietes iridioides - White African Iris	5.73	
32 93 13 00-0083	EA	3 Gallon Dietes iridioides - White African Iris	21.47	
32 93 13 00-0084	EA	1 Gallon Dietes vegeta - White African Iris	7.16	
32 93 13 00-0085	EA	Bare Root Eleocharis baldwinii - Slender Spikerush	1.25	
32 93 13 00-0086	EA	Bare Root Eleocharis cellulos - Coastal Spikerush	0.89	
32 93 13 00-0087	EA	Bare Root Eleocharis intersti - Jointed Spikerush	0.89	
32 93 13 00-0088	EA	Bare Root Eleocharis spp - Spikerush	0.89	
32 93 13 00-0089	EA	4" Epipremnum - Golden Pothos	5.37	
32 93 13 00-0090	EA	8" Epipremnum - Golden Pothos	8.95	
32 93 13 00-0091	EA	1 Gallon Epipremnum - Golden Pothos	8.95	
32 93 13 00-0092	EA	1 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn	8.95	
32 93 13 00-0093	EA	3 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn	16.11	
32 93 13 00-0094	EA	4-1/2" Evolvulus glomeratus - Blue Daze	3.58	
32 93 13 00-0095	EA	6" Evolvulus glomeratus - Blue Daze	16.11	
32 93 13 00-0096	EA	10" Ficus pumila - Creeping Fig	17.89	
32 93 13 00-0097	EA	1 Gallon Ficus pumila - Creeping Fig	6.26	
32 93 13 00-0098	EA	3 Gallon Ficus pumila - Creeping Fig	26.84	
32 93 13 00-0099	EA	4" Gaillardia pulchella - Blanket Flower	4.12	
32 93 13 00-0100	EA	1 Gallon Gaillardia pulchella - Blanket Flower	6.26	
32 93 13 00-0101	EA	4-1/2" Geranium - Black Olive East	4.47	
32 93 13 00-0102	EA	6" Geranium - Black Olive East	6.62	
32 93 13 00-0103	EA	4" Halianthus debilis - Dune Sunflower	3.40	
32 93 13 00-0104	EA	6" Halianthus debilis - Dune Sunflower	6.26	
32 93 13 00-0105	EA	1 Gallon Halianthus debilis - Dune Sunflower	7.16	
32 93 13 00-0106	EA	1 Gallon Helianthus debilis - Beach Sunflower	7.16	
32 93 13 00-0107	EA	4" Helianthus debilis - Beach Sunflower	4.29	
32 93 13 00-0108	EA	6" Helianthus debilis - Beach Sunflower	6.26	
32 93 13 00-0109	EA	1 Gallon Hemerocallis spp - Day Lily	8.05	
32 93 13 00-0110	EA	1 Gallon Hymenocallis latifolia - Spider Lily	7.16	
32 93 13 00-0111	EA	3 Gallon Hymenocallis latifolia - Spider Lily	14.32	
32 93 13 00-0112	EA	1 Gallon Hypericum reductium - Scrub Wort	10.20	
32 93 13 00-0113	EA	4" Ipomoea pes-caprae - Railroad Vine	4.12	
32 93 13 00-0114	EA	6" Ipomoea pes-caprae - Railroad Vine	5.37	
32 93 13 00-0115	EA	1 Gallon Iris hexagona savannarum - Blue Flag Iris	6.98	
32 93 13 00-0116	EA	Bare Root Iris virginica - Blue Flag Iris	0.89	
32 93 13 00-0117	EA	1 Gallon Iris virginica - Blue Flag Iris	8.95	
32 93 13 00-0118	EA	4" Juniperus chinensis 'Parsonii'	3.58	
32 93 13 00-0119	EA	1 Gallon Juniperus chinensis 'Parsonii'	6.80	
32 93 13 00-0120	EA	3 Gallon Juniperus chinensis 'Parsonii'	14.32	
32 93 13 00-0121	EA	1 Gallon Juniperus conferta - Shore Juniper	7.16	
32 93 13 00-0122	EA	3 Gallon Juniperus conferta - Shore Juniper	13.42	
32 93 13 00-0123	EA	1 Gallon Juniperus conferta - Blue Pacific	6.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0124	EA	2 Gallon Juniperus conferta - Blue Pacific	12.53	
32 93 13 00-0125	EA	3 Gallon Juniperus conferta - Blue Pacific	14.32	
32 93 13 00-0126	EA	1 Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper	6.44	
32 93 13 00-0127	EA	4" Juniperus procumbens 'Nana'	4.83	
32 93 13 00-0128	EA	1 Gallon Juniperus procumbens 'Nana'	6.98	
32 93 13 00-0129	EA	2 Gallon Juniperus procumbens 'Nana'	12.53	
32 93 13 00-0130	EA	3 Gallon Juniperus procumbens 'Nana'	14.32	
32 93 13 00-0131	EA	4" Liriope	4.12	
32 93 13 00-0132	EA	1 Gallon Liriope	5.37	
32 93 13 00-0133	EA	3 Gallon Liriope	12.53	
32 93 13 00-0134	EA	4" Liriope muscari - Big Blue Lilyturf	3.94	
32 93 13 00-0135	EA	1 Gallon Liriope muscari - Big Blue Lilyturf	5.19	
32 93 13 00-0136	EA	1 Gallon Liriope muscari - Lilyturf	5.55	
32 93 13 00-0137	EA	1 Gallon Liriope 'Evergreen Giant'	6.26	
32 93 13 00-0138	EA	2 Gallon Liriope 'Evergreen Giant'	9.84	
32 93 13 00-0139	EA	3 Gallon Liriope 'Evergreen Giant'	17.89	
32 93 13 00-0140	EA	1 Gallon Liriope 'Variegata'	4.47	
32 93 13 00-0141	EA	3 Gallon Liriope 'Variegata'	14.32	
32 93 13 00-0142	EA	1 Gallon Microsorum scolopendrum - Wart Fern	4.52	
32 93 13 00-0143	EA	1 Gallon Mimosa strigillosa	7.16	
32 93 13 00-0144	EA	1 Gallon Muehlenbeckia axillaris - Wire Vine	10.02	
32 93 13 00-0145	EA	1 Gallon Nephrolepis - Swordfern/Boston Fern	5.37	
32 93 13 00-0146	EA	3 Gallon Nephrolepis - Swordfern/Boston Fern	14.32	
32 93 13 00-0147	EA	1 Gallon Nephrolepis cordifolia - Erect Swordfern	5.37	
32 93 13 00-0148	EA	3 Gallon Nephrolepis cordifolia - Erect Swordfern	17.89	
32 93 13 00-0149	EA	7 Gallon Nephrolepis cordifolia - Erect Swordfern	42.95	
32 93 13 00-0150	EA	1 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	6.57	
32 93 13 00-0151	EA	3 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	13.06	
32 93 13 00-0152	EA	1 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	6.26	
32 93 13 00-0153	EA	3 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	12.53	
32 93 13 00-0154	EA	4" Ophiopogon intermedius - Aztec Grass	3.40	
32 93 13 00-0155	EA	1 Gallon Ophiopogon intermedius - Aztec Grass	5.37	
32 93 13 00-0156	EA	1 Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass	5.37	
32 93 13 00-0157	EA	4-1/2" Pentas lanceolata - Egyptian Star Cluster	2.33	
32 93 13 00-0158	EA	1 Gallon Pentas lanceolata - Egyptian Star Cluster	5.37	
32 93 13 00-0159	EA	3 Gallon Pentas lanceolata - Egyptian Star Cluster	17.89	
32 93 13 00-0160	EA	1 Gallon Persicaria capitatum - Jump Seed	9.31	
32 93 13 00-0161	EA	4-1/2" Polyodium scolopenrium - Wart Fern	7.16	
32 93 13 00-0162	EA	6" Polyodium scolopenrium - Wart Fern	8.95	
32 93 13 00-0163	EA	1 Gallon Polyodium scolopenrium - Wart Fern	8.95	
32 93 13 00-0164	EA	3 Gallon Polyodium scolopenrium - Wart Fern	21.47	
32 93 13 00-0165	EA	Bare Root Pontederia cordata - Pickerel Weed	0.82	
32 93 13 00-0166	EA	6" Rhoeo spathacea discolor - Dwarf Oyster Plant	6.26	
32 93 13 00-0167	EA	1 Gallon Rhoeo spathacea discolor - Dwarf Oyster Plant	5.37	
32 93 13 00-0168	EA	1 Gallon Rubus calycinoides - Emerald Carpet	10.56	
32 93 13 00-0169	EA	1 Gallon Rumohra adiantiform - Leatherhead Fern	7.16	
32 93 13 00-0170	EA	Bare Root Sagittaria latifolia - Duck Potato	1.25	
32 93 13 00-0171	EA	1 Gallon Sesuvium portulacastrum - Sea Purslane	5.73	
32 93 13 00-0172	EA	4" Setcresea pallida - Purple Queen	1.61	
32 93 13 00-0173	EA	6" Setcresea pallida - Purple Queen	3.58	
32 93 13 00-0174	EA	1 Gallon Setcresea pallida - Purple Queen	4.47	
32 93 13 00-0175	EA	1 Gallon Stachytarpheta - Porter Weed	5.37	
32 93 13 00-0176	EA	3 Gallon Stachytarpheta - Porter Weed	11.63	
32 93 13 00-0177	EA	Bare Root Thalia geniculata - Alligator Flag	1.25	
32 93 13 00-0178	EA	1 Gallon Trachelospermum asiaticum - Small Leaf Asian Jasmine	6.26	
32 93 13 00-0179	EA	5" Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	4.12	
32 93 13 00-0180	EA	1 Gallon Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	6.98	
32 93 13 00-0181	EA	3 Gallon Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	26.84	
32 93 13 00-0182	EA	1 Gallon Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine	8.95	
32 93 13 00-0183	EA	4" Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	4.12	
32 93 13 00-0184	EA	1 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	5.37	
32 93 13 00-0185	EA	3 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	26.84	
32 93 13 00-0186	EA	1 Gallon Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine	6.26	
32 93 13 00-0187	EA	1 Gallon Wedelia trilobata - Wedelia	3.54	
32 93 13 00-0188	EA	4" Wedelia trilobata - Wedelia	2.68	
32 93 13 00-0189	EA	Viola floridana - Wild Violet	9.13	
32 93 13 00-0190	EA	4" Viola hederacea - Australian Violet	5.30	
32 93 13 00-0191	EA	1 Gallon Viola hederacea - Australian Violet	9.31	
32 93 13 00-0192	EA	6" Full Ajuga reptans - Carpet Bugleweed	8.05	
32 93 13 00-0193	EA	1 Gallon Ajuga reptans - Carpet Bugleweed	7.16	
32 93 13 00-0194	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	20.86	
32 93 13 00-0195	EA	1 Quart Waldsteinia ternata - Barren Strawberry	3.58	
32 93 13 00-0196	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	8.60	
32 93 13 00-0197	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	11.70	
32 93 13 00-0198	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	22.21	
32 93 13 00-0199	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	39.16	
32 93 13 00-0200	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	4.01	
32 93 13 00-0201	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	7.40	
32 93 13 00-0202	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	26.03	
32 93 13 00-0203	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	9.72	
32 93 13 00-0204	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	4.78	
32 93 13 00-0205	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	10.89	
32 93 13 00-0206	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	29.80	
32 93 13 00-0207	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	12.52	
32 93 13 00-0208	EA	1 Quart Iberis sempervirens - Candytuft	3.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0209	EA	1 Gallon Iberis sempervirens - Candytuft	8.60	
32 93 13 00-0210	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	10.32	
32 93 13 00-0211	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	37.25	
32 93 13 00-0212	EA	3" Pot Ajuga reptans - Carpet Bugle	2.15	
32 93 13 00-0213	EA	1 Quart Ajuga reptans - Carpet Bugle	3.58	
32 93 13 00-0214	EA	1 Gallon Ajuga reptans - Carpet Bugle	8.60	
32 93 13 00-0215	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	37.01	
32 93 13 00-0216	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	8.60	
32 93 13 00-0217	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	37.25	
32 93 13 00-0218	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	11.22	
32 93 13 00-0219	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	24.84	
32 93 13 00-0220	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	37.25	
32 93 13 00-0221	EA	1 Gallon Ranunculaceae - Clematis Varieties	12.34	
32 93 13 00-0222	EA	2 Gallon Ranunculaceae - Clematis Varieties	22.82	
32 93 13 00-0223	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	15.52	
32 93 13 00-0224	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	29.13	
32 93 13 00-0225	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	47.76	
32 93 13 00-0226	EA	4" Pot Lantana camera - Common Lantana	2.15	
32 93 13 00-0227	EA	1 Gallon Lantana camera - Common Lantana	6.21	
32 93 13 00-0228	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	7.40	
32 93 13 00-0229	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	24.36	
32 93 13 00-0230	EA	2 Quart Lysimachia nummularia - Creeping Jenny	3.58	
32 93 13 00-0231	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	6.93	
32 93 13 00-0232	EA	2 Quart Liriope spicata - Creeping Lilytuft	6.21	
32 93 13 00-0233	EA	1 Gallon Liriope spicata - Creeping Lilytuft	11.22	
32 93 13 00-0234	EA	5 Gallon Liriope spicata - Creeping Lilytuft	23.64	
32 93 13 00-0235	EA	Bare Root Liriope spicata - Creeping Liriope	1.57	
32 93 13 00-0236	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	2.15	
32 93 13 00-0237	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	8.60	
32 93 13 00-0238	EA	2-1/4" Pot Securigera varia - Crown Vetch	1.43	
32 93 13 00-0239	EA	50 Plant Flat Securigera varia - Crown Vetch	48.48	
32 93 13 00-0240	EA	1 Quart Senecio cineraria - Dusty Miller	3.58	
32 93 13 00-0241	EA	1 Gallon Senecio cineraria - Dusty Miller	8.60	
32 93 13 00-0242	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	29.85	
32 93 13 00-0243	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	54.69	
32 93 13 00-0244	EA	1 Gallon Ilex cornuta - Dwarf Holly	6.49	
32 93 13 00-0245	EA	3 Gallon Ilex cornuta - Dwarf Holly	13.90	
32 93 13 00-0246	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	13.90	
32 93 13 00-0247	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	4.63	
32 93 13 00-0248	EA	2" To 3" Pot Hedera helix - English Ivy	2.15	
32 93 13 00-0249	EA	12" To 15" Runners Hedera helix - English Ivy	3.58	
32 93 13 00-0250	EA	1 Gallon Hedera helix - English Ivy	8.60	
32 93 13 00-0251	EA	50 Plant Flat Hedera helix - English Ivy	49.67	
32 93 13 00-0252	EA	4" Pot Lavandula angustifolia - English Lavender	3.10	
32 93 13 00-0253	EA	1 Quart Lavandula angustifolia - English Lavender	5.97	
32 93 13 00-0254	EA	1 Gallon Lavandula angustifolia - English Lavender	9.79	
32 93 13 00-0255	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	9.31	
32 93 13 00-0256	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	18.63	
32 93 13 00-0257	EA	1 Quart Arundo donax - Giant Reed	11.46	
32 93 13 00-0258	EA	1 Gallon Arundo donax - Giant Reed	16.48	
32 93 13 00-0259	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	9.79	
32 93 13 00-0260	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	18.63	
32 93 13 00-0261	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	12.66	
32 93 13 00-0262	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	19.11	
32 93 13 00-0263	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	2.15	
32 93 13 00-0264	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	9.79	
32 93 13 00-0265	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	18.63	
32 93 13 00-0266	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	8.60	
32 93 13 00-0267	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	28.66	
32 93 13 00-0268	EA	3 Gallon Hibiscus, Assorted Colors	11.20	
32 93 13 00-0269	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	8.96	
32 93 13 00-0270	EA	1 Gallon Jasminum volubile - Wax Jasmine	4.51	
32 93 13 00-0271	EA	1 Gallon Jasminum volubile - Wax Jasmine	11.20	
32 93 13 00-0272	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	5.63	
32 93 13 00-0273	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	12.52	
32 93 13 00-0274	EA	1 Gallon Cissus antarctica - Kangaroo Vine	6.93	
32 93 13 00-0275	EA	5 Gallon Cissus antarctica - Kangaroo Vine	21.73	
32 93 13 00-0276	EA	1 Quart Stachys byzantina - Lamb's Ear	3.58	
32 93 13 00-0277	EA	1 Quart Stachys byzantina - Lamb's Ear	8.60	
32 93 13 00-0278	EA	1 Gallon Lantana spp. Various Colors	5.07	
32 93 13 00-0279	EA	1 Gallon Lantana sellowiana - Trailing Lantana	3.34	
32 93 13 00-0280	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	6.93	
32 93 13 00-0281	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	24.84	
32 93 13 00-0282	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	5.07	
32 93 13 00-0283	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.40	
32 93 13 00-0284	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	10.23	
32 93 13 00-0285	EA	1 Quart Moss Phlox, Creeping Phlox	3.58	
32 93 13 00-0286	EA	1 Gallon Moss Phlox, Creeping Phlox	8.60	
32 93 13 00-0287	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	4.51	
32 93 13 00-0288	EA	4" Pot Ophiopogon Japonicus - Mondo grass	2.15	
32 93 13 00-0289	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	8.60	
32 93 13 00-0290	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	19.82	
32 93 13 00-0291	EA	2' To 3' High Oregon Holly-Grape	9.92	
32 93 13 00-0292	EA	1 Gallon Pachysandra terminalis - Pachysandra	12.93	
32 93 13 00-0293	EA	2-1/4" Pot Vinca minor - Periwinkle	1.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0294	EA	4" Pot Vinca minor - Periwinkle	3.58	
32 93 13 00-0295	EA	Bare Root Vinca minor - Periwinkle	1.19	
32 93 13 00-0296	EA	1 Quart Nepeta mussinii - Persian Catmint	3.58	
32 93 13 00-0297	EA	1 Gallon Nepeta mussinii - Persian Catmint	7.40	
32 93 13 00-0298	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	5.97	
32 93 13 00-0299	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	21.73	
32 93 13 00-0300	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	9.79	
32 93 13 00-0301	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	21.01	
32 93 13 00-0302	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	31.04	
32 93 13 00-0303	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	8.53	
32 93 13 00-0304	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	22.10	
32 93 13 00-0305	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	37.02	
32 93 13 00-0306	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	4.51	
32 93 13 00-0307	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	5.02	
32 93 13 00-0308	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	8.96	
32 93 13 00-0309	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	13.97	
32 93 13 00-0310	EA	1 Gallon Hymenocallis latifolia - Spider Lily	5.56	
32 93 13 00-0311	EA	3 Gallon Hymenocallis latifolia - Spider Lily	14.83	
32 93 13 00-0312	EA	1 Quart Hypericum perforatum - St. John's Wort	3.58	
32 93 13 00-0313	EA	1 Gallon Hypericum perforatum - St. John's Wort	8.60	
32 93 13 00-0314	EA	5 Gallon Hypericum perforatum - St. John's Wort	22.21	
32 93 13 00-0315	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	30.22	
32 93 13 00-0316	EA	1 Gallon Campsis radicans - Trumpet Creeper	13.13	
32 93 13 00-0317	EA	2 Gallon Campsis radicans - Trumpet Creeper	19.82	
32 93 13 00-0318	EA	5 Gallon Campsis radicans - Trumpet Creeper	47.76	
32 93 13 00-0319	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	1.19	
32 93 13 00-0320	EA	4" Pot Vinca major - Variegated Greater Periwinkle	3.58	
32 93 13 00-0321	EA	Bare Root Vinca major - Variegated Greater Periwinkle	1.19	
32 93 13 00-0322	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	6.45	
32 93 13 00-0323	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	8.96	
32 93 13 00-0324	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	13.97	
32 93 13 00-0325	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	9.79	
32 93 13 00-0326	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	4.54	
32 93 13 00-0327	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	6.93	
32 93 13 00-0328	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	42.56	
32 93 13 00-0329	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	2.15	
32 93 13 00-0330	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	11.22	
32 93 13 00-0331	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	8.60	
32 93 13 00-0332	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	17.19	
32 93 13 00-0333	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	29.85	
32 93 13 00-0334	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	6.93	
32 93 13 00-0335	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	23.64	

32 93 23 Plants And Bulbs *(32 93)*

See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	6.93	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	9.79	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	16.24	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	3.58	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	8.96	
32 93 23 00-0007	EA	1 Quart Balloon Flower	3.58	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	8.96	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	3.58	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	8.96	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	11.58	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	3.58	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	8.96	
32 93 23 00-0014	EA	1 Quart Blank Flower	3.58	
32 93 23 00-0015	EA	1 Gallon Blank Flower	8.24	
32 93 23 00-0016	EA	2 Gallon Blank Flower	11.58	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	3.58	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	8.96	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	6.09	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	10.27	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	3.58	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	8.96	
32 93 23 00-0023	EA	1 Quart Blue Star	6.45	
32 93 23 00-0024	EA	1 Gallon Blue Star	10.27	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	3.58	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	8.96	
32 93 23 00-0027	EA	4" Pot Columbine	2.15	
32 93 23 00-0028	EA	1 Quart Columbine	3.58	
32 93 23 00-0029	EA	1 Gallon Columbine	8.96	
32 93 23 00-0030	EA	1 Quart Common Globeflower	3.58	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	8.96	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	3.58	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	8.96	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	12.90	
32 93 23 00-0035	EA	1 Quart Diploid	4.54	
32 93 23 00-0036	EA	1 Gallon Diploid	10.27	
32 93 23 00-0037	EA	3 Gallon Diploid	17.67	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	5.11	
32 93 23 00-0039	EA	1 Quart Evans Begonia	6.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0040	EA	1 Gallon Evans Begonia	11.58	
32 93 23 00-0041	EA	1 Quart False Dragonhead	3.58	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	8.96	
32 93 23 00-0043	EA	1 Quart False Spirea	3.58	
32 93 23 00-0044	EA	1 Gallon False Spirea	11.58	
32 93 23 00-0045	EA	3 Gallon False Spirea	16.00	
32 93 23 00-0046	EA	2 Quart False Sunflower	5.73	
32 93 23 00-0047	EA	1 Gallon False Sunflower	8.96	
32 93 23 00-0048	EA	2 Gallon False Sunflower	11.58	
32 93 23 00-0049	EA	1 Gallon Foxglove	8.24	
32 93 23 00-0050	EA	2 Gallon Foxglove	11.58	
32 93 23 00-0051	EA	3 Gallon Foxglove	16.72	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	14.50	
32 93 23 00-0053	EA	1 Quart Garden Phlox	3.58	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	8.96	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	7.64	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	15.40	
32 93 23 00-0057	EA	1 Quart Golden Star	3.58	
32 93 23 00-0058	EA	1 Gallon Golden Star	8.96	
32 93 23 00-0059	EA	1 Quart Goldenrod	3.58	
32 93 23 00-0060	EA	1 Gallon Goldenrod	8.96	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	16.68	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	2.15	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	3.58	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	8.96	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	3.11	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	5.14	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	8.24	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	12.78	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	20.42	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	26.87	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	2.15	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	6.45	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	11.58	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	1.27	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.91	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	8.23	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	5.14	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	10.27	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	42.56	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	7.05	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	13.38	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	13.56	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	2.15	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	3.58	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	8.96	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	3.58	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	8.96	
32 93 23 00-0088	EA	2 Quart Plantain Lily	6.93	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	9.79	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	16.24	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	30.69	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	6.45	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	8.96	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	11.58	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	3.58	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	8.96	
32 93 23 00-0097	EA	1 Quart Rose Mallow	7.05	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	12.78	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	21.85	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	13.65	
32 93 23 00-0101	EA	1 Quart Siberian Iris	6.09	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	11.58	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	16.00	
32 93 23 00-0104	EA	1 Quart Speedwell	3.58	
32 93 23 00-0105	EA	1 Gallon Speedwell	8.96	
32 93 23 00-0106	EA	1 Quart Tetraploid	8.96	
32 93 23 00-0107	EA	1 Gallon Tetraploid	16.72	
32 93 23 00-0108	EA	3 Gallon Tetraploid	22.81	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	3.58	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	8.96	
32 93 23 00-0111	EA	1 Quart Torch Lily	3.58	
32 93 23 00-0112	EA	1 Quart Bluebeard	6.45	
32 93 23 00-0113	EA	1 Gallon Bluebeard	9.55	
32 93 23 00-0114	EA	2 Gallon Bluebeard	13.97	

32 93 23 00-0115 Annuals *(32 93 23)*

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	1.66	
32 93 23 00-0117	EA	3" Pot Annual Flowers	2.25	
32 93 23 00-0118	EA	4" Pot Annual Flowers	4.81	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	6.39	
32 93 23 00-0120	EA	6" Pot Annual Flowers	12.65	
32 93 23 00-0121	EA	8" Pot Annual Flowers	21.09	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	27.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	31.32	

32 93 23 00-0124 Bulbs *(32 93 23)*

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	5.78	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.33	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	0.38	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	0.49	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	0.62	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.24	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.29	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	0.33	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	2.00	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	0.96	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	1.00	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	1.00	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	1.04	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	1.11	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	1.04	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	0.98	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	1.04	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	1.04	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	0.31	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	0.89	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	0.67	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	0.89	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	0.78	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	1.11	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	0.84	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	0.73	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	0.82	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	0.82	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	0.82	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	0.67	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	0.64	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	0.67	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	1.11	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	0.67	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	0.89	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	0.96	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	1.00	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	0.80	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	0.76	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	0.82	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	0.82	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	0.64	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	0.44	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	0.67	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	0.87	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	0.67	

32 93 33 Shrubs *(32 93)*

See CSI section 32 93 83 00-0033 for installation and planting of shurbs.

32 93 33 00-0001 Shrubs *(32 93 33)*

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	7.30	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	14.86	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	28.52	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.89	
32 93 33 00-0006	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.76	
32 93 33 00-0007	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.68	
32 93 33 00-0008	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.29	
32 93 33 00-0009	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.73	
32 93 33 00-0010	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye	48.87	
32 93 33 00-0011	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye	65.16	
32 93 33 00-0012	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye	81.45	
32 93 33 00-0013	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry	54.40	
32 93 33 00-0014	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry	64.00	
32 93 33 00-0015	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry	76.80	
32 93 33 00-0016	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry	89.60	
32 93 33 00-0017	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry	108.80	
32 93 33 00-0018	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry	52.80	
32 93 33 00-0019	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry	56.00	
32 93 33 00-0020	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	59.20	
32 93 33 00-0021	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	67.20	
32 93 33 00-0022	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	53.60	
32 93 33 00-0023	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	56.80	
32 93 33 00-0024	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	60.00	
32 93 33 00-0025	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	63.20	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	11.00	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	25.44	
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	12.89	
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	28.36	
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	38.33	
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	13.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	20.11	
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	57.41	
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	72.88	
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	102.10	
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	61.36	
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	78.55	
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	100.38	
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.50	
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.49	
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	39.70	
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	15.64	
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	44.17	
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	61.36	
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	94.71	
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	17.88	
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	47.95	
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	51.05	
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	65.66	
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	87.49	
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	131.32	
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	182.36	
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	51.05	
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	65.66	
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	87.49	
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	131.32	
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	33.60	
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	56.00	
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	147.20	
32 93 33 00-0060	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood	80.00	
32 93 33 00-0061	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood	108.80	
32 93 33 00-0062	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood	147.20	
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	52.80	
32 93 33 00-0064	EA	30" B&B Calycanthus floridus - Common Sweetshrub	48.00	
32 93 33 00-0065	EA	36" B&B Calycanthus floridus - Common Sweetshrub	64.00	
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia	12.89	
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia	27.50	
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia	45.72	
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia	68.08	
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia	176.64	
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia	12.89	
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia	27.50	
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia	45.72	
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea	52.80	
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet	52.80	
32 93 33 00-0076	EA	36" B&B Celastrus scandens - Bittersweet	44.80	
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	52.80	
32 93 33 00-0078	EA	24" B&B Cephalanthus occidentalis - Buttonbush	40.00	
32 93 33 00-0079	EA	30" B&B Cephalanthus occidentalis - Buttonbush	44.80	
32 93 33 00-0080	EA	36" B&B Cephalanthus occidentalis - Buttonbush	48.00	
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	46.06	
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	61.36	
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	94.71	
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	51.20	
32 93 33 00-0085	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	55.20	
32 93 33 00-0086	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	61.60	
32 93 33 00-0087	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	64.80	
32 93 33 00-0088	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	76.00	
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry	72.88	
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry	91.10	
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry	116.71	
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry	160.36	
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	48.00	
32 93 33 00-0094	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	33.60	
32 93 33 00-0095	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	38.40	
32 93 33 00-0096	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	48.00	
32 93 33 00-0097	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	57.60	
32 93 33 00-0098	EA	36" B&B Cornus amomum - Silky Dogwood	48.00	
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	52.80	
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood	52.80	
32 93 33 00-0101	EA	36" B&B Cornus racemosa - Gray Dogwood	48.00	
32 93 33 00-0102	EA	48" B&B Cornus racemosa - Gray Dogwood	56.00	
32 93 33 00-0103	EA	60" B&B Cornus racemosa - Gray Dogwood	60.80	
32 93 33 00-0104	EA	72" B&B Cornus racemosa - Gray Dogwood	73.60	
32 93 33 00-0105	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	52.00	
32 93 33 00-0106	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	58.40	
32 93 33 00-0107	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	66.40	
32 93 33 00-0108	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood	41.60	
32 93 33 00-0109	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood	48.00	
32 93 33 00-0110	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood	51.20	
32 93 33 00-0111	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood	56.00	
32 93 33 00-0112	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood	62.40	
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert	49.60	
32 93 33 00-0114	EA	30" B&B Corylus americana - American Filbert	56.00	
32 93 33 00-0115	EA	36" B&B Corylus americana - American Filbert	60.00	
32 93 33 00-0116	EA	48" B&B Corylus americana - American Filbert	64.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0117	EA	24" B&B Corylus avellena - Contorted Hazelnut	160.00	
32 93 33 00-0118	EA	30" B&B Corylus avellena - Contorted Hazelnut	207.99	
32 93 33 00-0119	EA	36" B&B Corylus avellena - Contorted Hazelnut	223.99	
32 93 33 00-0120	EA	42" B&B Corylus avellena - Contorted Hazelnut	287.99	
32 93 33 00-0121	EA	48" B&B Corylus avellena - Contorted Hazelnut	351.99	
32 93 33 00-0122	EA	60" B&B Corylus avellena - Contorted Hazelnut	399.99	
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree	153.14	
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree	229.63	
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree	346.34	
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	40.00	
32 93 33 00-0127	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	40.00	
32 93 33 00-0128	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	41.60	
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	38.33	
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	41.60	
32 93 33 00-0131	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	40.00	
32 93 33 00-0132	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	41.60	
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	16.50	
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	51.05	
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	68.92	
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	116.71	
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	16.50	
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	32.49	
32 93 33 00-0139	EA	18" B&B Deutzia gracilis - Slender Deutzia	40.80	
32 93 33 00-0140	EA	24" B&B Deutzia gracilis - Slender Deutzia	44.80	
32 93 33 00-0141	EA	30" B&B Deutzia gracilis - Slender Deutzia	57.60	
32 93 33 00-0142	EA	36" B&B Deutzia gracilis - Slender Deutzia	67.20	
32 93 33 00-0143	EA	42" B&B Deutzia gracilis - Slender Deutzia	76.80	
32 93 33 00-0144	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	64.00	
32 93 33 00-0145	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	76.80	
32 93 33 00-0146	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	89.60	
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	24.00	
32 93 33 00-0148	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	57.60	
32 93 33 00-0149	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	76.80	
32 93 33 00-0150	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	47.78	
32 93 33 00-0151	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	65.66	
32 93 33 00-0152	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	78.55	
32 93 33 00-0153	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	76.49	
32 93 33 00-0154	EA	1 Gallon Euonymus - Gold Spot	13.75	
32 93 33 00-0155	EA	2 Gallon Euonymus - Gold Spot	28.88	
32 93 33 00-0156	EA	5 Gallon Euonymus - Gold Spot	39.71	
32 93 33 00-0157	EA	1 Gallon Euonymus alatus - Winged Euonymus	11.74	
32 93 33 00-0158	EA	3 Gallon Euonymus alatus - Winged Euonymus	33.86	
32 93 33 00-0159	EA	24" B&B Euonymus alatus - Winged Euonymus	45.63	
32 93 33 00-0160	EA	30" B&B Euonymus alatus - Winged Euonymus	57.04	
32 93 33 00-0161	EA	36" B&B Euonymus alatus - Winged Euonymus	78.38	
32 93 33 00-0162	EA	42" B&B Euonymus alatus - Winged Euonymus	96.78	
32 93 33 00-0163	EA	48" B&B Euonymus alatus - Winged Euonymus	114.08	
32 93 33 00-0164	EA	54" B&B Euonymus alatus - Winged Euonymus	147.20	
32 93 33 00-0165	EA	5 Gallon Euonymus alatus - Winged Euonymus	42.32	
32 93 33 00-0166	EA	60" B&B Euonymus alatus - Winged Euonymus	184.00	
32 93 33 00-0167	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	72.00	
32 93 33 00-0168	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	85.60	
32 93 33 00-0169	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	112.00	
32 93 33 00-0170	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	134.40	
32 93 33 00-0171	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	166.40	
32 93 33 00-0172	EA	18" To 24" Euonymus alatus - Winged Burning Bush	51.05	
32 93 33 00-0173	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	60.16	
32 93 33 00-0174	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	82.16	
32 93 33 00-0175	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	98.49	
32 93 33 00-0176	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	123.92	
32 93 33 00-0177	EA	4' To 5' Euonymus alatus - Winged Burning Bush	174.97	
32 93 33 00-0178	EA	5' To 6' Euonymus alatus - Winged Burning Bush	218.80	
32 93 33 00-0179	EA	6' To 8' Euonymus alatus - Winged Burning Bush	255.24	
32 93 33 00-0180	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	51.05	
32 93 33 00-0181	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	58.27	
32 93 33 00-0182	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	71.16	
32 93 33 00-0183	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	100.38	
32 93 33 00-0184	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	118.60	
32 93 33 00-0185	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	142.14	
32 93 33 00-0186	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	200.58	
32 93 33 00-0187	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	237.02	
32 93 33 00-0188	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	43.20	
32 93 33 00-0189	EA	1 Gallon Euonymus fortunei - Wintercreeper	16.50	
32 93 33 00-0190	EA	2 Gallon Euonymus fortunei - Wintercreeper	32.49	
32 93 33 00-0191	EA	3 Gallon Euonymus fortunei - Wintercreeper	39.71	
32 93 33 00-0192	EA	5 Gallon Euonymus fortunei - Wintercreeper	47.10	
32 93 33 00-0193	EA	2' To 3' Forsythia - Korean Forsythia	36.44	
32 93 33 00-0194	EA	3' To 4' Forsythia - Korean Forsythia	46.06	
32 93 33 00-0195	EA	4' To 5' Forsythia - Korean Forsythia	57.41	
32 93 33 00-0196	EA	30" B&B Forsythia cvs - Forsythia cultivars	36.80	
32 93 33 00-0197	EA	36" B&B Forsythia cvs - Forsythia cultivars	40.80	
32 93 33 00-0198	EA	48" B&B Forsythia cvs - Forsythia cultivars	44.00	
32 93 33 00-0199	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	38.40	
32 93 33 00-0200	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	51.20	
32 93 33 00-0201	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	38.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0202	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	44.80	
32 93 33 00-0203	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	52.80	
32 93 33 00-0204	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	60.80	
32 93 33 00-0205	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	70.40	
32 93 33 00-0206	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	54.40	
32 93 33 00-0207	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	76.00	
32 93 33 00-0208	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	80.00	
32 93 33 00-0209	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	83.20	
32 93 33 00-0210	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	89.60	
32 93 33 00-0211	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	108.80	
32 93 33 00-0212	EA	24" B&B Fothergilla major - Large Fothergilla	140.80	
32 93 33 00-0213	EA	30" B&B Fothergilla major - Large Fothergilla	160.00	
32 93 33 00-0214	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	11.86	
32 93 33 00-0215	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	31.11	
32 93 33 00-0216	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	39.71	
32 93 33 00-0217	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	112.00	
32 93 33 00-0218	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	182.40	
32 93 33 00-0219	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	230.39	
32 93 33 00-0220	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	351.99	
32 93 33 00-0221	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	399.99	
32 93 33 00-0222	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	6.81	
32 93 33 00-0223	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	23.92	
32 93 33 00-0224	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	46.00	
32 93 33 00-0225	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	17.44	
32 93 33 00-0226	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	29.44	
32 93 33 00-0227	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	44.53	
32 93 33 00-0228	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	46.06	
32 93 33 00-0229	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	39.19	
32 93 33 00-0230	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	52.94	
32 93 33 00-0231	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	76.49	
32 93 33 00-0232	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	105.71	
32 93 33 00-0233	EA	2 Gallon Hydrangea - Blue Hydrangea	32.49	
32 93 33 00-0234	EA	5 Gallon Hydrangea - Blue Hydrangea	45.72	
32 93 33 00-0235	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	51.05	
32 93 33 00-0236	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	58.27	
32 93 33 00-0237	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	32.49	
32 93 33 00-0238	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	56.00	
32 93 33 00-0239	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	60.80	
32 93 33 00-0240	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	70.40	
32 93 33 00-0241	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	73.60	
32 93 33 00-0242	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.60	
32 93 33 00-0243	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	76.80	
32 93 33 00-0244	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	33.60	
32 93 33 00-0245	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	40.00	
32 93 33 00-0246	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	34.40	
32 93 33 00-0247	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	36.80	
32 93 33 00-0248	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	41.60	
32 93 33 00-0249	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	48.00	
32 93 33 00-0250	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	64.00	
32 93 33 00-0251	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	46.40	
32 93 33 00-0252	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	52.80	
32 93 33 00-0253	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	62.40	
32 93 33 00-0254	EA	2 Gallon Hypericum kalmianum - St. John's Wort	32.49	
32 93 33 00-0255	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	38.40	
32 93 33 00-0256	EA	24" B&B Hypericum kalmianun - Kalm St. John's Wort	41.60	
32 93 33 00-0257	EA	1 Gallon Ilex "Carissa" - Holly	16.50	
32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly	32.49	
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly	45.72	
32 93 33 00-0260	EA	18" To 24" Ilex - Gulftide Sweet Holly	43.83	
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	55.52	
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	72.02	
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	87.49	
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	32.74	
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	16.50	
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	32.49	
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	47.10	
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	16.50	
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	36.10	
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	47.10	
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	36.09	
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	43.49	
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	87.49	
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	116.71	
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly	116.71	
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly	193.19	
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly	247.85	
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly	298.90	
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly	419.21	
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly	583.36	
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly	838.43	
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly	1,276.03	
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly	1,549.32	
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly	1,913.88	
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female)	116.71	
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female)	153.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0287	EA	2' To 3' Ilex verticillata - Winterberry (Male)	94.71	
32 93 33 00-0288	EA	3' To 4' Ilex verticillata - Winterberry (Male)	131.32	
32 93 33 00-0289	EA	4' To 5' Ilex verticillata - Winterberry (Male)	153.14	
32 93 33 00-0290	EA	1 Gallon Ilex vomitoria - Yaupon Holly	15.47	
32 93 33 00-0291	EA	3 Gallon Ilex vomitoria - Yaupon Holly	31.11	
32 93 33 00-0292	EA	10 Gallon Ilex vomitoria - Yaupon Holly	109.32	
32 93 33 00-0293	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	49.60	
32 93 33 00-0294	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	56.00	
32 93 33 00-0295	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	64.00	
32 93 33 00-0296	EA	18" B&B Ilex meserveae & cvs - Blue Holly	59.20	
32 93 33 00-0297	EA	24" B&B Ilex meservae & cvs - Blue Holly	72.00	
32 93 33 00-0298	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	52.80	
32 93 33 00-0299	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	52.80	
32 93 33 00-0300	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	56.00	
32 93 33 00-0301	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	67.20	
32 93 33 00-0302	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	75.20	
32 93 33 00-0303	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	80.00	
32 93 33 00-0304	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	102.40	
32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly	189.58	
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly	251.46	
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly	224.99	
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly	437.43	
32 93 33 00-0309	EA	1 Gallon Jasimnum - Jasmine	4.23	
32 93 33 00-0310	EA	3 Gallon Jasimnum - Jasmine	16.56	
32 93 33 00-0311	EA	3 Gallon Jasimnum - Orange Jasmine	12.88	
32 93 33 00-0312	EA	4' - 5' Jasimnum - Orange Jasmine	147.20	
32 93 33 00-0313	EA	6' - 7' Jasimnum - Orange Jasmine	294.39	
32 93 33 00-0314	EA	8' - 10' Jasimnum - Orange Jasmine	397.43	
32 93 33 00-0315	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	56.00	
32 93 33 00-0316	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	62.40	
32 93 33 00-0317	EA	18" B&B Juniperus chinesis cvs - Chinese Juniper	83.20	
32 93 33 00-0318	EA	24" B&B Juniperus chinesis cvs - Chinese Juniper	108.80	
32 93 33 00-0319	EA	30" B&B Juniperus chinesis cvs - Chinese Juniper	128.00	
32 93 33 00-0320	EA	36" B&B Juniperus chinesis cvs - Chinese Juniper	172.80	
32 93 33 00-0321	EA	48" B&B Juniperus chinesis cvs - Chinese Juniper	236.79	
32 93 33 00-0322	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	26.68	
32 93 33 00-0323	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	56.00	
32 93 33 00-0324	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	62.40	
32 93 33 00-0325	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	67.20	
32 93 33 00-0326	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	73.60	
32 93 33 00-0327	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	89.60	
32 93 33 00-0328	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	108.80	
32 93 33 00-0329	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	43.20	
32 93 33 00-0330	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	51.20	
32 93 33 00-0331	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	70.40	
32 93 33 00-0332	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	89.60	
32 93 33 00-0333	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	108.80	
32 93 33 00-0334	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	40.00	
32 93 33 00-0335	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	48.00	
32 93 33 00-0336	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	41.60	
32 93 33 00-0337	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	80.00	
32 93 33 00-0338	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	124.80	
32 93 33 00-0339	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	156.80	
32 93 33 00-0340	EA	15" To 18" Kalmia latifolia - Mountain Laurel	65.66	
32 93 33 00-0341	EA	18" To 24" Kalmia latifolia - Mountain Laurel	87.49	
32 93 33 00-0342	EA	2' To 3' Kalmia latifolia - Mountain Laurel	127.53	
32 93 33 00-0343	EA	4' To 5' Kalmia latifolia - Mountain Laurel	233.24	
32 93 33 00-0344	EA	5' To 6' Kalmia latifolia - Mountain Laurel	357.34	
32 93 33 00-0345	EA	6' To 8' Kalmia latifolia - Mountain Laurel	546.92	
32 93 33 00-0346	EA	1 Gallon Kerria japonica - Kerria	14.61	
32 93 33 00-0347	EA	5 Gallon Kerria japonica - Kerria	45.72	
32 93 33 00-0348	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	46.40	
32 93 33 00-0349	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	52.80	
32 93 33 00-0350	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	57.60	
32 93 33 00-0351	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	67.20	
32 93 33 00-0352	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	76.80	
32 93 33 00-0353	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	96.00	
32 93 33 00-0354	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	11.00	
32 93 33 00-0355	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	39.19	
32 93 33 00-0356	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	54.66	
32 93 33 00-0357	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	80.27	
32 93 33 00-0358	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	127.53	
32 93 33 00-0359	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	165.60	
32 93 33 00-0360	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	220.79	
32 93 33 00-0361	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	459.99	
32 93 33 00-0362	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	16.50	
32 93 33 00-0363	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	36.10	
32 93 33 00-0364	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	43.49	
32 93 33 00-0365	EA	1 Gallon Ligustrum lucidum - Glossy Privet	10.14	
32 93 33 00-0366	EA	5 Gallon Ligustrum lucidum - Glossy Privet	31.11	
32 93 33 00-0367	EA	15 Gallon Ligustrum lucidum - Glossy Privet	145.75	
32 93 33 00-0368	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	10.14	
32 93 33 00-0369	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	21.83	
32 93 33 00-0370	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	28.36	
32 93 33 00-0371	EA	36" B&B Ligustrum vulgare & cvs - Common Privet	48.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0372	EA	48" B&B Ligustrum vulgare & cvs - Common Privet	70.40	
32 93 33 00-0373	EA	60" B&B Ligustrum vulgare & cvs - Common Privet	89.60	
32 93 33 00-0374	EA	72" B&B Ligustrum vulgare & cvs - Common Privet	102.40	
32 93 33 00-0375	EA	5 Gallon Lindera benzoin - Spicebush	52.80	
32 93 33 00-0376	EA	36" B&B Lindera benzoin - Spicebush	44.80	
32 93 33 00-0377	EA	48" B&B Lindera benzoin - Spicebush	54.40	
32 93 33 00-0378	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	87.49	
32 93 33 00-0379	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	105.71	
32 93 33 00-0380	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	48.00	
32 93 33 00-0381	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	57.60	
32 93 33 00-0382	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	64.00	
32 93 33 00-0383	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	70.40	
32 93 33 00-0384	EA	1 Gallon Myrica cerifera - Wax Myrtle	9.20	
32 93 33 00-0385	EA	4 Gallon Myrica cerifera - Wax Myrtle	29.44	
32 93 33 00-0386	EA	7 Gallon Myrica cerifera - Wax Myrtle	64.40	
32 93 33 00-0387	EA	10 Gallon Myrica cerifera - Wax Myrtle	95.68	
32 93 33 00-0388	EA	15 Gallon Myrica cerifera - Wax Myrtle	147.20	
32 93 33 00-0389	EA	45 Gallon Myrica cerifera - Wax Myrtle	441.59	
32 93 33 00-0390	EA	1' - 2' Myrica cerifera - Wax Myrtle	12.88	
32 93 33 00-0391	EA	3' - 4' Myrica cerifera - Wax Myrtle	44.16	
32 93 33 00-0392	EA	5' - 6' Myrica cerifera - Wax Myrtle	80.96	
32 93 33 00-0393	EA	7' - 8' Myrica cerifera - Wax Myrtle	110.40	
32 93 33 00-0394	EA	9' - 10' Myrica cerifera - Wax Myrtle	147.20	
32 93 33 00-0395	EA	11' - 12' Myrica cerifera - Wax Myrtle	224.47	
32 93 33 00-0396	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	48.00	
32 93 33 00-0397	EA	24" B&B Myrica pensylvanica - Northern Bayberry	78.40	
32 93 33 00-0398	EA	30" B&B Myrica pensylvanica - Northern Bayberry	115.20	
32 93 33 00-0399	EA	36" B&B Myrica pensylvanica - Northern Bayberry	137.60	
32 93 33 00-0400	EA	48" B&B Myrica pensylvanica - Northern Bayberry	144.00	
32 93 33 00-0401	EA	1 Gallon Nandina domestica - Heavenly Bamboo	16.50	
32 93 33 00-0402	EA	2 Gallon Nandina domestica - Heavenly Bamboo	36.10	
32 93 33 00-0403	EA	5 Gallon Nandina domestica - Heavenly Bamboo	54.66	
32 93 33 00-0404	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	10.14	
32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	27.50	
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange	14.09	
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange	45.72	
32 93 33 00-0408	EA	36" B&B Philadelphus x virginalis & cvs - Mockorange	48.00	
32 93 33 00-0409	EA	42" B&B Philadelphus x virginalis & cvs - Mockorange	56.00	
32 93 33 00-0410	EA	48" B&B Philadelphus x virginalis & cvs - Mockorange	64.00	
32 93 33 00-0411	EA	24" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	48.00	
32 93 33 00-0412	EA	30" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	56.00	
32 93 33 00-0413	EA	36" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	64.00	
32 93 33 00-0414	EA	42" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	80.00	
32 93 33 00-0415	EA	48" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	96.00	
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda	44.17	
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda	94.71	
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda	57.41	
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda	65.66	
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda	82.16	
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	116.71	
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	138.54	
32 93 33 00-0423	EA	24" B&B Pinus mugo & cvs - Mugo Pine	40.73	
32 93 33 00-0424	EA	30" B&B Pinus mugo & cvs - Mugo Pine	52.13	
32 93 33 00-0425	EA	36" B&B Pinus mugo & cvs - Mugo Pine	62.72	
32 93 33 00-0426	EA	48" B&B Pinus mugo & cvs - Mugo Pine	80.64	
32 93 33 00-0427	EA	60" B&B Pinus mugo & cvs - Mugo Pine	96.93	
32 93 33 00-0428	EA	72" B&B Pinus mugo & cvs - Mugo Pine	141.73	
32 93 33 00-0429	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	87.97	
32 93 33 00-0430	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	105.89	
32 93 33 00-0431	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	140.91	
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum	6.07	
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum	15.64	
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum	6.07	
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum	15.64	
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum	27.42	
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	27.20	
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	38.40	
32 93 33 00-0439	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	28.80	
32 93 33 00-0440	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	32.00	
32 93 33 00-0441	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	46.40	
32 93 33 00-0442	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	53.60	
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60	
32 93 33 00-0444	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.00	
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.48	
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.35	
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.43	
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.39	
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08	
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond	24.41	
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond	38.94	
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond	77.96	
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond	23.45	
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond	26.34	
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond	30.63	
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	20.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0457	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	25.55	
32 93 33 00-0458	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	30.63	
32 93 33 00-0459	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	35.09	
32 93 33 00-0460	EA	1 Gallon Punica granatum - Dwarf Pomegranate	10.83	
32 93 33 00-0461	EA	3 Gallon Punica granatum - Dwarf Pomegranate	31.97	
32 93 33 00-0462	EA	7 Gallon Punica granatum - Dwarf Pomegranate	65.66	
32 93 33 00-0463	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	13.75	
32 93 33 00-0464	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	45.72	
32 93 33 00-0465	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	94.71	
32 93 33 00-0466	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	11.00	
32 93 33 00-0467	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	20.97	
32 93 33 00-0468	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	37.30	
32 93 33 00-0469	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	83.88	
32 93 33 00-0470	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	114.99	
32 93 33 00-0471	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	149.53	
32 93 33 00-0472	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	273.46	
32 93 33 00-0473	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	17.88	
32 93 33 00-0474	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	36.09	
32 93 33 00-0475	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	47.10	
32 93 33 00-0476	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	54.66	
32 93 33 00-0477	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	63.94	
32 93 33 00-0478	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	80.27	
32 93 33 00-0479	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	116.71	
32 93 33 00-0480	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	163.97	
32 93 33 00-0481	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	20.11	
32 93 33 00-0482	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	36.09	
32 93 33 00-0483	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	62.05	
32 93 33 00-0484	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	80.27	
32 93 33 00-0485	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	116.71	
32 93 33 00-0486	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	171.36	
32 93 33 00-0487	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	229.63	
32 93 33 00-0488	EA	5 Gallon Rhododendron - Boxleaf Azara	45.72	
32 93 33 00-0489	EA	15 Gallon Rhododendron - Boxleaf Azara	163.97	
32 93 33 00-0490	EA	15" To 18" Rhododendron - Carolina Rhododendron	51.74	
32 93 33 00-0491	EA	18" To 24" Rhododendron - Carolina Rhododendron	91.10	
32 93 33 00-0492	EA	24" To 30" Rhododendron - Carolina Rhododendron	134.93	
32 93 33 00-0493	EA	2' To 3' Rhododendron - Five-leafed Azalea	61.36	
32 93 33 00-0494	EA	3' To 4' Rhododendron - Five-leafed Azalea	80.27	
32 93 33 00-0495	EA	4' To 5' Rhododendron - Five-leafed Azalea	105.71	
32 93 33 00-0496	EA	15" To 18" Rhododendron - Ghent Azalea	61.36	
32 93 33 00-0497	EA	18" To 24" Rhododendron - Ghent Azalea	76.49	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Ghent Azalea	123.92	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Ghent Azalea	171.36	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Ghent Azalea	229.63	
32 93 33 00-0501	EA	5' To 6' Rhododendron - Ghent Azalea	306.29	
32 93 33 00-0502	EA	1 Gallon Rhododendron - Hybrid Rhododendron	20.11	
32 93 33 00-0503	EA	2 Gallon Rhododendron - Hybrid Rhododendron	43.49	
32 93 33 00-0504	EA	3 Gallon Rhododendron - Hybrid Rhododendron	61.70	
32 93 33 00-0505	EA	5 Gallon Rhododendron - Hybrid Rhododendron	68.92	
32 93 33 00-0506	EA	15" To 18" Rhododendron - Hybrid Rhododendron	58.27	
32 93 33 00-0507	EA	18" To 24" Rhododendron - Hybrid Rhododendron	80.27	
32 93 33 00-0508	EA	24" To 30" Rhododendron - Hybrid Rhododendron	109.32	
32 93 33 00-0509	EA	30" To 36" Rhododendron - Hybrid Rhododendron	127.53	
32 93 33 00-0510	EA	36" To 42" Rhododendron - Hybrid Rhododendron	182.36	
32 93 33 00-0511	EA	42" To 48" Rhododendron - Hybrid Rhododendron	226.02	
32 93 33 00-0512	EA	15" To 18" Rhododendron - Pjm Rhododendron	65.66	
32 93 33 00-0513	EA	18" To 24" Rhododendron - Pjm Rhododendron	80.27	
32 93 33 00-0514	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	116.71	
32 93 33 00-0515	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	149.53	
32 93 33 00-0516	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	182.36	
32 93 33 00-0517	EA	12" To 15" Rhododendron - Torch Azalea	51.05	
32 93 33 00-0518	EA	15" To 18" Rhododendron - Torch Azalea	61.36	
32 93 33 00-0519	EA	18" To 24" Rhododendron - Torch Azalea	76.49	
32 93 33 00-0520	EA	2' To 3' Rhododendron - Torch Azalea	127.53	
32 93 33 00-0521	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	57.60	
32 93 33 00-0522	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	70.40	
32 93 33 00-0523	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron	86.40	
32 93 33 00-0524	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron	108.80	
32 93 33 00-0525	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron	128.00	
32 93 33 00-0526	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron	153.60	
32 93 33 00-0527	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	16.50	
32 93 33 00-0528	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	45.72	
32 93 33 00-0529	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	38.40	
32 93 33 00-0530	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	52.80	
32 93 33 00-0531	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac	60.80	
32 93 33 00-0532	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac	80.00	
32 93 33 00-0533	EA	36" B&B Rhus glabra - Smooth Sumac	48.00	
32 93 33 00-0534	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac	80.00	
32 93 33 00-0535	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac	128.00	
32 93 33 00-0536	EA	15" B&B Ribes alpinum & cvs - Alpine Currant	43.20	
32 93 33 00-0537	EA	18" B&B Ribes alpinum & cvs - Alpine Currant	49.60	
32 93 33 00-0538	EA	24" B&B Ribes alpinum & cvs - Alpine Currant	72.00	
32 93 33 00-0539	EA	30" B&B Ribes alpinum & cvs - Alpine Currant	96.00	
32 93 33 00-0540	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	26.40	
32 93 33 00-0541	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	32.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	40.00	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	28.80	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	36.80	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder	52.80	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	23.72	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	34.72	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	12.89	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	33.69	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia	16.50	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia	32.83	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia	52.94	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spirea	76.49	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spirea	116.71	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spirea	45.72	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spirea	37.47	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spirea	52.94	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spirea	61.36	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spirea	105.71	
32 93 33 00-0560	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	16.50	
32 93 33 00-0561	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	32.49	
32 93 33 00-0562	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	37.60	
32 93 33 00-0563	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	40.80	
32 93 33 00-0564	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea	41.60	
32 93 33 00-0565	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea	48.00	
32 93 33 00-0566	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea	54.40	
32 93 33 00-0567	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea	63.20	
32 93 33 00-0568	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	25.60	
32 93 33 00-0569	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	38.40	
32 93 33 00-0570	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	35.20	
32 93 33 00-0571	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	41.60	
32 93 33 00-0572	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	48.00	
32 93 33 00-0573	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	54.40	
32 93 33 00-0574	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	70.40	
32 93 33 00-0575	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	16.50	
32 93 33 00-0576	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	29.60	
32 93 33 00-0577	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	38.40	
32 93 33 00-0578	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	33.60	
32 93 33 00-0579	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	40.80	
32 93 33 00-0580	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	48.00	
32 93 33 00-0581	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	54.40	
32 93 33 00-0582	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	38.40	
32 93 33 00-0583	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	38.40	
32 93 33 00-0584	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	44.80	
32 93 33 00-0585	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	60.80	
32 93 33 00-0586	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	70.40	
32 93 33 00-0587	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	83.20	
32 93 33 00-0588	EA	5 Gallon Staphylea trifolia - Bladdernut	54.01	
32 93 33 00-0589	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	38.40	
32 93 33 00-0590	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	41.60	
32 93 33 00-0591	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	48.00	
32 93 33 00-0592	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	57.60	
32 93 33 00-0593	EA	2 Gallon Symphoricarpos albus - Common Snowberry	40.00	
32 93 33 00-0594	EA	5 Gallon Symphoricarpos albus - Common Snowberry	42.40	
32 93 33 00-0595	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	70.40	
32 93 33 00-0596	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	88.00	
32 93 33 00-0597	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	102.40	
32 93 33 00-0598	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	118.40	
32 93 33 00-0599	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	70.40	
32 93 33 00-0600	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	76.80	
32 93 33 00-0601	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	88.00	
32 93 33 00-0602	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	102.40	
32 93 33 00-0603	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	118.40	
32 93 33 00-0604	EA	60" B&B Syringa villosa & cvs - Late Lilac	56.00	
32 93 33 00-0605	EA	72" B&B Syringa villosa & cvs - Late Lilac	60.80	
32 93 33 00-0606	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	48.00	
32 93 33 00-0607	EA	42' B&B Syringa vulgaris & cvs - Common Lilac	54.40	
32 93 33 00-0608	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	60.80	
32 93 33 00-0609	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	70.40	
32 93 33 00-0610	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	86.40	
32 93 33 00-0611	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	40.00	
32 93 33 00-0612	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	46.40	
32 93 33 00-0613	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	60.80	
32 93 33 00-0614	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	254.39	
32 93 33 00-0615	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	284.79	
32 93 33 00-0616	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	313.59	
32 93 33 00-0617	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	377.59	
32 93 33 00-0618	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	67.20	
32 93 33 00-0619	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	88.00	
32 93 33 00-0620	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	102.40	
32 93 33 00-0621	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	112.00	
32 93 33 00-0622	EA	15" B&B Taxus x media & cvs - Anglojap Yew	67.20	
32 93 33 00-0623	EA	18" B&B Taxus x media & cvs - Anglojap Yew	88.00	
32 93 33 00-0624	EA	24" B&B Taxus x media & cvs - Anglojap Yew	104.00	
32 93 33 00-0625	EA	30" B&B Taxus x media & cvs - Anglojap Yew	123.20	
32 93 33 00-0626	EA	36" B&B Taxus x media & cvs - Anglojap Yew	185.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0627	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	102.40	
32 93 33 00-0628	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	137.60	
32 93 33 00-0629	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	207.99	
32 93 33 00-0630	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	303.99	
32 93 33 00-0631	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	348.79	
32 93 33 00-0632	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	404.79	
32 93 33 00-0633	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	44.80	
32 93 33 00-0634	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	62.40	
32 93 33 00-0635	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	88.00	
32 93 33 00-0636	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	76.49	
32 93 33 00-0637	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	116.71	
32 93 33 00-0638	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	153.15	
32 93 33 00-0639	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	9.28	
32 93 33 00-0640	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	25.44	
32 93 33 00-0641	EA	5 Gallon Viburnum plicatum - Japanese Snowball	45.72	
32 93 33 00-0642	EA	5' To 6' Viburnum plicatum - Japanese Snowball	171.37	
32 93 33 00-0643	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	80.27	
32 93 33 00-0644	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	94.71	
32 93 33 00-0645	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	133.21	
32 93 33 00-0646	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	88.00	
32 93 33 00-0647	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	105.60	
32 93 33 00-0648	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	80.00	
32 93 33 00-0649	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	96.00	
32 93 33 00-0650	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	112.00	
32 93 33 00-0651	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	128.00	
32 93 33 00-0652	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	44.80	
32 93 33 00-0653	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	48.00	
32 93 33 00-0654	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	56.00	
32 93 33 00-0655	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	64.00	
32 93 33 00-0656	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	70.40	
32 93 33 00-0657	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	43.20	
32 93 33 00-0658	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	48.00	
32 93 33 00-0659	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	60.80	
32 93 33 00-0660	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	70.40	
32 93 33 00-0661	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	96.00	
32 93 33 00-0662	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	115.20	
32 93 33 00-0663	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	48.00	
32 93 33 00-0664	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	64.00	
32 93 33 00-0665	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	80.00	
32 93 33 00-0666	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	112.00	
32 93 33 00-0667	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	160.00	
32 93 33 00-0668	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	223.99	
32 93 33 00-0669	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	287.99	
32 93 33 00-0670	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	57.60	
32 93 33 00-0671	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	64.00	
32 93 33 00-0672	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	115.20	
32 93 33 00-0673	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	176.00	
32 93 33 00-0674	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	223.99	
32 93 33 00-0675	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	271.99	
32 93 33 00-0676	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	335.99	
32 93 33 00-0677	EA	96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	399.99	
32 93 33 00-0678	EA	108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	479.99	
32 93 33 00-0679	EA	120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	559.98	
32 93 33 00-0680	EA	30" B&B Viburnum sargenti & cvs - Sargent Viburnum	48.80	
32 93 33 00-0681	EA	36" B&B Viburnum sargenti & cvs - Sargent Viburnum	53.60	
32 93 33 00-0682	EA	48" B&B Viburnum sargenti & cvs - Sargent Viburnum	60.80	
32 93 33 00-0683	EA	60" B&B Viburnum sargenti & cvs - Sargent Viburnum	70.40	
32 93 33 00-0684	EA	72" B&B Viburnum sargenti & cvs - Sargent Viburnum	80.80	
32 93 33 00-0685	EA	18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	46.40	
32 93 33 00-0686	EA	24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	56.00	
32 93 33 00-0687	EA	30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	67.20	
32 93 33 00-0688	EA	36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	76.80	
32 93 33 00-0689	EA	42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	92.80	
32 93 33 00-0690	EA	48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	102.40	
32 93 33 00-0691	EA	30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	80.00	
32 93 33 00-0692	EA	36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	96.00	
32 93 33 00-0693	EA	42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.00	
32 93 33 00-0694	EA	48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	128.00	
32 93 33 00-0695	EA	60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	144.00	
32 93 33 00-0696	EA	30" B&B Viburnum x juddii & cvs - Judd Viburnum	102.40	
32 93 33 00-0697	EA	36" B&B Viburnum x juddii & cvs - Judd Viburnum	115.20	
32 93 33 00-0698	EA	42" B&B Viburnum x juddii & cvs - Judd Viburnum	131.20	
32 93 33 00-0699	EA	48" B&B Viburnum x juddii & cvs - Judd Viburnum	150.40	
32 93 33 00-0700	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	94.71	
32 93 33 00-0701	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	116.71	
32 93 33 00-0702	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	171.36	
32 93 33 00-0703	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	52.80	
32 93 33 00-0704	EA	24" B&B Weigela florida & cvs - Old Fashioned Weigela	48.00	
32 93 33 00-0705	EA	30" B&B Weigela florida & cvs - Old Fashioned Weigela	54.40	
32 93 33 00-0706	EA	36" B&B Weigela florida & cvs - Old Fashioned Weigela	60.80	
32 93 33 00-0707	EA	42" B&B Weigela florida & cvs - Old Fashioned Weigela	70.40	
32 93 33 00-0708	EA	48" B&B Weigela florida & cvs - Old Fashioned Weigela	80.00	
32 93 33 00-0709	EA	1 Gallon Xylosma congestum - Shiny Xylosma	11.00	
32 93 33 00-0710	EA	5 Gallon Xylosma congestum - Shiny Xylosma	31.11	
32 93 33 00-0711	EA	15 Gallon Xylosma congestum - Shiny Xylosma	136.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0712	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	9.28	
32 93 33 00-0713	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	24.58	
32 93 33 00-0714	EA	1 Gallon Yucca filamentosa - Adams Needle	12.89	
32 93 33 00-0715	EA	3 Gallon Yucca filamentosa - Adams Needle	25.09	
32 93 33 00-0716	EA	5 Gallon Yucca filamentosa - Adams Needle	39.71	
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells	44.17	
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells	36.44	
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells	46.06	
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells	57.41	
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells	68.92	
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells	94.71	
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper	93.84	
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper	128.80	
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper	202.39	
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper	235.51	
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper	309.11	
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	18.40	
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.76	
32 93 33 00-0730	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	62.37	
32 93 33 00-0731	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	18.40	
32 93 33 00-0732	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	25.76	

32 93 43 Trees *(32 93)*

See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	234.10	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	286.12	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	325.14	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	377.16	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	429.19	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	507.22	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	238.78	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	832.36	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,040.45	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	208.09	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	520.23	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	676.29	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	780.34	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	884.38	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,040.45	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	128.00	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	160.00	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	198.39	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	160.00	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	191.99	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry	223.99	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry	255.99	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	287.99	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	319.99	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	367.99	
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	415.99	
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	479.99	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	260.11	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	364.16	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	390.17	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	455.20	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	325.14	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	390.17	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	455.20	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	520.23	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	585.25	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	650.28	
32 93 43 00-0039	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	367.99	
32 93 43 00-0040	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	431.99	
32 93 43 00-0041	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	495.99	
32 93 43 00-0042	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	543.99	
32 93 43 00-0043	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	128.00	
32 93 43 00-0044	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	271.99	
32 93 43 00-0045	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	351.99	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	38.96	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	40.87	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	48.66	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	58.06	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	182.08	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	208.09	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	286.12	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	390.17	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	455.20	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	585.25	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	234.10	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	286.12	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	390.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	455.20	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	546.24	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	663.29	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	754.33	
32 93 43 00-0063	EA	6' Cercis - American Redbud	145.68	
32 93 43 00-0064	EA	8' Cercis - American Redbud	200.42	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud	412.80	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud	502.54	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	127.15	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	158.94	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	312.14	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	429.19	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	546.24	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	299.13	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	351.15	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	82.16	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	102.70	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	260.11	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	325.14	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	416.18	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	93.89	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	117.37	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	164.32	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	211.26	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	62.60	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	93.89	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	131.45	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	62.60	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	71.99	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	93.89	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	137.71	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	187.79	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	299.13	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	364.16	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	143.06	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	182.08	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	208.09	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	234.10	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	286.12	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	143.06	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	182.08	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	221.10	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	260.11	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	364.16	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	325.14	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	390.17	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	455.20	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	260.11	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	325.14	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	403.18	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	455.20	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	520.23	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	585.25	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	260.11	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	312.14	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	364.16	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	455.20	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	585.25	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	208.09	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	234.10	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	260.11	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	299.13	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	390.17	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	442.19	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	182.08	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	221.10	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	260.11	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	325.14	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	403.18	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	481.21	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	559.24	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	208.09	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	234.10	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	325.14	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	429.19	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	195.08	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	260.11	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	325.14	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	390.17	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	130.06	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	169.07	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	208.09	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	286.12	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	390.17	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	7.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	23.93	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	41.13	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	78.52	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	104.70	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	134.61	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	49.29	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	73.94	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	92.43	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	115.12	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	195.08	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	260.11	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	338.15	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	377.16	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	507.22	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	455.20	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	195.08	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	260.11	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	338.15	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	377.16	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	455.20	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	507.22	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	195.08	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	260.11	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	338.15	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	377.16	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	455.20	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	507.22	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	195.08	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	260.11	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	338.15	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	377.16	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	455.20	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	507.22	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	195.08	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	260.11	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	338.15	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	377.16	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	455.20	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	507.22	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	52.82	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	134.68	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	158.45	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	156.07	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	208.09	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	260.11	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	312.14	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	364.16	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	416.18	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	234.10	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	260.11	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	325.14	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	364.16	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	468.20	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	260.11	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	325.14	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	195.08	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	247.11	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	299.13	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	338.15	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	377.16	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	416.18	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	119.32	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	149.16	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	178.99	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	208.82	
32 93 43 00-0209	EA	20 Gallon Prunus subhirtella - Flowering Cherry	182.90	
32 93 43 00-0210	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	189.06	
32 93 43 00-0211	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	236.30	
32 93 43 00-0212	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	493.14	
32 93 43 00-0213	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	380.08	
32 93 43 00-0214	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	739.71	
32 93 43 00-0215	EA	4' To 6' Prunus - Pigeon Plum	74.78	
32 93 43 00-0216	EA	8' To 10' Prunus - Pigeon Plum	254.26	
32 93 43 00-0217	EA	10' To 12' Prunus - Pigeon Plum	323.06	
32 93 43 00-0218	EA	14' To 16' Prunus - Pigeon Plum	508.52	
32 93 43 00-0219	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	47.24	
32 93 43 00-0220	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	129.40	
32 93 43 00-0221	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	168.52	
32 93 43 00-0222	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	53.40	
32 93 43 00-0223	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	102.70	
32 93 43 00-0224	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	189.06	
32 93 43 00-0225	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	226.03	
32 93 43 00-0226	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	147.98	
32 93 43 00-0227	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	123.24	
32 93 43 00-0228	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	180.75	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0229	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	215.76	
32 93 43 00-0230	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	277.38	
32 93 43 00-0231	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	106.90	
32 93 43 00-0232	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	164.41	
32 93 43 00-0233	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	201.29	
32 93 43 00-0234	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	256.84	
32 93 43 00-0235	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	142.80	
32 93 43 00-0236	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	178.50	
32 93 43 00-0237	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	185.64	
32 93 43 00-0238	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	221.33	
32 93 43 00-0239	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	299.87	
32 93 43 00-0240	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	392.69	
32 93 43 00-0241	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	499.79	
32 93 43 00-0242	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	142.80	
32 93 43 00-0243	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	178.50	
32 93 43 00-0244	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	121.38	
32 93 43 00-0245	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	185.64	
32 93 43 00-0246	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	221.14	
32 93 43 00-0247	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	299.87	
32 93 43 00-0248	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	392.69	
32 93 43 00-0249	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	260.11	
32 93 43 00-0250	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	325.14	
32 93 43 00-0251	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	403.18	
32 93 43 00-0252	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	455.20	
32 93 43 00-0253	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	507.22	
32 93 43 00-0254	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	650.28	
32 93 43 00-0255	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	347.76	
32 93 43 00-0256	EA	2" Caliper Sophora japonica - Japanese Pagoda	391.23	
32 93 43 00-0257	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	456.43	
32 93 43 00-0258	EA	3" Caliper Sophora japonica - Japanese Pagoda	667.57	
32 93 43 00-0259	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,009.12	
32 93 43 00-0260	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	260.11	
32 93 43 00-0261	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	325.14	
32 93 43 00-0262	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	403.18	
32 93 43 00-0263	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	494.21	
32 93 43 00-0264	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	598.26	
32 93 43 00-0265	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	715.31	
32 93 43 00-0266	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	338.15	
32 93 43 00-0267	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	364.16	
32 93 43 00-0268	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	442.19	
32 93 43 00-0269	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	208.09	
32 93 43 00-0270	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	247.11	
32 93 43 00-0271	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	286.12	
32 93 43 00-0272	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	325.14	
32 93 43 00-0273	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	377.16	
32 93 43 00-0274	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	481.21	
32 93 43 00-0275	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	546.24	
32 93 43 00-0276	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	624.27	

32 93 43 00-0277 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0278	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	204.30	
32 93 43 00-0279	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	250.44	
32 93 43 00-0280	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	326.22	
32 93 43 00-0281	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	422.88	
32 93 43 00-0282	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	21.55	
32 93 43 00-0283	EA	4' To 5' Acer palmatum - Japanese Maple	45.25	
32 93 43 00-0284	EA	5' To 6' Acer palmatum - Japanese Maple	59.26	
32 93 43 00-0285	EA	6' To 7' Acer palmatum - Japanese Maple	107.74	
32 93 43 00-0286	EA	7' To 8' Acer palmatum - Japanese Maple	150.84	
32 93 43 00-0287	EA	8' To 10' Acer palmatum - Japanese Maple	193.94	
32 93 43 00-0288	EA	10' To 12' Acer palmatum - Japanese Maple	258.58	
32 93 43 00-0289	EA	2" Caliper Acer platanoides & cvs - Norway Maple	109.84	
32 93 43 00-0290	EA	2" Caliper Acer platanoides & cvs - Norway Maple	133.72	
32 93 43 00-0291	EA	3" Caliper Acer platanoides & cvs - Norway Maple	171.92	
32 93 43 00-0292	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	200.58	
32 93 43 00-0293	EA	4" Caliper Acer platanoides & cvs - Norway Maple	214.90	
32 93 43 00-0294	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	234.01	
32 93 43 00-0295	EA	5" Caliper Acer platanoides & cvs - Norway Maple	262.66	
32 93 43 00-0296	EA	2" Caliper Acer rubrum & cvs - Red Maple	105.06	
32 93 43 00-0297	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	133.72	
32 93 43 00-0298	EA	3" Caliper Acer rubrum & cvs - Red Maple	171.92	
32 93 43 00-0299	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	210.13	
32 93 43 00-0300	EA	4" Caliper Acer rubrum & cvs - Red Maple	238.78	
32 93 43 00-0301	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	276.99	
32 93 43 00-0302	EA	5" Caliper Acer rubrum & cvs - Red Maple	310.42	
32 93 43 00-0303	EA	8' Clump Form Acer rubrum & cvs - Red Maple	128.94	
32 93 43 00-0304	EA	10' Clump Form Acer rubrum & cvs - Red Maple	171.92	
32 93 43 00-0305	EA	12' Clump Form Acer rubrum & cvs - Red Maple	200.58	
32 93 43 00-0306	EA	14' Clump Form Acer rubrum & cvs - Red Maple	229.23	
32 93 43 00-0307	EA	16' Clump Form Acer rubrum & cvs - Red Maple	257.89	
32 93 43 00-0308	EA	18' Clump Form Acer rubrum & cvs - Red Maple	286.54	
32 93 43 00-0309	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	85.96	
32 93 43 00-0310	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	114.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0311	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	143.27	
32 93 43 00-0312	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	171.92	
32 93 43 00-0313	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	200.58	
32 93 43 00-0314	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	229.23	
32 93 43 00-0315	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	257.89	
32 93 43 00-0316	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	105.06	
32 93 43 00-0317	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	138.49	
32 93 43 00-0318	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	167.15	
32 93 43 00-0319	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	191.03	
32 93 43 00-0320	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	224.46	
32 93 43 00-0321	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	257.89	
32 93 43 00-0322	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	286.54	
32 93 43 00-0323	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	191.03	
32 93 43 00-0324	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	224.46	
32 93 43 00-0325	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	262.66	
32 93 43 00-0326	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	291.31	
32 93 43 00-0327	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	353.40	
32 93 43 00-0328	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	382.05	
32 93 43 00-0329	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	119.39	
32 93 43 00-0330	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	148.05	
32 93 43 00-0331	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	181.47	
32 93 43 00-0332	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	210.13	
32 93 43 00-0333	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	229.23	
32 93 43 00-0334	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	253.11	
32 93 43 00-0335	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	281.76	
32 93 43 00-0336	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	171.92	
32 93 43 00-0337	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	227.32	
32 93 43 00-0338	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	264.57	
32 93 43 00-0339	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	291.31	
32 93 43 00-0340	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	353.40	
32 93 43 00-0341	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	382.05	
32 93 43 00-0342	EA	2" Caliper Aesculus glabra - Ohio Buckeye	128.94	
32 93 43 00-0343	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	152.82	
32 93 43 00-0344	EA	3" Caliper Aesculus glabra - Ohio Buckeye	181.47	
32 93 43 00-0345	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	200.58	
32 93 43 00-0346	EA	4" Caliper Aesculus glabra - Ohio Buckeye	219.68	
32 93 43 00-0347	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	248.33	
32 93 43 00-0348	EA	5" Caliper Aesculus glabra - Ohio Buckeye	286.54	
32 93 43 00-0349	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	167.15	
32 93 43 00-0350	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	186.25	
32 93 43 00-0351	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	210.13	
32 93 43 00-0352	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.78	
32 93 43 00-0353	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	286.54	
32 93 43 00-0354	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	167.15	
32 93 43 00-0355	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	186.25	
32 93 43 00-0356	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	210.13	
32 93 43 00-0357	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	238.78	
32 93 43 00-0358	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	286.54	
32 93 43 00-0359	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	119.39	
32 93 43 00-0360	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	138.49	
32 93 43 00-0361	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	157.60	
32 93 43 00-0362	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	181.47	
32 93 43 00-0363	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	124.17	
32 93 43 00-0364	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	152.82	
32 93 43 00-0365	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	171.92	
32 93 43 00-0366	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	191.03	
32 93 43 00-0367	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	214.90	
32 93 43 00-0368	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	238.78	
32 93 43 00-0369	EA	2" Caliper Betula nigra - River Birch	119.39	
32 93 43 00-0370	EA	2-1/2" Caliper Betula nigra - River Birch	135.20	
32 93 43 00-0371	EA	3" Caliper Betula nigra - River Birch	152.82	
32 93 43 00-0372	EA	3-1/2" Caliper Betula nigra - River Birch	191.03	
32 93 43 00-0373	EA	4" Caliper Betula nigra - River Birch	214.90	
32 93 43 00-0374	EA	4-1/2" Caliper Betula nigra - River Birch	238.78	
32 93 43 00-0375	EA	5" Caliper Betula nigra - River Birch	262.66	
32 93 43 00-0376	EA	8' Clump Form Betula nigra - River Birch	109.84	
32 93 43 00-0377	EA	10' Clump Form Betula nigra - River Birch	124.17	
32 93 43 00-0378	EA	12' Clump Form Betula nigra - River Birch	143.27	
32 93 43 00-0379	EA	14' Clump Form Betula nigra - River Birch	167.15	
32 93 43 00-0380	EA	16' Clump Form Betula nigra - River Birch	191.03	
32 93 43 00-0381	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	143.27	
32 93 43 00-0382	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	171.92	
32 93 43 00-0383	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	200.58	
32 93 43 00-0384	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	238.78	
32 93 43 00-0385	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	248.33	
32 93 43 00-0386	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	191.03	
32 93 43 00-0387	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	214.90	
32 93 43 00-0388	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	248.33	
32 93 43 00-0389	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	300.87	
32 93 43 00-0390	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	85.96	
32 93 43 00-0391	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	119.39	
32 93 43 00-0392	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	148.05	
32 93 43 00-0393	EA	2" Caliper Catalpa speciosa - Northern Catalpa	105.06	
32 93 43 00-0394	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa	143.27	
32 93 43 00-0395	EA	3" Caliper Catalpa speciosa - Northern Catalpa	186.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0396	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa	224.46	
32 93 43 00-0397	EA	4" Caliper Catalpa speciosa - Northern Catalpa	257.89	
32 93 43 00-0398	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	133.72	
32 93 43 00-0399	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	152.82	
32 93 43 00-0400	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	186.25	
32 93 43 00-0401	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	219.68	
32 93 43 00-0402	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	253.11	
32 93 43 00-0403	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	286.54	
32 93 43 00-0404	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	167.15	
32 93 43 00-0405	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	191.03	
32 93 43 00-0406	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	224.46	
32 93 43 00-0407	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	267.44	
32 93 43 00-0408	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	133.72	
32 93 43 00-0409	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	157.60	
32 93 43 00-0410	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	191.03	
32 93 43 00-0411	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	238.78	
32 93 43 00-0412	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	286.54	
32 93 43 00-0413	EA	2" Caliper Cladrastus lutea - American Yellowwood	238.78	
32 93 43 00-0414	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	286.54	
32 93 43 00-0415	EA	3" Caliper Cladrastus lutea - American Yellowwood	334.30	
32 93 43 00-0416	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	382.05	
32 93 43 00-0417	EA	2" Caliper Corylus colurna - Turkish Filbert	148.05	
32 93 43 00-0418	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	167.15	
32 93 43 00-0419	EA	3" Caliper Corylus colurna - Turkish Filbert	191.03	
32 93 43 00-0420	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	219.68	
32 93 43 00-0421	EA	4" Caliper Corylus colurna - Turkish Filbert	262.66	
32 93 43 00-0422	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	305.64	
32 93 43 00-0423	EA	5" Caliper Corylus colurna - Turkish Filbert	348.62	
32 93 43 00-0424	EA	8' Clump Form Corylus colurna - Turkish Filbert	133.72	
32 93 43 00-0425	EA	10' Clump Form Corylus colurna - Turkish Filbert	162.37	
32 93 43 00-0426	EA	12' Clump Form Corylus colurna - Turkish Filbert	191.03	
32 93 43 00-0427	EA	14' Clump Form Corylus colurna - Turkish Filbert	214.90	
32 93 43 00-0428	EA	16' Clump Form Corylus colurna - Turkish Filbert	238.78	
32 93 43 00-0429	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon	85.96	
32 93 43 00-0430	EA	2" Caliper Diospyros virginiana - Common Persimmon	105.06	
32 93 43 00-0431	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon	133.72	
32 93 43 00-0432	EA	3" Caliper Diospyros virginiana - Common Persimmon	167.15	
32 93 43 00-0433	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon	200.58	
32 93 43 00-0434	EA	1-1/2" Caliper Fagus grandifolia - American Beech	191.03	
32 93 43 00-0435	EA	2" Caliper Fagus grandifolia - American Beech	248.33	
32 93 43 00-0436	EA	2-1/2" Caliper Fagus grandifolia - American Beech	315.19	
32 93 43 00-0437	EA	3" Caliper Fagus grandifolia - American Beech	382.05	
32 93 43 00-0438	EA	3-1/2" Caliper Fagus grandifolia - American Beech	453.69	
32 93 43 00-0439	EA	2" Caliper Fagus sylvatica & cvs - European Beech	214.90	
32 93 43 00-0440	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	257.89	
32 93 43 00-0441	EA	3" Caliper Fagus sylvatica & cvs - European Beech	310.42	
32 93 43 00-0442	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	343.85	
32 93 43 00-0443	EA	4" Caliper Fagus sylvatica & cvs - European Beech	405.93	
32 93 43 00-0444	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	525.32	
32 93 43 00-0445	EA	5" Caliper Fagus sylvatica & cvs - European Beech	620.83	
32 93 43 00-0446	EA	2" Caliper Fraxinus americana & cvs - White Ash	119.39	
32 93 43 00-0447	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	143.27	
32 93 43 00-0448	EA	3" Caliper Fraxinus americana & cvs - White Ash	181.47	
32 93 43 00-0449	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	219.68	
32 93 43 00-0450	EA	4" Caliper Fraxinus americana & cvs - White Ash	257.89	
32 93 43 00-0451	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	286.54	
32 93 43 00-0452	EA	5" Caliper Fraxinus americana & cvs - White Ash	334.30	
32 93 43 00-0453	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	105.06	
32 93 43 00-0454	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	124.17	
32 93 43 00-0455	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	167.15	
32 93 43 00-0456	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	200.58	
32 93 43 00-0457	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	238.78	
32 93 43 00-0458	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	257.89	
32 93 43 00-0459	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	286.54	
32 93 43 00-0460	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	143.27	
32 93 43 00-0461	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	176.70	
32 93 43 00-0462	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	214.90	
32 93 43 00-0463	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	262.66	
32 93 43 00-0464	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	310.42	
32 93 43 00-0465	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	167.15	
32 93 43 00-0466	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	186.25	
32 93 43 00-0467	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	210.13	
32 93 43 00-0468	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	234.01	
32 93 43 00-0469	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	262.66	
32 93 43 00-0470	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	286.54	
32 93 43 00-0471	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	429.81	
32 93 43 00-0472	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	477.57	
32 93 43 00-0473	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	114.62	
32 93 43 00-0474	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	143.27	
32 93 43 00-0475	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	171.92	
32 93 43 00-0476	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	200.58	
32 93 43 00-0477	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	229.23	
32 93 43 00-0478	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	257.89	
32 93 43 00-0479	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	305.64	
32 93 43 00-0480	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	60.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0481	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	71.40	
32 93 43 00-0482	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	98.86	
32 93 43 00-0483	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	128.51	
32 93 43 00-0484	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	142.79	
32 93 43 00-0485	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	169.15	
32 93 43 00-0486	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	148.05	
32 93 43 00-0487	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	181.47	
32 93 43 00-0488	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	214.90	
32 93 43 00-0489	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	253.11	
32 93 43 00-0490	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	286.54	
32 93 43 00-0491	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	319.97	
32 93 43 00-0492	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	358.17	
32 93 43 00-0493	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	73.91	
32 93 43 00-0494	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	90.54	
32 93 43 00-0495	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	114.71	
32 93 43 00-0496	EA	1-1/2" Caliper Juglans cinerea - Butternut	114.62	
32 93 43 00-0497	EA	2" Caliper Juglans cinerea - Butternut	133.72	
32 93 43 00-0498	EA	2-1/2" Caliper Juglans cinerea - Butternut	167.15	
32 93 43 00-0499	EA	3" Caliper Juglans cinerea - Butternut	210.13	
32 93 43 00-0500	EA	3-1/2" Caliper Juglans cinerea - Butternut	257.89	
32 93 43 00-0501	EA	1-1/2" Caliper Juglans nigra - Black Walnut	114.62	
32 93 43 00-0502	EA	2" Caliper Juglans nigra - Black Walnut	133.72	
32 93 43 00-0503	EA	2-1/2" Caliper Juglans nigra - Black Walnut	167.15	
32 93 43 00-0504	EA	3" Caliper Juglans nigra - Black Walnut	210.13	
32 93 43 00-0505	EA	3-1/2" Caliper Juglans nigra - Black Walnut	257.89	
32 93 43 00-0506	EA	4" Caliper Juglans nigra - Black Walnut	310.42	
32 93 43 00-0507	EA	4-1/2" Caliper Juglans nigra - Black Walnut	358.17	
32 93 43 00-0508	EA	5" Caliper Juglans nigra - Black Walnut	405.93	
32 93 43 00-0509	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	12.93	
32 93 43 00-0510	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	32.32	
32 93 43 00-0511	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	64.65	
32 93 43 00-0512	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	84.04	
32 93 43 00-0513	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	61.41	
32 93 43 00-0514	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	74.34	
32 93 43 00-0515	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	103.43	
32 93 43 00-0516	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	152.82	
32 93 43 00-0517	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	191.03	
32 93 43 00-0518	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	238.78	
32 93 43 00-0519	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	286.54	
32 93 43 00-0520	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	334.30	
32 93 43 00-0521	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	152.82	
32 93 43 00-0522	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	210.13	
32 93 43 00-0523	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	248.33	
32 93 43 00-0524	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	286.54	
32 93 43 00-0525	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	324.74	
32 93 43 00-0526	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	114.62	
32 93 43 00-0527	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	205.35	
32 93 43 00-0528	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	248.33	
32 93 43 00-0529	EA	10' To 12' Swietenia Mahagoni - Mahogany	84.58	
32 93 43 00-0530	EA	12' To 14' Swietenia Mahagoni - Mahogany	98.86	
32 93 43 00-0531	EA	14' To 16' Swietenia Mahagoni - Mahogany	131.81	
32 93 43 00-0532	EA	16' To 18' Swietenia Mahagoni - Mahogany	148.28	
32 93 43 00-0533	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	152.82	
32 93 43 00-0534	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	191.03	
32 93 43 00-0535	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	238.78	
32 93 43 00-0536	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	286.54	
32 93 43 00-0537	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	334.30	
32 93 43 00-0538	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	66.86	
32 93 43 00-0539	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	76.41	
32 93 43 00-0540	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	90.74	
32 93 43 00-0541	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	114.62	
32 93 43 00-0542	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	143.27	
32 93 43 00-0543	EA	2" Caliper Ostrya virginiana - American Hophornbeam	124.17	
32 93 43 00-0544	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	157.60	
32 93 43 00-0545	EA	3" Caliper Ostrya virginiana - American Hophornbeam	191.03	
32 93 43 00-0546	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	224.46	
32 93 43 00-0547	EA	4" Caliper Ostrya virginiana - American Hophornbeam	272.21	
32 93 43 00-0548	EA	2" Caliper Phellodendron amurense - Amur Corktree	95.51	
32 93 43 00-0549	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	119.39	
32 93 43 00-0550	EA	3" Caliper Phellodendron amurense - Amur Corktree	143.27	
32 93 43 00-0551	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	167.15	
32 93 43 00-0552	EA	4" Caliper Phellodendron amurense - Amur Corktree	191.03	
32 93 43 00-0553	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	214.90	
32 93 43 00-0554	EA	5" Caliper Phellodendron amurense - Amur Corktree	238.78	
32 93 43 00-0555	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	207.48	
32 93 43 00-0556	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	301.79	
32 93 43 00-0557	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	448.93	
32 93 43 00-0558	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	69.42	
32 93 43 00-0559	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.00	
32 93 43 00-0560	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	113.17	
32 93 43 00-0561	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	137.34	
32 93 43 00-0562	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	57.12	
32 93 43 00-0563	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	71.40	
32 93 43 00-0564	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	126.32	
32 93 43 00-0565	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	181.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0566	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	114.62	
32 93 43 00-0567	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	138.49	
32 93 43 00-0568	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	167.15	
32 93 43 00-0569	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	200.58	
32 93 43 00-0570	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	238.78	
32 93 43 00-0571	EA	2" Caliper Populus alba & cvs - White Poplar	114.62	
32 93 43 00-0572	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	133.72	
32 93 43 00-0573	EA	3" Caliper Populus alba & cvs - White Poplar	152.82	
32 93 43 00-0574	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	181.47	
32 93 43 00-0575	EA	4" Caliper Populus alba & cvs - White Poplar	200.58	
32 93 43 00-0576	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	229.23	
32 93 43 00-0577	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	105.06	
32 93 43 00-0578	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	138.49	
32 93 43 00-0579	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	167.15	
32 93 43 00-0580	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	200.58	
32 93 43 00-0581	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	238.78	
32 93 43 00-0582	EA	6' To 8' Quercus acutissima - Sawtooth Oak	35.91	
32 93 43 00-0583	EA	8' To 10' Quercus acutissima - Sawtooth Oak	53.87	
32 93 43 00-0584	EA	10' To 12' Quercus acutissima - Sawtooth Oak	62.85	
32 93 43 00-0585	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	71.83	
32 93 43 00-0586	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	80.81	
32 93 43 00-0587	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	284.44	
32 93 43 00-0588	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	383.34	
32 93 43 00-0589	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	518.44	
32 93 43 00-0590	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	691.99	
32 93 43 00-0591	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	834.78	
32 93 43 00-0592	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	922.66	
32 93 43 00-0593	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,241.19	
32 93 43 00-0594	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,559.73	
32 93 43 00-0595	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	1,878.26	
32 93 43 00-0596	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,279.18	
32 93 43 00-0597	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	2,680.10	
32 93 43 00-0598	EA	2" Caliper Quercus alba - White Oak	143.27	
32 93 43 00-0599	EA	2-1/2" Caliper Quercus alba - White Oak	167.15	
32 93 43 00-0600	EA	3" Caliper Quercus alba - White Oak	210.13	
32 93 43 00-0601	EA	3-1/2" Caliper Quercus alba - White Oak	262.66	
32 93 43 00-0602	EA	4" Caliper Quercus alba - White Oak	310.42	
32 93 43 00-0603	EA	4-1/2" Caliper Quercus alba - White Oak	382.05	
32 93 43 00-0604	EA	5" Caliper Quercus alba - White Oak	453.69	
32 93 43 00-0605	EA	2" Caliper Quercus bicolor - Swamp White Oak	167.15	
32 93 43 00-0606	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	191.03	
32 93 43 00-0607	EA	3" Caliper Quercus bicolor - Swamp White Oak	219.68	
32 93 43 00-0608	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	243.56	
32 93 43 00-0609	EA	4" Caliper Quercus bicolor - Swamp White Oak	276.99	
32 93 43 00-0610	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	305.64	
32 93 43 00-0611	EA	5" Caliper Quercus bicolor - Swamp White Oak	343.85	
32 93 43 00-0612	EA	10' Clump Form Quercus bicolor - Swamp White Oak	238.78	
32 93 43 00-0613	EA	12' Clump Form Quercus bicolor - Swamp White Oak	286.54	
32 93 43 00-0614	EA	14' Clump Form Quercus bicolor - Swamp White Oak	334.30	
32 93 43 00-0615	EA	16' Clump Form Quercus bicolor - Swamp White Oak	382.05	
32 93 43 00-0616	EA	2" Caliper Quercus coccinea - Scarlet Oak	124.17	
32 93 43 00-0617	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	157.60	
32 93 43 00-0618	EA	3" Caliper Quercus coccinea - Scarlet Oak	195.80	
32 93 43 00-0619	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	238.78	
32 93 43 00-0620	EA	4" Caliper Quercus coccinea - Scarlet Oak	286.54	
32 93 43 00-0621	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	339.07	
32 93 43 00-0622	EA	5" Caliper Quercus coccinea - Scarlet Oak	396.38	
32 93 43 00-0623	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	124.17	
32 93 43 00-0624	EA	2" Caliper Quercus imbricaria - Shingle Oak	167.15	
32 93 43 00-0625	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	224.46	
32 93 43 00-0626	EA	3" Caliper Quercus imbricaria - Shingle Oak	334.30	
32 93 43 00-0627	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	453.69	
32 93 43 00-0628	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	124.17	
32 93 43 00-0629	EA	2" Caliper Quercus macrocarpa - Bur Oak	148.05	
32 93 43 00-0630	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	176.70	
32 93 43 00-0631	EA	3" Caliper Quercus macrocarpa - Bur Oak	214.90	
32 93 43 00-0632	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	262.66	
32 93 43 00-0633	EA	4" Caliper Quercus macrocarpa - Bur Oak	310.42	
32 93 43 00-0634	EA	9' Clump Form Quercus macrocarpa - Bur Oak	286.54	
32 93 43 00-0635	EA	10' Clump Form Quercus macrocarpa - Bur Oak	334.30	
32 93 43 00-0636	EA	12' Clump Form Quercus macrocarpa - Bur Oak	382.05	
32 93 43 00-0637	EA	2" Caliper Quercus palustris - Pin Oak	105.06	
32 93 43 00-0638	EA	2-1/2" Caliper Quercus palustris - Pin Oak	143.27	
32 93 43 00-0639	EA	3" Caliper Quercus palustris - Pin Oak	186.25	
32 93 43 00-0640	EA	3-1/2" Caliper Quercus palustris - Pin Oak	214.90	
32 93 43 00-0641	EA	4" Caliper Quercus palustris - Pin Oak	248.33	
32 93 43 00-0642	EA	4-1/2" Caliper Quercus palustris - Pin Oak	281.76	
32 93 43 00-0643	EA	5" Caliper Quercus palustris - Pin Oak	310.42	
32 93 43 00-0644	EA	2" Caliper Quercus robur & cvs - English Oak	124.17	
32 93 43 00-0645	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	152.82	
32 93 43 00-0646	EA	3" Caliper Quercus robur & cvs - English Oak	181.47	
32 93 43 00-0647	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	214.90	
32 93 43 00-0648	EA	4" Caliper Quercus robur & cvs - English Oak	248.33	
32 93 43 00-0649	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	286.54	
32 93 43 00-0650	EA	5" Caliper Quercus robur & cvs - English Oak	324.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0651	EA	2" Caliper Quercus rubra - Red Oak	143.27	
32 93 43 00-0652	EA	2-1/2" Caliper Quercus rubra - Red Oak	167.15	
32 93 43 00-0653	EA	3" Caliper Quercus rubra - Red Oak	200.58	
32 93 43 00-0654	EA	3-1/2" Caliper Quercus rubra - Red Oak	238.78	
32 93 43 00-0655	EA	4" Caliper Quercus rubra - Red Oak	286.54	
32 93 43 00-0656	EA	4-1/2" Caliper Quercus rubra - Red Oak	334.30	
32 93 43 00-0657	EA	5" Caliper Quercus rubra - Red Oak	382.05	
32 93 43 00-0658	EA	16' Clump Form Quercus rubra - Red Oak	310.42	
32 93 43 00-0659	EA	18' Clump Form Quercus rubra - Red Oak	372.50	
32 93 43 00-0660	EA	20' Clump Form Quercus rubra - Red Oak	415.48	
32 93 43 00-0661	EA	2" Caliper Quercus shumardii - Shumard Oak	162.37	
32 93 43 00-0662	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	205.35	
32 93 43 00-0663	EA	3" Caliper Quercus shumardii - Shumard Oak	238.78	
32 93 43 00-0664	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	286.54	
32 93 43 00-0665	EA	4" Caliper Quercus shumardii - Shumard Oak	334.30	
32 93 43 00-0666	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	382.05	
32 93 43 00-0667	EA	5" Caliper Quercus shumardii - Shumard Oak	429.81	
32 93 43 00-0668	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	143.27	
32 93 43 00-0669	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	171.92	
32 93 43 00-0670	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	214.90	
32 93 43 00-0671	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	262.66	
32 93 43 00-0672	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	305.64	
32 93 43 00-0673	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	343.85	
32 93 43 00-0674	EA	24" Box Salix babylonica - Weeping Willow	120.71	
32 93 43 00-0675	EA	36" Box Salix babylonica - Weeping Willow	301.79	
32 93 43 00-0676	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	69.42	
32 93 43 00-0677	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	83.00	
32 93 43 00-0678	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	90.54	
32 93 43 00-0679	EA	2" Caliper Salix alba & cvs - White Willow	76.41	
32 93 43 00-0680	EA	2-1/2" Caliper Salix alba & cvs - White Willow	90.74	
32 93 43 00-0681	EA	3" Caliper Salix alba & cvs - White Willow	119.39	
32 93 43 00-0682	EA	3-1/2" Caliper Salix alba & cvs - White Willow	143.27	
32 93 43 00-0683	EA	4" Caliper Salix alba & cvs - White Willow	171.92	
32 93 43 00-0684	EA	4-1/2" Caliper Salix alba & cvs - White Willow	200.58	
32 93 43 00-0685	EA	5" Caliper Salix alba & cvs - White Willow	229.23	
32 93 43 00-0686	EA	5' Clump Form Sassafras albidum - Common Sassafras	90.74	
32 93 43 00-0687	EA	6' Clump Form Sassafras albidum - Common Sassafras	109.84	
32 93 43 00-0688	EA	7' Clump Form Sassafras albidum - Common Sassafras	138.49	
32 93 43 00-0689	EA	8' Clump Form Sassafras albidum - Common Sassafras	157.60	
32 93 43 00-0690	EA	10' Clump Form Sassafras albidum - Common Sassafras	176.70	
32 93 43 00-0691	EA	12' Clump Form Sassafras albidum - Common Sassafras	214.90	
32 93 43 00-0692	EA	14' Clump Form Sassafras albidum - Common Sassafras	262.66	
32 93 43 00-0693	EA	16' Clump Form Sassafras albidum - Common Sassafras	310.42	
32 93 43 00-0694	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	158.17	
32 93 43 00-0695	EA	2" Caliper Sophora japonica - Chinese Scholar	175.74	
32 93 43 00-0696	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	236.16	
32 93 43 00-0697	EA	3" Caliper Sophora japonica - Chinese Scholar	307.55	
32 93 43 00-0698	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	356.98	
32 93 43 00-0699	EA	2" Caliper Taxodium distichum - Common Bald Cypress	119.39	
32 93 43 00-0700	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	138.49	
32 93 43 00-0701	EA	3" Caliper Taxodium distichum - Common Bald Cypress	167.15	
32 93 43 00-0702	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	191.03	
32 93 43 00-0703	EA	4" Caliper Taxodium distichum - Common Bald Cypress	210.13	
32 93 43 00-0704	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	105.06	
32 93 43 00-0705	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	119.39	
32 93 43 00-0706	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	171.92	
32 93 43 00-0707	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	191.03	
32 93 43 00-0708	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	214.90	
32 93 43 00-0709	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	248.33	
32 93 43 00-0710	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	286.54	
32 93 43 00-0711	EA	2' Thuja occidentalis - American Arborviatae	16.37	
32 93 43 00-0712	EA	2-1/2' Thuja occidentalis - American Arborviatae	17.68	
32 93 43 00-0713	EA	3' Thuja occidentalis - American Arborviatae	25.26	
32 93 43 00-0714	EA	4' Thuja occidentalis - American Arborviatae	34.71	
32 93 43 00-0715	EA	5' Thuja occidentalis - American Arborviatae	48.33	
32 93 43 00-0716	EA	6' Thuja occidentalis - American Arborviatae	67.00	
32 93 43 00-0717	EA	7' Thuja occidentalis - American Arborviatae	81.28	
32 93 43 00-0718	EA	8' Thuja occidentalis - American Arborviatae	114.23	
32 93 43 00-0719	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	119.39	
32 93 43 00-0720	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	138.49	
32 93 43 00-0721	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	176.70	
32 93 43 00-0722	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	205.35	
32 93 43 00-0723	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	234.01	
32 93 43 00-0724	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	262.66	
32 93 43 00-0725	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	286.54	
32 93 43 00-0726	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	152.82	
32 93 43 00-0727	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	167.15	
32 93 43 00-0728	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	191.03	
32 93 43 00-0729	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	219.68	
32 93 43 00-0730	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	120.11	
32 93 43 00-0731	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	145.08	
32 93 43 00-0732	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	167.15	
32 93 43 00-0733	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	205.35	
32 93 43 00-0734	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	234.01	
32 93 43 00-0735	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	262.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0736	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	291.31	
32 93 43 00-0737	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	133.72	
32 93 43 00-0738	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	148.05	
32 93 43 00-0739	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	162.37	
32 93 43 00-0740	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	181.47	
32 93 43 00-0741	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	210.13	
32 93 43 00-0742	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	248.33	
32 93 43 00-0743	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	324.74	
32 93 43 00-0744	EA	2" Caliper Tilia x euchlora - Crimean Linden	133.72	
32 93 43 00-0745	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	171.92	
32 93 43 00-0746	EA	3" Caliper Tilia x euchlora - Crimean Linden	210.13	
32 93 43 00-0747	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	238.78	
32 93 43 00-0748	EA	4" Caliper Tilia x euchlora - Crimean Linden	267.44	
32 93 43 00-0749	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	300.87	
32 93 43 00-0750	EA	5" Caliper Tilia x euchlora - Crimean Linden	324.74	
32 93 43 00-0751	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	133.72	
32 93 43 00-0752	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	152.82	
32 93 43 00-0753	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	167.15	
32 93 43 00-0754	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	181.47	
32 93 43 00-0755	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	200.58	
32 93 43 00-0756	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	238.78	
32 93 43 00-0757	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	281.76	
32 93 43 00-0758	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	152.82	
32 93 43 00-0759	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	167.15	
32 93 43 00-0760	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	181.47	
32 93 43 00-0761	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	200.58	
32 93 43 00-0762	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	238.78	
32 93 43 00-0763	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	281.76	
32 93 43 00-0764	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	324.74	
32 93 43 00-0765	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	152.82	
32 93 43 00-0766	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	167.15	
32 93 43 00-0767	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	181.47	
32 93 43 00-0768	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	200.58	
32 93 43 00-0769	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	238.78	
32 93 43 00-0770	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	281.76	
32 93 43 00-0771	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	324.74	

32 93 43 00-0772 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0773	EA	6' Abies balsamea - Balsam Fir	69.81	
32 93 43 00-0774	EA	7' Abies balsamea - Balsam Fir	87.26	
32 93 43 00-0775	EA	8' Abies balsamea - Balsam Fir	104.71	
32 93 43 00-0776	EA	9' Abies balsamea - Balsam Fir	139.62	
32 93 43 00-0777	EA	10' Abies balsamea - Balsam Fir	174.52	
32 93 43 00-0778	EA	12' Abies balsamea - Balsam Fir	209.43	
32 93 43 00-0779	EA	6' Abies concolor - White Fir	101.22	
32 93 43 00-0780	EA	7' Abies concolor - White Fir	115.18	
32 93 43 00-0781	EA	8' Abies concolor - White Fir	136.13	
32 93 43 00-0782	EA	9' Abies concolor - White Fir	157.07	
32 93 43 00-0783	EA	10' Abies concolor - White Fir	184.99	
32 93 43 00-0784	EA	12' Abies concolor - White Fir	226.88	
32 93 43 00-0785	EA	14' Abies concolor - White Fir	279.23	
32 93 43 00-0786	EA	16' Abies concolor - White Fir	314.14	
32 93 43 00-0787	EA	6' Abies fraseri - Frasier Fir	69.81	
32 93 43 00-0788	EA	7' Abies fraseri - Frasier Fir	87.26	
32 93 43 00-0789	EA	8' Abies fraseri - Frasier Fir	104.71	
32 93 43 00-0790	EA	9' Abies fraseri - Frasier Fir	139.62	
32 93 43 00-0791	EA	10' Abies fraseri - Frasier Fir	174.52	
32 93 43 00-0792	EA	12' Abies fraseri - Frasier Fir	209.43	
32 93 43 00-0793	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	12.57	
32 93 43 00-0794	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	20.21	
32 93 43 00-0795	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	30.03	
32 93 43 00-0796	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	40.40	
32 93 43 00-0797	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	57.35	
32 93 43 00-0798	EA	6' To 8' Cedrus deodara - Indian Cedar	51.90	
32 93 43 00-0799	EA	8' To 10' Cedrus deodara - Indian Cedar	60.08	
32 93 43 00-0800	EA	10' To 12' Cedrus deodara - Indian Cedar	81.92	
32 93 43 00-0801	EA	12' To 14' Cedrus deodara - Indian Cedar	106.49	
32 93 43 00-0802	EA	14' To 16' Cedrus deodara - Indian Cedar	136.55	
32 93 43 00-0803	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	16.22	
32 93 43 00-0804	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	24.33	
32 93 43 00-0805	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	37.85	
32 93 43 00-0806	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	64.89	
32 93 43 00-0807	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	19.66	
32 93 43 00-0808	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	30.61	
32 93 43 00-0809	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	38.22	
32 93 43 00-0810	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	54.62	
32 93 43 00-0811	EA	1 Gallon Cleyera japonica - Japanese Cleyera	2.21	
32 93 43 00-0812	EA	3 Gallon Cleyera japonica - Japanese Cleyera	5.55	
32 93 43 00-0813	EA	7 Gallon Cleyera japonica - Japanese Cleyera	15.90	
32 93 43 00-0814	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	8.92	
32 93 43 00-0815	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	35.70	
32 93 43 00-0816	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	15.62	
32 93 43 00-0817	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	20.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0818	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	31.24	
32 93 43 00-0819	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	75.86	
32 93 43 00-0820	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.63	
32 93 43 00-0821	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	7.32	
32 93 43 00-0822	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	24.41	
32 93 43 00-0823	EA	5 Gallon Cupressus sempervirens - Italian Cypress	8.40	
32 93 43 00-0824	EA	15 Gallon Cupressus sempervirens - Italian Cypress	23.10	
32 93 43 00-0825	EA	1 Gallon Illicium anisatum - Anise Tree	2.40	
32 93 43 00-0826	EA	3 Gallon Illicium anisatum - Anise Tree	5.55	
32 93 43 00-0827	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	2.47	
32 93 43 00-0828	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.83	
32 93 43 00-0829	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.98	
32 93 43 00-0830	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	7.03	
32 93 43 00-0831	EA	1 Gallon Juniperus - Blue Sargent Juniper	2.47	
32 93 43 00-0832	EA	2 Gallon Juniperus - Blue Sargent Juniper	4.83	
32 93 43 00-0833	EA	3 Gallon Juniperus - Blue Sargent Juniper	5.98	
32 93 43 00-0834	EA	5 Gallon Juniperus - Blue Sargent Juniper	7.03	
32 93 43 00-0835	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	7.03	
32 93 43 00-0836	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	7.61	
32 93 43 00-0837	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	9.19	
32 93 43 00-0838	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	13.65	
32 93 43 00-0839	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0840	EA	5' To 6' Juniperus - Fairview Juniper	23.54	
32 93 43 00-0841	EA	1 Gallon Juniperus - Hollywood Juniper	3.15	
32 93 43 00-0842	EA	5 Gallon Juniperus - Hollywood Juniper	8.77	
32 93 43 00-0843	EA	15 Gallon Juniperus - Hollywood Juniper	37.17	
32 93 43 00-0844	EA	4' To 5' Juniperus - Hollywood Juniper	24.57	
32 93 43 00-0845	EA	5' To 6' Juniperus - Hollywood Juniper	31.66	
32 93 43 00-0846	EA	1 Gallon Juniperus - Parson's Juniper	2.47	
32 93 43 00-0847	EA	2 Gallon Juniperus - Parson's Juniper	4.88	
32 93 43 00-0848	EA	3 Gallon Juniperus - Parson's Juniper	6.04	
32 93 43 00-0849	EA	5 Gallon Juniperus - Parson's Juniper	7.14	
32 93 43 00-0850	EA	5 Gallon Juniperus - Skyrocket Juniper	8.82	
32 93 43 00-0851	EA	15 Gallon Juniperus - Skyrocket Juniper	37.54	
32 93 43 00-0852	EA	2' To 3' Juniperus - Skyrocket Juniper	13.23	
32 93 43 00-0853	EA	3' To 4' Juniperus - Skyrocket Juniper	18.74	
32 93 43 00-0854	EA	4' To 5' Juniperus - Skyrocket Juniper	24.83	
32 93 43 00-0855	EA	5' To 6' Juniperus - Skyrocket Juniper	32.02	
32 93 43 00-0856	EA	6' To 8' Juniperus - Skyrocket Juniper	41.37	
32 93 43 00-0857	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.47	
32 93 43 00-0858	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.86	
32 93 43 00-0859	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.96	
32 93 43 00-0860	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	7.06	
32 93 43 00-0861	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.47	
32 93 43 00-0862	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.86	
32 93 43 00-0863	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.96	
32 93 43 00-0864	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	7.06	
32 93 43 00-0865	EA	2' To 3' Juniperus Virginiana - Eastern Red Cedar	13.23	
32 93 43 00-0866	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	18.74	
32 93 43 00-0867	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	24.83	
32 93 43 00-0868	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	32.02	
32 93 43 00-0869	EA	5' Picea abies & cvs - Norway Spruce	76.79	
32 93 43 00-0870	EA	6' Picea abies & cvs - Norway Spruce	87.26	
32 93 43 00-0871	EA	7' Picea abies & cvs - Norway Spruce	104.71	
32 93 43 00-0872	EA	8' Picea abies & cvs - Norway Spruce	122.17	
32 93 43 00-0873	EA	9' Picea abies & cvs - Norway Spruce	164.05	
32 93 43 00-0874	EA	10' Picea abies & cvs - Norway Spruce	198.95	
32 93 43 00-0875	EA	12' Picea abies & cvs - Norway Spruce	244.33	
32 93 43 00-0876	EA	14' Picea abies & cvs - Norway Spruce	296.69	
32 93 43 00-0877	EA	6' Picea glauca - White Spruce	73.30	
32 93 43 00-0878	EA	7' Picea glauca - White Spruce	104.71	
32 93 43 00-0879	EA	8' Picea glauca - White Spruce	122.17	
32 93 43 00-0880	EA	9' Picea glauca - White Spruce	146.60	
32 93 43 00-0881	EA	10' Picea glauca - White Spruce	174.52	
32 93 43 00-0882	EA	12' Picea glauca - White Spruce	209.43	
32 93 43 00-0883	EA	4' Picea glauca densata - Black Hills Spruce	41.89	
32 93 43 00-0884	EA	5' Picea glauca densata - Black Hills Spruce	62.83	
32 93 43 00-0885	EA	6' Picea glauca densata - Black Hills Spruce	94.24	
32 93 43 00-0886	EA	7' Picea glauca densata - Black Hills Spruce	111.69	
32 93 43 00-0887	EA	8' Picea glauca densata - Black Hills Spruce	129.15	
32 93 43 00-0888	EA	9' Picea glauca densata - Black Hills Spruce	143.11	
32 93 43 00-0889	EA	10' Picea glauca densata - Black Hills Spruce	157.07	
32 93 43 00-0890	EA	6' Picea omorika & cvs - Serbian Spruce	94.24	
32 93 43 00-0891	EA	7' Picea omorika & cvs - Serbian Spruce	104.71	
32 93 43 00-0892	EA	8' Picea omorika & cvs - Serbian Spruce	125.66	
32 93 43 00-0893	EA	9' Picea omorika & cvs - Serbian Spruce	146.60	
32 93 43 00-0894	EA	10' Picea omorika & cvs - Serbian Spruce	167.54	
32 93 43 00-0895	EA	5' Picea pungens - Colorado Green Spruce	76.79	
32 93 43 00-0896	EA	6' Picea pungens - Colorado Green Spruce	97.73	
32 93 43 00-0897	EA	7' Picea pungens - Colorado Green Spruce	115.18	
32 93 43 00-0898	EA	8' Picea pungens - Colorado Green Spruce	132.64	
32 93 43 00-0899	EA	9' Picea pungens - Colorado Green Spruce	153.58	
32 93 43 00-0900	EA	10' Picea pungens - Colorado Green Spruce	289.71	
32 93 43 00-0901	EA	12' Picea pungens - Colorado Green Spruce	209.43	
32 93 43 00-0902	EA	14' Picea pungens - Colorado Green Spruce	244.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0903	EA	16' Picea pungens - Colorado Green Spruce	314.14	
32 93 43 00-0904	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	76.79	
32 93 43 00-0905	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	104.71	
32 93 43 00-0906	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	122.17	
32 93 43 00-0907	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	139.62	
32 93 43 00-0908	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	157.07	
32 93 43 00-0909	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	191.97	
32 93 43 00-0910	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	244.33	
32 93 43 00-0911	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	366.50	
32 93 43 00-0912	EA	2' Pinus strobus - Pyramidal White Pine	9.67	
32 93 43 00-0913	EA	3' Pinus strobus - Pyramidal White Pine	12.92	
32 93 43 00-0914	EA	4' Pinus strobus - Pyramidal White Pine	14.25	
32 93 43 00-0915	EA	5' Pinus strobus - Pyramidal White Pine	15.58	
32 93 43 00-0916	EA	6' Pinus strobus - Pyramidal White Pine	19.42	
32 93 43 00-0917	EA	7' Pinus strobus - Pyramidal White Pine	25.83	
32 93 43 00-0918	EA	8' Pinus strobus - Pyramidal White Pine	35.50	
32 93 43 00-0919	EA	10' Pinus strobus - Pyramidal White Pine	70.83	
32 93 43 00-0920	EA	12' Pinus strobus - Pyramidal White Pine	168.33	
32 93 43 00-0921	EA	14' Pinus strobus - Pyramidal White Pine	225.83	
32 93 43 00-0922	EA	16' Pinus strobus - Pyramidal White Pine	271.66	
32 93 43 00-0923	EA	2' Pinus strobus - White Pine	14.85	
32 93 43 00-0924	EA	3' Pinus strobus - White Pine	21.19	
32 93 43 00-0925	EA	4' Pinus strobus - White Pine	33.80	
32 93 43 00-0926	EA	5' Pinus strobus - White Pine	48.17	
32 93 43 00-0927	EA	6' Pinus strobus - White Pine	70.65	
32 93 43 00-0928	EA	7' Pinus strobus - White Pine	84.29	
32 93 43 00-0929	EA	8' Pinus strobus - White Pine	114.00	
32 93 43 00-0930	EA	10' Pinus strobus - White Pine	153.33	
32 93 43 00-0931	EA	12' Pinus strobus - White Pine	203.11	
32 93 43 00-0932	EA	14' Pinus strobus - White Pine	248.87	
32 93 43 00-0933	EA	16' Pinus strobus - White Pine	302.66	
32 93 43 00-0934	EA	3' Pinus sylvestris - Scotch Pine	22.93	
32 93 43 00-0935	EA	4' Pinus sylvestris - Scotch Pine	31.83	
32 93 43 00-0936	EA	5' Pinus sylvestris - Scotch Pine	44.68	
32 93 43 00-0937	EA	6' Pinus sylvestris - Scotch Pine	61.99	
32 93 43 00-0938	EA	7' Pinus sylvestris - Scotch Pine	75.95	
32 93 43 00-0939	EA	8' Pinus sylvestris - Scotch Pine	107.23	
32 93 43 00-0940	EA	9' Pinus sylvestris - Scotch Pine	136.13	
32 93 43 00-0941	EA	10' Pinus sylvestris - Scotch Pine	157.07	
32 93 43 00-0942	EA	12' Pinus sylvestris - Scotch Pine	184.99	
32 93 43 00-0943	EA	14' Pinus sylvestris - Scotch Pine	209.43	
32 93 43 00-0944	EA	16' Pinus sylvestris - Scotch Pine	244.33	
32 93 43 00-0945	EA	5' To 6' Pinus taeda - Loblolly Pine	9.98	
32 93 43 00-0946	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.47	
32 93 43 00-0947	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	8.77	
32 93 43 00-0948	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	28.40	
32 93 43 00-0949	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	12.02	
32 93 43 00-0950	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	15.28	
32 93 43 00-0951	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	22.94	
32 93 43 00-0952	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	44.78	
32 93 43 00-0953	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	50.24	
32 93 43 00-0954	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	62.79	
32 93 43 00-0955	EA	4' Pinus cembra - Swiss Stone Pine	59.34	
32 93 43 00-0956	EA	5' Pinus cembra - Swiss Stone Pine	73.30	
32 93 43 00-0957	EA	6' Pinus cembra - Swiss Stone Pine	90.75	
32 93 43 00-0958	EA	6' Pinus flexilis & cvs - Limber Pine	87.26	
32 93 43 00-0959	EA	7' Pinus flexilis & cvs - Limber Pine	101.22	
32 93 43 00-0960	EA	8' Pinus flexilis & cvs - Limber Pine	125.66	
32 93 43 00-0961	EA	9' Pinus flexilis & cvs - Limber Pine	153.58	
32 93 43 00-0962	EA	10' Pinus flexilis & cvs - Limber Pine	174.52	
32 93 43 00-0963	EA	1 Gallon Pinus mugo - Mugho Pine	3.25	
32 93 43 00-0964	EA	2 Gallon Pinus mugo - Mugho Pine	6.88	
32 93 43 00-0965	EA	3 Gallon Pinus mugo - Mugho Pine	8.61	
32 93 43 00-0966	EA	5 Gallon Pinus mugo - Mugho Pine	10.92	
32 93 43 00-0967	EA	12" To 15" Spread Pinus mugo - Mugho Pine	8.45	
32 93 43 00-0968	EA	15" To 18" Spread Pinus mugo - Mugho Pine	10.08	
32 93 43 00-0969	EA	18" To 24" Spread Pinus mugo - Mugho Pine	13.65	
32 93 43 00-0970	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	19.11	
32 93 43 00-0971	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	24.57	
32 93 43 00-0972	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	30.61	
32 93 43 00-0973	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	37.17	
32 93 43 00-0974	EA	6' Pinus nigra - Austrian Pine	87.26	
32 93 43 00-0975	EA	7' Pinus nigra - Austrian Pine	104.71	
32 93 43 00-0976	EA	8' Pinus nigra - Austrian Pine	136.13	
32 93 43 00-0977	EA	9' Pinus nigra - Austrian Pine	157.07	
32 93 43 00-0978	EA	10' Pinus nigra - Austrian Pine	184.99	
32 93 43 00-0979	EA	12' Pinus nigra - Austrian Pine	209.43	
32 93 43 00-0980	EA	14' Pinus nigra - Austrian Pine	233.86	
32 93 43 00-0981	EA	16' Pinus nigra - Austrian Pine	265.27	
32 93 43 00-0982	EA	5' Pinus peuce - Macedonian Pine	108.20	
32 93 43 00-0983	EA	6' Pinus peuce - Macedonian Pine	136.13	
32 93 43 00-0984	EA	7' Pinus peuce - Macedonian Pine	157.07	
32 93 43 00-0985	EA	8' Pinus peuce - Macedonian Pine	178.01	
32 93 43 00-0986	EA	9' Pinus peuce - Macedonian Pine	205.94	
32 93 43 00-0987	EA	1 Gallon Podocarpus - Chinese Podocarpus	1.63	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0988	EA	3 Gallon Podocarpus - Chinese Podocarpus	3.78	
32 93 43 00-0989	EA	7 Gallon Podocarpus - Chinese Podocarpus	10.92	
32 93 43 00-0990	EA	15 Gallon Podocarpus - Chinese Podocarpus	17.74	
32 93 43 00-0991	EA	4' To 5' Podocarpus - Chinese Podocarpus	27.30	
32 93 43 00-0992	EA	5' Pseudotsuga menziesii - Douglas Fir	69.81	
32 93 43 00-0993	EA	6' Pseudotsuga menziesii - Douglas Fir	83.77	
32 93 43 00-0994	EA	7' Pseudotsuga menziesii - Douglas Fir	104.71	
32 93 43 00-0995	EA	8' Pseudotsuga menziesii - Douglas Fir	125.66	
32 93 43 00-0996	EA	9' Pseudotsuga menziesii - Douglas Fir	157.07	
32 93 43 00-0997	EA	10' Pseudotsuga menziesii - Douglas Fir	184.99	
32 93 43 00-0998	EA	12' Pseudotsuga menziesii - Douglas Fir	209.43	
32 93 43 00-0999	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	34.12	
32 93 43 00-1000	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	46.07	
32 93 43 00-1001	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	56.30	
32 93 43 00-1002	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	6.58	
32 93 43 00-1003	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	24.25	
32 93 43 00-1004	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	30.32	
32 93 43 00-1005	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	37.48	
32 93 43 00-1006	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	47.43	
32 93 43 00-1007	EA	6' Tsuga canadensis - Northern Hemlock	69.81	
32 93 43 00-1008	EA	7' Tsuga canadensis - Northern Hemlock	87.26	
32 93 43 00-1009	EA	8' Tsuga canadensis - Northern Hemlock	118.67	
32 93 43 00-1010	EA	9' Tsuga canadensis - Northern Hemlock	139.62	
32 93 43 00-1011	EA	10' Tsuga canadensis - Northern Hemlock	157.07	
32 93 43 00-1012	EA	12' Tsuga canadensis - Northern Hemlock	174.52	
32 93 43 00-1013	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	30.16	

32 93 83 Planting Of Trees, Shrubs And Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.07
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.73
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.16
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.45
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	17.25
		For >10 To 25, Deduct	*-0.86*
		For >25 To 50, Deduct	*-2.16*
		For >50 To 100, Deduct	*-3.45*
		For >100, Deduct	*-5.18*
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	24.15
		For >10 To 25, Deduct	*-1.21*
		For >25 To 50, Deduct	*-3.02*
		For >50 To 100, Deduct	*-4.83*
		For >100, Deduct	*-7.25*
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	31.05
		For >10 To 25, Deduct	*-1.55*
		For >25 To 50, Deduct	*-3.88*
		For >50 To 100, Deduct	*-6.21*
		For >100, Deduct	*-9.32*
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	51.75
		For >10 To 25, Deduct	*-2.59*
		For >25 To 50, Deduct	*-6.47*
		For >50 To 100, Deduct	*-10.35*
		For >100, Deduct	*-15.53*
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	69.01
		For >10 To 25, Deduct	*-3.45*
		For >25 To 50, Deduct	*-8.63*
		For >50 To 100, Deduct	*-13.80*
		For >100, Deduct	*-20.70*
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	89.70
		For >10 To 25, Deduct	*-4.49*
		For >25 To 50, Deduct	*-11.21*
		For >50 To 100, Deduct	*-17.94*
		For >100, Deduct	*-26.91*
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	127.65
		For >10 To 25, Deduct	*-6.38*
		For >25 To 50, Deduct	*-15.96*
		For >50 To 100, Deduct	*-25.53*
		For >100, Deduct	*-38.30*
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	210.46
		For >10 To 25, Deduct	*-10.52*
		For >25 To 50, Deduct	*-26.31*
		For >50 To 100, Deduct	*-42.09*
		For >100, Deduct	*-63.14*
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	272.56
		For >10 To 25, Deduct	*-13.63*
		For >25 To 50, Deduct	*-34.07*
		For >50 To 100, Deduct	*-54.51*
		For >100, Deduct	*-81.77*
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	327.76
		For >10 To 25, Deduct	*-16.39*
		For >25 To 50, Deduct	*-40.97*
		For >50 To 100, Deduct	*-65.55*
		For >100, Deduct	*-98.33*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	407.11	
		For >10 To 25, Deduct	*-20.36*	
		For >25 To 50, Deduct	*-50.89*	
		For >50 To 100, Deduct	*-81.42*	
		For >100, Deduct	*-122.13*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	483.02	
		For >10 To 25, Deduct	*-24.15*	
		For >25 To 50, Deduct	*-60.38*	
		For >50 To 100, Deduct	*-96.60*	
		For >100, Deduct	*-144.91*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	172.50	
		For >10 To 25, Deduct	*-8.63*	
		For >25 To 50, Deduct	*-21.56*	
		For >50 To 100, Deduct	*-34.50*	
		For >100, Deduct	*-51.75*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	229.79	
		For >10 To 25, Deduct	*-11.49*	
		For >25 To 50, Deduct	*-28.72*	
		For >50 To 100, Deduct	*-45.96*	
		For >100, Deduct	*-68.94*	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	258.77	
		For >10 To 25, Deduct	*-12.94*	
		For >25 To 50, Deduct	*-32.35*	
		For >50 To 100, Deduct	*-51.75*	
		For >100, Deduct	*-77.63*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	301.89	
		For >10 To 25, Deduct	*-15.09*	
		For >25 To 50, Deduct	*-37.74*	
		For >50 To 100, Deduct	*-60.38*	
		For >100, Deduct	*-90.57*	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	403.67	
		For >10 To 25, Deduct	*-20.18*	
		For >25 To 50, Deduct	*-50.46*	
		For >50 To 100, Deduct	*-80.73*	
		For >100, Deduct	*-121.10*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	462.32	
		For >10 To 25, Deduct	*-23.12*	
		For >25 To 50, Deduct	*-57.79*	
		For >50 To 100, Deduct	*-92.46*	
		For >100, Deduct	*-138.70*	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	560.65	
		For >10 To 25, Deduct	*-28.03*	
		For >25 To 50, Deduct	*-70.08*	
		For >50 To 100, Deduct	*-112.13*	
		For >100, Deduct	*-168.20*	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	672.78	
		For >10 To 25, Deduct	*-33.64*	
		For >25 To 50, Deduct	*-84.10*	
		For >50 To 100, Deduct	*-134.56*	
		For >100, Deduct	*-201.83*	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	776.29	
		For >10 To 25, Deduct	*-38.81*	
		For >25 To 50, Deduct	*-97.04*	
		For >50 To 100, Deduct	*-155.26*	
		For >100, Deduct	*-232.89*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	258.77	
		For >10 To 25, Deduct	*-12.94*	
		For >25 To 50, Deduct	*-32.35*	
		For >50 To 100, Deduct	*-51.75*	
		For >100, Deduct	*-77.63*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	301.89	
		For >10 To 25, Deduct	*-15.09*	
		For >25 To 50, Deduct	*-37.74*	
		For >50 To 100, Deduct	*-60.38*	
		For >100, Deduct	*-90.57*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	405.39	
		For >10 To 25, Deduct	*-20.27*	
		For >25 To 50, Deduct	*-50.67*	
		For >50 To 100, Deduct	*-81.08*	
		For >100, Deduct	*-121.62*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	465.77	
		For >10 To 25, Deduct	*-23.29*	
		For >25 To 50, Deduct	*-58.22*	
		For >50 To 100, Deduct	*-93.15*	
		For >100, Deduct	*-139.73*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	517.52	
		For >10 To 25, Deduct	*-25.88*	
		For >25 To 50, Deduct	*-64.69*	
		For >50 To 100, Deduct	*-103.50*	
		For >100, Deduct	*-155.26*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	593.42	
		For >10 To 25, Deduct	*-29.67*	
		For >25 To 50, Deduct	*-74.18*	
		For >50 To 100, Deduct	*-118.68*	
		For >100, Deduct	*-178.03*	

32 93 83 00-0033 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0034	EA	1 Gallon Container Shrub Planting	14.67	
		For >10 To 25, Deduct	*-0.73*	
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-4.40*	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting	20.71	
		For >10 To 25, Deduct	*-1.04*	
		For >25 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-4.14*	
		For >100, Deduct	*-6.21*	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting	25.87	
		For >10 To 25, Deduct	*-1.29*	
		For >25 To 50, Deduct	*-3.23*	
		For >50 To 100, Deduct	*-5.17*	
		For >100, Deduct	*-7.76*	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting	34.50	
		For >10 To 25, Deduct	*-1.73*	
		For >25 To 50, Deduct	*-4.31*	
		For >50 To 100, Deduct	*-6.90*	
		For >100, Deduct	*-10.35*	
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting	43.13	
		For >10 To 25, Deduct	*-2.16*	
		For >25 To 50, Deduct	*-5.39*	
		For >50 To 100, Deduct	*-8.63*	
		For >100, Deduct	*-12.94*	
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting	58.66	
		For >10 To 25, Deduct	*-2.93*	
		For >25 To 50, Deduct	*-7.33*	
		For >50 To 100, Deduct	*-11.73*	
		For >100, Deduct	*-17.60*	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting	77.62	
		For >10 To 25, Deduct	*-3.88*	
		For >25 To 50, Deduct	*-9.70*	
		For >50 To 100, Deduct	*-15.52*	
		For >100, Deduct	*-23.29*	
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting	106.96	
		For >10 To 25, Deduct	*-5.35*	
		For >25 To 50, Deduct	*-13.37*	
		For >50 To 100, Deduct	*-21.39*	
		For >100, Deduct	*-32.09*	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting	179.41	
		For >10 To 25, Deduct	*-8.97*	
		For >25 To 50, Deduct	*-22.43*	
		For >50 To 100, Deduct	*-35.88*	
		For >100, Deduct	*-53.82*	
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting	229.79	
		For >10 To 25, Deduct	*-11.49*	
		For >25 To 50, Deduct	*-28.72*	
		For >50 To 100, Deduct	*-45.96*	
		For >100, Deduct	*-68.94*	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting	48.30	
		For >10 To 25, Deduct	*-2.42*	
		For >25 To 50, Deduct	*-6.04*	
		For >50 To 100, Deduct	*-9.66*	
		For >100, Deduct	*-14.49*	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting	50.03	
		For >10 To 25, Deduct	*-2.50*	
		For >25 To 50, Deduct	*-6.25*	
		For >50 To 100, Deduct	*-10.01*	
		For >100, Deduct	*-15.01*	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting	55.20	
		For >10 To 25, Deduct	*-2.76*	
		For >25 To 50, Deduct	*-6.90*	
		For >50 To 100, Deduct	*-11.04*	
		For >100, Deduct	*-16.56*	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting	55.20	
		For >10 To 25, Deduct	*-2.76*	
		For >25 To 50, Deduct	*-6.90*	
		For >50 To 100, Deduct	*-11.04*	
		For >100, Deduct	*-16.56*	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting	60.38	
		For >10 To 25, Deduct	*-3.02*	
		For >25 To 50, Deduct	*-7.55*	
		For >50 To 100, Deduct	*-12.08*	
		For >100, Deduct	*-18.11*	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting	63.83	
		For >10 To 25, Deduct	*-3.19*	
		For >25 To 50, Deduct	*-7.98*	
		For >50 To 100, Deduct	*-12.77*	
		For >100, Deduct	*-19.15*	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting	69.01	
		For >10 To 25, Deduct	*-3.45*	
		For >25 To 50, Deduct	*-8.63*	
		For >50 To 100, Deduct	*-13.80*	
		For >100, Deduct	*-20.70*	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting	103.51	
		For >10 To 25, Deduct	*-5.18*	
		For >25 To 50, Deduct	*-12.94*	
		For >50 To 100, Deduct	*-20.70*	
		For >100, Deduct	*-31.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0052	EA	6' Balled And Burlapped Shrub Planting	146.63	
		For >10 To 25, Deduct	*-7.33*	
		For >25 To 50, Deduct	*-18.33*	
		For >50 To 100, Deduct	*-29.33*	
		For >100, Deduct	*-43.99*	
32 93 83 00-0053	EA	7' Balled And Burlapped Shrub Planting	194.94	
		For >10 To 25, Deduct	*-9.75*	
		For >25 To 50, Deduct	*-24.37*	
		For >50 To 100, Deduct	*-38.99*	
		For >100, Deduct	*-58.48*	
32 93 83 00-0054	EA	8' Balled And Burlapped Shrub Planting	220.81	
		For >10 To 25, Deduct	*-11.04*	
		For >25 To 50, Deduct	*-27.60*	
		For >50 To 100, Deduct	*-44.16*	
		For >100, Deduct	*-66.24*	
32 93 83 00-0055	EA	9' Balled And Burlapped Shrub Planting	238.06	
		For >10 To 25, Deduct	*-11.90*	
		For >25 To 50, Deduct	*-29.76*	
		For >50 To 100, Deduct	*-47.61*	
		For >100, Deduct	*-71.42*	
32 93 83 00-0056	EA	10' Balled And Burlapped Shrub Planting	258.77	
		For >10 To 25, Deduct	*-12.94*	
		For >25 To 50, Deduct	*-32.35*	
		For >50 To 100, Deduct	*-51.75*	
		For >100, Deduct	*-77.63*	

32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	1.43	
		For >10 To 25, Deduct	*-0.07*	
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.29*	
		For >100, Deduct	*-0.43*	
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	1.64	
		For >10 To 25, Deduct	*-0.08*	
		For >25 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.33*	
		For >100, Deduct	*-0.49*	
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	1.92	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.58*	
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	2.30	
		For >10 To 25, Deduct	*-0.12*	
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.69*	
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	2.88	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-0.86*	
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	4.31	
		For >10 To 25, Deduct	*-0.22*	
		For >25 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.29*	
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	13.80	
		For >10 To 25, Deduct	*-0.69*	
		For >25 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-2.76*	
		For >100, Deduct	*-4.14*	
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	18.98	
		For >10 To 25, Deduct	*-0.95*	
		For >25 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-5.69*	
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	24.15	
		For >10 To 25, Deduct	*-1.21*	
		For >25 To 50, Deduct	*-3.02*	
		For >50 To 100, Deduct	*-4.83*	
		For >100, Deduct	*-7.25*	
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	31.05	
		For >10 To 25, Deduct	*-1.55*	
		For >25 To 50, Deduct	*-3.88*	
		For >50 To 100, Deduct	*-6.21*	
		For >100, Deduct	*-9.32*	
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	37.95	
		For >10 To 25, Deduct	*-1.90*	
		For >25 To 50, Deduct	*-4.74*	
		For >50 To 100, Deduct	*-7.59*	
		For >100, Deduct	*-11.39*	
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	51.75	
		For >10 To 25, Deduct	*-2.59*	
		For >25 To 50, Deduct	*-6.47*	
		For >50 To 100, Deduct	*-10.35*	
		For >100, Deduct	*-15.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0070	EA	Bulb Planting	0.86	
		For >10 To 25, Deduct	*-0.04*	
		For >25 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.26*	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	24.15	
		For >10 To 25, Deduct	*-1.21*	
		For >25, Deduct	*-3.02*	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	34.25	
		For >10 To 25, Deduct	*-1.71*	
		For >25, Deduct	*-4.28*	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	45.61	
		For >10 To 25, Deduct	*-2.28*	
		For >25, Deduct	*-5.70*	

32 93 83 00-0074 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	89.83	
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	134.72	
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	173.99	
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	260.95	
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	268.61	
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	400.83	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	329.17	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	493.07	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit	393.47	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit	589.88	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	566.46	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	851.37	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	753.46	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,122.30	
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,068.56	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit	1,600.47	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit	1,800.15	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit	2,714.60	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	2,475.20	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	3,711.22	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.81	2.09
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.36	2.09
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	7.40	2.09
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	8.37	2.16
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	9.05	2.16
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	9.03	2.16
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.58	2.23
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.33	2.23
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	8.41	2.23
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	9.37	2.30
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	10.12	2.30
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	10.19	2.30
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	8.33	2.16
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	11.29	2.16

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	6" x 8" Railroad Ties	11.19	3.37
32 94 16 00-0002	LF	7" x 9" Railroad Ties	13.39	4.23
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	7.42	2.46
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	9.71	3.08
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	11.31	3.62
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	2.88	1.23
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	4.38	1.84
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	7.06	2.38
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	9.62	3.08
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	11.81	3.62

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	620.94	44.16
		For >3 To 9, Deduct	*-39.95*	
		For >9, Deduct	*-82.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	717.77	44.16
		For >3 To 9, Deduct	*-47.21*	
		For >9, Deduct	*-97.56*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	868.26	58.88
		For >3 To 9, Deduct	*-56.29*	
		For >9, Deduct	*-116.33*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,079.03	58.88
		For >3 To 9, Deduct	*-72.10*	
		For >9, Deduct	*-149.00*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,383.31	73.60
		For >3 To 9, Deduct	*-92.71*	
		For >9, Deduct	*-191.60*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	1,452.62	88.32
		For >3 To 9, Deduct	*-95.70*	
		For >9, Deduct	*-197.78*	
32 94 43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,599.31	88.32
		For >3 To 9, Deduct	*-106.70*	
		For >9, Deduct	*-220.52*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	2,130.04	125.11
		For >3 To 9, Deduct	*-140.99*	
		For >9, Deduct	*-291.37*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	2,215.49	125.11
		For >3 To 9, Deduct	*-147.39*	
		For >9, Deduct	*-304.62*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	2,286.69	125.11
		For >3 To 9, Deduct	*-152.73*	
		For >9, Deduct	*-315.65*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	2,343.66	125.11
		For >3 To 9, Deduct	*-157.01*	
		For >9, Deduct	*-324.48*	
32 94 43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Grate With Frame	2,386.38	125.11
		For >3 To 9, Deduct	*-160.21*	
		For >9, Deduct	*-331.10*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	2,618.53	147.19
		For >3 To 9, Deduct	*-174.31*	
		For >9, Deduct	*-360.24*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	572.51	44.16
		For >3 To 9, Deduct	*-36.31*	
		For >9, Deduct	*-75.05*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	693.56	44.16
		For >3 To 9, Deduct	*-45.39*	
		For >9, Deduct	*-93.81*	
32 94 43 00-0019	EA	48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,030.13	73.60
		For >3 To 9, Deduct	*-66.22*	
		For >9, Deduct	*-136.86*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	1,215.27	73.60
		For >3 To 9, Deduct	*-80.11*	
		For >9, Deduct	*-165.55*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	1,386.16	73.60
		For >3 To 9, Deduct	*-92.92*	
		For >9, Deduct	*-192.04*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	1,542.81	73.60
		For >3 To 9, Deduct	*-104.67*	
		For >9, Deduct	*-216.32*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	1,685.22	73.60
		For >3 To 9, Deduct	*-115.35*	
		For >9, Deduct	*-238.39*	
32 94 43 00-0024	EA	48" x 48", >400 LB Cast Iron Tree Grate With Frame	1,813.39	73.60
		For >3 To 9, Deduct	*-124.97*	
		For >9, Deduct	*-258.26*	
32 94 43 00-0025	EA	60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,744.11	103.04
		For >3 To 9, Deduct	*-115.35*	
		For >9, Deduct	*-238.39*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,872.28	103.04
		For >3 To 9, Deduct	*-124.97*	
		For >9, Deduct	*-258.26*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,986.20	103.04
		For >3 To 9, Deduct	*-133.51*	
		For >9, Deduct	*-275.92*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	2,085.89	103.04
		For >3 To 9, Deduct	*-140.99*	
		For >9, Deduct	*-291.37*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	2,171.34	103.04
		For >3 To 9, Deduct	*-147.39*	
		For >9, Deduct	*-304.62*	
32 94 43 00-0030	EA	60" x 60", >600 LB Cast Iron Tree Grate With Frame	2,242.54	103.04
		For >3 To 9, Deduct	*-152.73*	
		For >9, Deduct	*-315.65*	
32 94 43 00-0031	EA	72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	2,130.04	125.11
		For >3 To 9, Deduct	*-140.99*	
		For >9, Deduct	*-291.37*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	2,215.49	125.11
		For >3 To 9, Deduct	*-147.39*	
		For >9, Deduct	*-304.62*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	2,286.69	125.11
		For >3 To 9, Deduct	*-152.73*	
		For >9, Deduct	*-315.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0034	EA	72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	2,343.66	125.11
		For >3 To 9, Deduct	*-157.01*	
		For >9, Deduct	*-324.48*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	2,386.38	125.11
		For >3 To 9, Deduct	*-160.21*	
		For >9, Deduct	*-331.10*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	2,414.86	125.11
		For >3 To 9, Deduct	*-162.35*	
		For >9, Deduct	*-335.52*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	2,429.10	125.11
		For >3 To 9, Deduct	*-163.42*	
		For >9, Deduct	*-337.72*	
32 94 43 00-0038	EA	72" x 72", >850 LB Cast Iron Tree Grate With Frame	2,443.34	125.11
		For >3 To 9, Deduct	*-164.48*	
		For >9, Deduct	*-339.93*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	1,079.03	58.88
		For >3 To 9, Deduct	*-72.10*	
		For >9, Deduct	*-149.00*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	1,100.39	58.88
		For >3 To 9, Deduct	*-73.70*	
		For >9, Deduct	*-152.31*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	1,344.86	73.60
		For >3 To 9, Deduct	*-89.83*	
		For >9, Deduct	*-185.64*	
32 94 43 00-0043	EA	48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,582.68	73.60
		For >3 To 9, Deduct	*-107.66*	
		For >9, Deduct	*-222.50*	
32 94 43 00-0044	EA	48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,685.22	73.60
		For >3 To 9, Deduct	*-115.35*	
		For >9, Deduct	*-238.39*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	2,258.21	125.11
		For >3 To 9, Deduct	*-150.60*	
		For >9, Deduct	*-311.24*	

32 94 49 Plant And Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	19.21
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	33.95
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	58.39

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	81.09
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	109.43
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	140.32
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	181.04

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	5.13
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.48
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	16.67
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	25.49

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	8.84
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	8.07

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	5.29

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	8.05
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	11.17
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	13.13
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	24.12
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	33.14

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 33 00-0001		Moving Shrubs On Site, Relocate *(32 96 33)* Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	58.84	
		For >25 To 50, Deduct	*-5.88*	
		For >50, Deduct	*-8.83*	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	79.60	
		For >25 To 50, Deduct	*-7.96*	
		For >50, Deduct	*-11.94*	
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	134.97	
		For >25 To 50, Deduct	*-13.50*	
		For >50, Deduct	*-20.25*	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	207.66	
		For >25 To 50, Deduct	*-20.77*	
		For >50, Deduct	*-31.15*	
32 96 43		**Tree Transplanting** *(32 96)*		
32 96 43 00-0001		Moving Trees On Site, Relocate *(32 96 43)* Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0723 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	215.73	
		For >5 To 10, Deduct	*-10.79*	
		For >10 To 20, Deduct	*-21.57*	
		For >20, Deduct	*-32.36*	
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	295.86	
		For >5 To 10, Deduct	*-14.79*	
		For >10 To 20, Deduct	*-29.59*	
		For >20, Deduct	*-44.38*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	479.39	
		For >5 To 10, Deduct	*-23.97*	
		For >10 To 20, Deduct	*-47.94*	
		For >20, Deduct	*-71.91*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	796.53	
		For >5 To 10, Deduct	*-39.83*	
		For >10 To 20, Deduct	*-79.65*	
		For >20, Deduct	*-119.48*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,294.36	
		For >5 To 10, Deduct	*-64.72*	
		For >10 To 20, Deduct	*-129.44*	
		For >20, Deduct	*-194.15*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	1,670.15	
		For >5 To 10, Deduct	*-83.51*	
		For >10 To 20, Deduct	*-167.02*	
		For >20, Deduct	*-250.52*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	2,157.27	
		For >5 To 10, Deduct	*-107.86*	
		For >10 To 20, Deduct	*-215.73*	
		For >20, Deduct	*-323.59*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	2,588.72	
		For >5 To 10, Deduct	*-129.44*	
		For >10 To 20, Deduct	*-258.87*	
		For >20, Deduct	*-388.31*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	2,941.72	
		For >5 To 10, Deduct	*-147.09*	
		For >10 To 20, Deduct	*-294.17*	
		For >20, Deduct	*-441.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

33 01 Operation And Maintenance Of Utilities *(33)*

33 01 10 Operation And Maintenance Of Water Utilities *(33 01)*

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*
Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	767.54	
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	383.78	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.29	
		For >250 To 500, Deduct	*-0.01*	
		For >500 To 1,000, Deduct	*-0.03*	
		For >1,000 To 2,000, Deduct	*-0.04*	
		For >2,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.07*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.44	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.07*	
		For >2,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.11*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.57	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.14*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.68	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000 To 2,000, Deduct	*-0.10*	
		For >2,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.17*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.89	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.22*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.00	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.15*	
		For >2,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.25*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.15	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.17*	
		For >2,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.29*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.35	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.20*	
		For >2,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.34*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.74	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.44*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.56	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.38*	
		For >2,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.64*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	3.54	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,000, Deduct	*-0.53*	
		For >2,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-0.89*	

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*
See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*
Note: Includes power washing. Excludes cleaning and video camera inspection of pipe.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0002		Sprayed On Cement Lining System *(33 01 10 71-0001)*		
		Note: 8,000 psi cement lining system. Applied by a robotic spin caster operating at 5,000 rpm. The spin caster is placed in the center of the sewer pipe and retrieved as the cementitious liner is centrifugally cast evenly around the pipe interior.		
33 01 10 71-0003		Mobilization And Setup For Sprayed On Cement Lining System *(33 01 10 71-0002)*		
33 01 10 71-0004	EA	Mobilization And Setup For Sprayed On Cement Lining System	4,754.40	
33 01 10 71-0005		Sprayed On Cement Lining System *(33 01 10 71-0002)*		
33 01 10 71-0006	LF	Up To 50', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	499.21	
33 01 10 71-0007	LF	>50' To 100', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	439.78	
33 01 10 71-0008	LF	>100' To 200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	386.30	
33 01 10 71-0009	LF	>200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	332.81	
33 01 10 71-0010	LF	Up To 50', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	530.12	
33 01 10 71-0011	LF	>50' To 100', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	470.69	
33 01 10 71-0012	LF	>100' To 200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	435.03	
33 01 10 71-0013	LF	>200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	356.58	
33 01 10 71-0014	LF	Up To 50', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	538.44	
33 01 10 71-0015	LF	>50' To 100', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	484.95	
33 01 10 71-0016	LF	>100' To 200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	452.86	
33 01 10 71-0017	LF	>200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	410.07	
33 01 10 71-0018	LF	Up To 50', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	885.51	
33 01 10 71-0019	LF	>50' To 100', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	861.74	
33 01 10 71-0020	LF	>100' To 200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	683.44	
33 01 10 71-0021	LF	>200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	647.79	
33 01 10 71-0022	LF	Up To 50', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	808.25	
33 01 10 71-0023	LF	>50' To 100', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	772.59	
33 01 10 71-0024	LF	>100' To 200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	689.39	
33 01 10 71-0025	LF	>200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	629.96	
33 01 10 71-0026	LF	Up To 50', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	967.52	
33 01 10 71-0027	LF	>50' To 100', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	938.99	
33 01 10 71-0028	LF	>100' To 200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	689.39	
33 01 10 71-0029	LF	>200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	641.84	
33 01 10 71-0030	LF	Up To 50', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,164.83	
33 01 10 71-0031	LF	>50' To 100', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,093.51	
33 01 10 71-0032	LF	>100' To 200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	808.25	
33 01 10 71-0033	LF	>200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	736.93	
33 01 10 71-0034		Sprayed On Geopolymer Lining System *(33 01 10 71-0001)*		
		Note: Geopolymer lining system. Applied by a robotic spin caster. The spin caster is placed in the center of the sewer pipe and retrieved as the geopolymer liner is centrifugally cast evenly around the pipe interior.		
33 01 10 71-0035		Mobilization And Setup For Sprayed On Geopolymer Lining System *(33 01 10 71-0034)*		
33 01 10 71-0036	EA	Mobilization And Setup For Sprayed On Geopolymer Lining System	17,829.00	
33 01 10 71-0037		Sprayed On Geopolymer Lining System *(33 01 10 71-0034)*		
33 01 10 71-0038	LF	36" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	371.44	
33 01 10 71-0039	LF	42" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	423.44	
33 01 10 71-0040	LF	48" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	482.87	
33 01 10 71-0041	LF	54" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	572.01	
33 01 10 71-0042	LF	60" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	780.02	
33 01 10 71-0043	LF	66" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	995.45	
33 01 10 71-0044	LF	72" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,188.60	
33 01 10 71-0045	LF	78" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,300.03	
33 01 10 71-0046	LF	84" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,448.61	
33 01 10 71-0047	LF	90" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,656.61	
33 01 10 71-0048	LF	96" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,080.05	
33 01 10 71-0049	LF	102" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,496.06	

33 01 30 Operation And Maintenance Of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0001		Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*		
33 01 30 11-0002		Video Camera Inspection For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0003	LF	Video Camera Inspection Of Pipe Interior Or Culvert	3.26	

33 01 30 23 Pipe Bursting *(33 01 30)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0001		Pipe Bursting *(33 01 30 23)*		
		Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 23-0002		Pipe Lining *(33 01 30 23-0001)*		
33 01 30 23-0003		Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0002)*		
		Note: Per each joint.		
33 01 30 23-0004	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	86.51	
33 01 30 23-0005	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	99.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0006	EA	>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	118.38	

33 01 30 23-0007 High Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0002)*

Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0003 for pipe joint fusion.

33 01 30 23-0008	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	2.86	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.32*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*0.87*	
		For White Interior Pipe, Add	*0.59*	
		For Gray Interior Pipe, Add	*0.45*	
33 01 30 23-0009	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	3.81	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.49*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.32*	
		For White Interior Pipe, Add	*0.89*	
		For Gray Interior Pipe, Add	*0.68*	
33 01 30 23-0010	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.47	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.78*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.12*	
		For White Interior Pipe, Add	*1.43*	
		For Gray Interior Pipe, Add	*1.08*	
33 01 30 23-0011	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	6.17	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.90*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.45*	
		For White Interior Pipe, Add	*1.65*	
		For Gray Interior Pipe, Add	*1.25*	
33 01 30 23-0012	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.51	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.32*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.58*	
		For White Interior Pipe, Add	*2.42*	
		For Gray Interior Pipe, Add	*1.83*	
33 01 30 23-0013	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	12.60	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.05*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*5.56*	
		For White Interior Pipe, Add	*3.75*	
		For Gray Interior Pipe, Add	*2.84*	
33 01 30 23-0014	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	17.26	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.88*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*7.82*	
		For White Interior Pipe, Add	*5.28*	
		For Gray Interior Pipe, Add	*4.00*	
33 01 30 23-0015	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	18.91	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.17*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*8.61*	
		For White Interior Pipe, Add	*5.81*	
		For Gray Interior Pipe, Add	*4.40*	
33 01 30 23-0016	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	20.63	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.47*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*9.43*	
		For White Interior Pipe, Add	*6.37*	
		For Gray Interior Pipe, Add	*4.82*	
33 01 30 23-0017	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	26.61	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.53*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.32*	
		For White Interior Pipe, Add	*8.31*	
		For Gray Interior Pipe, Add	*6.30*	
33 01 30 23-0018	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	33.42	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.74*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*15.60*	
		For White Interior Pipe, Add	*10.53*	
		For Gray Interior Pipe, Add	*7.98*	
33 01 30 23-0019	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	40.99	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-7.09*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*19.25*	
		For White Interior Pipe, Add	*12.99*	
		For Gray Interior Pipe, Add	*9.84*	
33 01 30 23-0020	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	49.39	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.58*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*23.30*	
		For White Interior Pipe, Add	*15.72*	
		For Gray Interior Pipe, Add	*11.91*	
33 01 30 23-0021	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	58.61	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-10.21*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*27.73*	
		For White Interior Pipe, Add	*18.71*	
		For Gray Interior Pipe, Add	*14.18*	
33 01 30 23-0022	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	68.58	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-11.97*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*32.52*	
		For White Interior Pipe, Add	*21.95*	
		For Gray Interior Pipe, Add	*16.63*	
33 01 30 23-0023	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	79.44	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.89*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*37.73*	
		For White Interior Pipe, Add	*25.46*	
		For Gray Interior Pipe, Add	*19.29*	
33 01 30 23-0024	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	91.11	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-15.94*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*43.32*	
		For White Interior Pipe, Add	*29.23*	
		For Gray Interior Pipe, Add	*22.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0025	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	103.60	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-18.14*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*49.27*	
		For White Interior Pipe, Add	*33.25*	
		For Gray Interior Pipe, Add	*25.19*	
33 01 30 23-0026	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	127.58	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-22.38*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*60.80*	
		For White Interior Pipe, Add	*41.03*	
		For Gray Interior Pipe, Add	*31.08*	
33 01 30 23-0027	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	131.34	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-22.96*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*62.37*	
		For White Interior Pipe, Add	*42.09*	
		For Gray Interior Pipe, Add	*31.89*	

33 01 30 23-0028 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

33 01 30 23-0029 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee *(33 01 30 23-0028)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles (24 kilometers).

33 01 30 23-0030	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	813.00	
		For No Excavation, Deduct	*-529.24*	
33 01 30 23-0031	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	912.67	
		For No Excavation, Deduct	*-595.39*	
33 01 30 23-0032	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	963.38	
		For No Excavation, Deduct	*-628.47*	
33 01 30 23-0033	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,014.09	
		For No Excavation, Deduct	*-661.55*	
33 01 30 23-0034	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,097.57	
		For No Excavation, Deduct	*-694.62*	
33 01 30 23-0035	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,026.16	
		For No Excavation, Deduct	*-661.55*	
33 01 30 23-0036	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,078.59	
		For No Excavation, Deduct	*-694.62*	
33 01 30 23-0037	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,155.18	
		For No Excavation, Deduct	*-727.71*	
33 01 30 23-0038	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,349.09	
		For No Excavation, Deduct	*-760.78*	
33 01 30 23-0039	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,420.50	
		For No Excavation, Deduct	*-793.86*	
33 01 30 23-0040	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,719.65	
		For No Excavation, Deduct	*-826.93*	

33 01 30 23-0041 Re-Connection Of Non-Renewed Laterals; Saddle Style *(33 01 30 23-0028)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0034 for hauling.

33 01 30 23-0042	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,062.79	
		For No Excavation, Deduct	*-590.67*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-104.05*	
33 01 30 23-0043	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,311.23	
		For No Excavation, Deduct	*-614.29*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-83.32*	
33 01 30 23-0044	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,417.14	
		For No Excavation, Deduct	*-637.92*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*66.03*	
33 01 30 23-0045	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,558.90	
		For No Excavation, Deduct	*-708.80*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*37.68*	
33 01 30 23-0046	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	6,744.30	
		For No Excavation, Deduct	*-756.05*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*482.41*	
33 01 30 23-0047	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	7,291.03	
		For No Excavation, Deduct	*-838.75*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*506.53*	
33 01 30 23-0048	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	9,994.68	
		For No Excavation, Deduct	*-921.44*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*854.19*	
33 01 30 23-0049	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	9,371.88	
		For No Excavation, Deduct	*-1,039.58*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*678.08*	
33 01 30 23-0050	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,415.63	
		For No Excavation, Deduct	*-1,228.59*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*852.34*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Excludes debris disposal.

33 01 30 41-0003 Hydro Jet Cleaning Of Pipes *(33 01 30 41-0002)*

Note: Excludes removal of material.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0004	LF	10" To 12" Diameter Pipe Line Cleaning, Hydro Jetting Method	1.17	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.18*	
		For >2,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.29*	
33 01 30 41-0005	LF	>12" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method	2.39	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.60*	
33 01 30 41-0006	LF	>24" To 48" Diameter Pipe Line Cleaning, Hydro Jetting Method	4.75	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.19*	
33 01 30 41-0007	LF	>48" To 72" Diameter Pipe Line Cleaning, Hydro Jetting Method	6.64	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.66*	
33 01 30 41-0008	LF	>72" To 96" Diameter Pipe Line Cleaning, Hydro Jetting Method	8.57	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000 To 5,000, Deduct	*-1.71*	
		For >5,000, Deduct	*-2.14*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0003	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	204.63	
33 01 30 42-0004	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	190.23	
33 01 30 42-0005	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	175.84	
33 01 30 42-0006	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	161.45	
33 01 30 42-0007	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	147.06	
33 01 30 42-0008	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	132.67	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	488.90	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	537.78	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	586.68	

33 01 30 51 Maintenance Of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	110.88	
		For Stainless Steel Nuts And Bolts, Add	*19.70*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	159.65	
		For Stainless Steel Nuts And Bolts, Add	*29.69*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	185.28	
		For Stainless Steel Nuts And Bolts, Add	*34.96*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	211.56	
		For Stainless Steel Nuts And Bolts, Add	*40.22*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	119.77	
		For Stainless Steel Nuts And Bolts, Add	*21.39*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	169.85	
		For Stainless Steel Nuts And Bolts, Add	*31.68*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	195.32	
		For Stainless Steel Nuts And Bolts, Add	*36.83*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	226.37	
		For Stainless Steel Nuts And Bolts, Add	*43.10*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	129.29	
		For Stainless Steel Nuts And Bolts, Add	*23.40*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	176.89	
		For Stainless Steel Nuts And Bolts, Add	*33.12*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	205.15	
		For Stainless Steel Nuts And Bolts, Add	*38.83*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	240.21	
		For Stainless Steel Nuts And Bolts, Add	*46.10*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	145.97	
		For Stainless Steel Nuts And Bolts, Add	*26.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	193.63	
		For Stainless Steel Nuts And Bolts, Add	*35.82*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	235.03	
		For Stainless Steel Nuts And Bolts, Add	*43.61*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	283.23	
		For Stainless Steel Nuts And Bolts, Add	*52.60*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	372.60	
		For Stainless Steel Nuts And Bolts, Add	*70.65*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	464.55	
		For Stainless Steel Nuts And Bolts, Add	*88.70*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	567.46	
		For Stainless Steel Nuts And Bolts, Add	*108.81*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	171.75	
		For Stainless Steel Nuts And Bolts, Add	*31.40*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	229.22	
		For Stainless Steel Nuts And Bolts, Add	*42.60*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	271.22	
		For Stainless Steel Nuts And Bolts, Add	*50.23*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	317.18	
		For Stainless Steel Nuts And Bolts, Add	*58.37*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	443.81	
		For Stainless Steel Nuts And Bolts, Add	*84.58*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	540.00	
		For Stainless Steel Nuts And Bolts, Add	*103.14*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	645.04	
		For Stainless Steel Nuts And Bolts, Add	*123.25*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	219.69	
		For Stainless Steel Nuts And Bolts, Add	*37.57*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	286.57	
		For Stainless Steel Nuts And Bolts, Add	*49.71*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	346.09	
		For Stainless Steel Nuts And Bolts, Add	*60.16*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	413.10	
		For Stainless Steel Nuts And Bolts, Add	*71.68*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	553.63	
		For Stainless Steel Nuts And Bolts, Add	*99.31*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	662.13	
		For Stainless Steel Nuts And Bolts, Add	*118.75*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	783.09	
		For Stainless Steel Nuts And Bolts, Add	*139.77*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	259.38	
		For Stainless Steel Nuts And Bolts, Add	*45.73*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	350.70	
		For Stainless Steel Nuts And Bolts, Add	*63.25*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	412.37	
		For Stainless Steel Nuts And Bolts, Add	*73.95*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	506.85	
		For Stainless Steel Nuts And Bolts, Add	*91.46*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	670.40	
		For Stainless Steel Nuts And Bolts, Add	*124.06*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	759.93	
		For Stainless Steel Nuts And Bolts, Add	*138.66*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	983.42	
		For Stainless Steel Nuts And Bolts, Add	*182.93*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	294.68	
		For Stainless Steel Nuts And Bolts, Add	*51.58*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	386.28	
		For Stainless Steel Nuts And Bolts, Add	*68.59*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	466.53	
		For Stainless Steel Nuts And Bolts, Add	*83.00*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	575.22	
		For Stainless Steel Nuts And Bolts, Add	*103.14*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	744.45	
		For Stainless Steel Nuts And Bolts, Add	*136.23*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	874.12	
		For Stainless Steel Nuts And Bolts, Add	*159.09*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,115.90	
		For Stainless Steel Nuts And Bolts, Add	*206.28*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	679.42	
		For Stainless Steel Nuts And Bolts, Add	*198.43*	
33 01 30 51-0052	EA	14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	967.43	
		For Stainless Steel Nuts And Bolts, Add	*286.46*	
33 01 30 51-0053	EA	14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,304.95	
		For Stainless Steel Nuts And Bolts, Add	*388.48*	
33 01 30 51-0054	EA	14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,933.07	
		For Stainless Steel Nuts And Bolts, Add	*585.52*	
33 01 30 51-0055	EA	15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	713.07	
		For Stainless Steel Nuts And Bolts, Add	*208.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0056	EA	15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,012.60	
		For Stainless Steel Nuts And Bolts, Add	*299.74*	
33 01 30 51-0057	EA	15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,362.35	
		For Stainless Steel Nuts And Bolts, Add	*405.25*	
33 01 30 51-0058	EA	15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,026.15	
		For Stainless Steel Nuts And Bolts, Add	*613.46*	
33 01 30 51-0059	EA	15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	730.36	
		For Stainless Steel Nuts And Bolts, Add	*212.40*	
33 01 30 51-0060	EA	15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,035.40	
		For Stainless Steel Nuts And Bolts, Add	*305.34*	
33 01 30 51-0061	EA	15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,396.83	
		For Stainless Steel Nuts And Bolts, Add	*414.33*	
33 01 30 51-0062	EA	15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,075.74	
		For Stainless Steel Nuts And Bolts, Add	*626.73*	
33 01 30 51-0063	EA	16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	748.32	
		For Stainless Steel Nuts And Bolts, Add	*216.59*	
33 01 30 51-0064	EA	16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,061.30	
		For Stainless Steel Nuts And Bolts, Add	*311.63*	
33 01 30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,429.29	
		For Stainless Steel Nuts And Bolts, Add	*422.01*	
33 01 30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,124.72	
		For Stainless Steel Nuts And Bolts, Add	*639.31*	
33 01 30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	764.26	
		For Stainless Steel Nuts And Bolts, Add	*220.09*	
33 01 30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,083.06	
		For Stainless Steel Nuts And Bolts, Add	*316.51*	
33 01 30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,461.74	
		For Stainless Steel Nuts And Bolts, Add	*429.70*	
33 01 30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,168.24	
		For Stainless Steel Nuts And Bolts, Add	*649.79*	
33 01 30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	779.47	
		For Stainless Steel Nuts And Bolts, Add	*223.59*	
33 01 30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,105.84	
		For Stainless Steel Nuts And Bolts, Add	*322.10*	
33 01 30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,490.75	
		For Stainless Steel Nuts And Bolts, Add	*436.69*	
33 01 30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,194.90	
		For Stainless Steel Nuts And Bolts, Add	*655.03*	
33 01 30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	797.20	
		For Stainless Steel Nuts And Bolts, Add	*227.94*	
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,133.07	
		For Stainless Steel Nuts And Bolts, Add	*329.09*	
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,521.79	
		For Stainless Steel Nuts And Bolts, Add	*444.37*	
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,259.95	
		For Stainless Steel Nuts And Bolts, Add	*673.55*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	71.14
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	82.44
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	97.01
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	108.91
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	172.49

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	87.29
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	99.32
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	209.18
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	77.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	70.35	
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	82.39	
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	103.08	
33 01 30 51-0095		**Copper Compression Repair Fitting, Tees** *(33 01 30 51-0080)*		
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	163.09	
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	120.78	
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	143.84	
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	115.23	
33 01 30 51-0100		**Copper Compression Repair Fitting, Male Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	76.10	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	59.39	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	66.61	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	79.59	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	97.74	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	105.76	
33 01 30 51-0107		**Copper Compression Repair Fitting, Female Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	90.05	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	93.79	
33 01 30 51-0110		**Couplings And Fittings For Steel Pipe, Cast Body, Compression** *(33 01 30 51-0079)* Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		**Couplings For Steel Pipe, Cast Body (Compression)** *(33 01 30 51-0110)* Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	44.56	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	44.79	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	50.35	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	55.98	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	69.15	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	84.18	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	45.85	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	46.22	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	50.57	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	56.64	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	71.31	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	85.14	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	89.07	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	104.21	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	108.15	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	121.21	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	147.56	
33 01 30 51-0129		**Reducing Couplings For Steel Pipe (Compression)** *(33 01 30 51-0110)* Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	49.10	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	51.76	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	58.34	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	60.72	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	118.83	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	72.84	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	73.17	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	141.89	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	128.68	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	97.25	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	96.90	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)* Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	82.08	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	85.29	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	110.28	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	139.43	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	54.58	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	56.34	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	66.06	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	94.69	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	103.38	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	54.76	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	47.78	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	53.94	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	68.26	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	88.43	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	56.63	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	51.26	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	66.89	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	80.62	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	114.87	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Street Tee (Compression)	59.39	
33 01 30 51-0163	EA	1" Street Tee (Compression)	69.94	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	70.31	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	80.88	
33 01 30 51-0166	EA	2" Street Tee (Compression)	123.63	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	69.64	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	73.01	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	91.45	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	106.71	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	107.38	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	90.02	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	120.33	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	137.27	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	110.23	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	110.18	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	118.00	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	141.88	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	191.67	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	80.66	
33 01 30 51-0181	EA	1" Regular Tee (Compression)	142.45	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	150.19	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	160.76	
33 01 30 51-0184	EA	2" Regular Tee (Compression)	177.94	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	175.23	
33 01 30 51-0186		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	54.43	
33 01 30 51-0188	EA	1" Male Adapter (Compression)	60.57	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	79.28	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	89.28	
33 01 30 51-0191	EA	2" Male Adapter (Compression)	100.54	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	78.84	
33 01 30 51-0193		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Line Caps (Compression)	29.29	
33 01 30 51-0195	EA	1" Line Caps (Compression)	34.10	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	39.00	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	45.82	
33 01 30 51-0198	EA	2" Line Caps (Compression)	56.63	
33 01 30 51-0199		**Grind Offset Joint** *(33 01 30 51-0001)*		
33 01 30 51-0200	EA	6" To 10", Grind Drop Offset Joint	293.33	
33 01 30 51-0201	EA	>10" To 15", Grind Drop Offset Joint	391.11	
33 01 30 51-0202	EA	>15" To 24", Grind Drop Offset Joint	488.90	
33 01 30 51-0203	EA	>24" To 30", Grind Drop Offset Joint	586.68	
33 01 30 51-0204		**Temporary Pipe Plugging** *(33 01 30 51-0001)*		
33 01 30 51-0205		**Gravity Bladder Pipe Plugging** *(33 01 30 51-0204)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0206	EA	3/4" Bladder Type Pipe Plug	58.77	
33 01 30 51-0207	EA	1" Bladder Type Pipe Plug	62.99	
33 01 30 51-0208	EA	1-1/4" Bladder Type Pipe Plug	68.59	
33 01 30 51-0209	EA	1-1/2" Bladder Type Pipe Plug	73.64	
33 01 30 51-0210	EA	2" Bladder Type Pipe Plug	78.42	
33 01 30 51-0211	EA	2-1/2" Bladder Type Pipe Plug	83.99	
33 01 30 51-0212	EA	3" Bladder Type Pipe Plug	91.65	
33 01 30 51-0213	EA	4" Bladder Type Pipe Plug	101.05	
33 01 30 51-0214	EA	5" Bladder Type Pipe Plug	109.33	
33 01 30 51-0215	EA	6" Bladder Type Pipe Plug	121.72	
33 01 30 51-0216	EA	8" Bladder Type Pipe Plug	135.33	
33 01 30 51-0217	EA	10" Bladder Type Pipe Plug	156.69	
33 01 30 51-0218	EA	12" Bladder Type Pipe Plug	187.93	
33 01 30 51-0219	EA	14" Bladder Type Pipe Plug	222.81	
33 01 30 51-0220	EA	16" Bladder Type Pipe Plug	268.04	
33 01 30 51-0221	EA	18" Bladder Type Pipe Plug	322.42	
33 01 30 51-0222	EA	20" Bladder Type Pipe Plug	387.17	
33 01 30 51-0223	EA	24" Bladder Type Pipe Plug	448.46	
33 01 30 51-0224		**Polyseal Pipe Coupler** *(33 01 30 51-0001)*		
33 01 30 51-0225	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	213.60	
33 01 30 51-0226	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	241.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 30 63 Sewer and Pipe Joint Sealing *(33 01 30)*

33 01 30 63-0001 Joint Air Test *(33 01 30 63)*

33 01 30 63-0002	EA	4" To 8", Joint Air Test	68.01	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	79.35	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	90.69	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	113.36	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	136.03	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	158.71	

33 01 30 63-0008 Joint Seal And Joint Air Retest *(33 01 30 63)*

Note: Includes grout.

33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest Note: Includes up to 1 gallon of grout.	202.07	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	224.75	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	268.13	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	301.15	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	334.18	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	395.05	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	455.92	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	516.79	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	600.35	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	683.89	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	790.10	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	911.85	
33 01 30 63-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	111.39	

33 01 30 71 Relining Sewer Utilities Pipelines *(33 01 30)*

33 01 30 71-0001 Relining Underground Pipelines *(33 01 30 71)*

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 71-0002 Other Liner Pipe *(33 01 30 71-0001)*

33 01 30 71-0003 Polyvinyl Chloride (PVC) Liner Pipe *(33 01 30 71-0002)*

Note: Sanitary and storm sewer trenchless slip-lining.

33 01 30 71-0004	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	19.40	
33 01 30 71-0005	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	28.85	
33 01 30 71-0006	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	38.81	
33 01 30 71-0007	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	48.09	
33 01 30 71-0008	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	62.66	
33 01 30 71-0009	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	75.06	
33 01 30 71-0010	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	85.85	
33 01 30 71-0011	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	121.82	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,088.76	
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	1,814.59	
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	2,721.90	
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines Cured In-Place Pipe (CIPP)	3,629.19	
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	544.38	
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	907.30	
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	1,134.12	
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines Cured In-Place Pipe (CIPP)	1,451.68	
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	907.30	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	2,177.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	3,629.19	
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" To 72" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	5,443.79	

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)

(33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	14.18	
		For Up To >10, Add	*30.89*	
		For >10 To 25, Add	*24.97*	
		For >25 To 50, Add	*15.21*	
		For >50 To 100, Add	*7.61*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000 To 5,000, Deduct	*-2.18*	
		For >5,000, Deduct	*-3.32*	
		For Vinlyester Resin, Add	*3.26*	
		For Epoxy Resin, Add	*0.38*	
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	16.73	
		For Up To >10, Add	*32.17*	
		For >10 To 25, Add	*25.60*	
		For >25 To 50, Add	*15.72*	
		For >50 To 100, Add	*7.86*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000 To 2,000, Deduct	*-1.48*	
		For >2,000 To 5,000, Deduct	*-2.34*	
		For >5,000, Deduct	*-3.58*	
		For Vinlyester Resin, Add	*5.05*	
		For Epoxy Resin, Add	*0.59*	
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	19.29	
		For Up To >10, Add	*33.45*	
		For >10 To 25, Add	*26.24*	
		For >25 To 50, Add	*16.23*	
		For >50 To 100, Add	*8.12*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,000, Deduct	*-1.58*	
		For >2,000 To 5,000, Deduct	*-2.49*	
		For >5,000, Deduct	*-3.83*	
		For Vinlyester Resin, Add	*6.84*	
		For Epoxy Resin, Add	*0.81*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	25.32	
		For Up To >10, Add	*38.76*	
		For >10 To 25, Add	*29.82*	
		For >25 To 50, Add	*18.64*	
		For >50 To 100, Add	*9.32*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.90*	
		For >2,000 To 5,000, Deduct	*-2.98*	
		For >5,000, Deduct	*-4.62*	
		For Vinlyester Resin, Add	*10.42*	
		For Epoxy Resin, Add	*1.23*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	31.33	
		For Up To >10, Add	*44.02*	
		For >10 To 25, Add	*33.35*	
		For >25 To 50, Add	*21.01*	
		For >50 To 100, Add	*10.50*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.22*	
		For >2,000 To 5,000, Deduct	*-3.47*	
		For >5,000, Deduct	*-5.40*	
		For Vinlyester Resin, Add	*13.99*	
		For Epoxy Resin, Add	*1.65*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	18.93	
		For Up To >10, Add	*33.27*	
		For >10 To 25, Add	*26.15*	
		For >25 To 50, Add	*16.16*	
		For >50 To 100, Add	*8.08*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.47*	
		For >5,000, Deduct	*-3.80*	
		For Vinlyester Resin, Add	*6.59*	
		For Epoxy Resin, Add	*0.78*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	22.34	
		For Up To >10, Add	*34.97*	
		For >10 To 25, Add	*27.01*	
		For >25 To 50, Add	*16.84*	
		For >50 To 100, Add	*8.42*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-2.67*	
		For >5,000, Deduct	*-4.14*	
		For Vinlyester Resin, Add	*8.97*	
		For Epoxy Resin, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	30.07	
		For Up To >10, Add	*41.14*	
		For >10 To 25, Add	*31.01*	
		For >25 To 50, Add	*19.59*	
		For >50 To 100, Add	*9.79*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-2.09*	
		For >2,000 To 5,000, Deduct	*-3.27*	
		For >5,000, Deduct	*-5.10*	
		For Vinlyester Resin, Add	*13.74*	
		For Epoxy Resin, Add	*1.62*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	37.79	
		For Up To >10, Add	*47.25*	
		For >10 To 25, Add	*34.96*	
		For >25 To 50, Add	*22.30*	
		For >50 To 100, Add	*11.15*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,000, Deduct	*-2.48*	
		For >2,000 To 5,000, Deduct	*-3.86*	
		For >5,000, Deduct	*-6.05*	
		For Vinlyester Resin, Add	*18.52*	
		For Epoxy Resin, Add	*2.18*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	45.60	
		For Up To >10, Add	*53.65*	
		For >10 To 25, Add	*39.17*	
		For >25 To 50, Add	*25.16*	
		For >50 To 100, Add	*12.58*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000 To 2,000, Deduct	*-2.87*	
		For >2,000 To 5,000, Deduct	*-4.46*	
		For >5,000, Deduct	*-7.03*	
		For Vinlyester Resin, Add	*23.28*	
		For Epoxy Resin, Add	*2.74*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	53.68	
		For Up To >10, Add	*60.87*	
		For >10 To 25, Add	*44.04*	
		For >25 To 50, Add	*28.43*	
		For >50 To 100, Add	*14.21*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000 To 2,000, Deduct	*-3.30*	
		For >2,000 To 5,000, Deduct	*-5.13*	
		For >5,000, Deduct	*-8.09*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	25.29	
		For Up To >10, Add	*36.45*	
		For >10 To 25, Add	*27.74*	
		For >25 To 50, Add	*17.43*	
		For >50 To 100, Add	*8.72*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-1.82*	
		For >2,000 To 5,000, Deduct	*-2.85*	
		For >5,000, Deduct	*-4.43*	
		For Vinlyester Resin, Add	*11.04*	
		For Epoxy Resin, Add	*1.30*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	34.73	
		For Up To >10, Add	*43.47*	
		For >10 To 25, Add	*32.17*	
		For >25 To 50, Add	*20.52*	
		For >50 To 100, Add	*10.26*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000 To 5,000, Deduct	*-3.55*	
		For >5,000, Deduct	*-5.56*	
		For Vinlyester Resin, Add	*17.00*	
		For Epoxy Resin, Add	*2.00*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	44.15	
		For Up To >10, Add	*50.43*	
		For >10 To 25, Add	*36.55*	
		For >25 To 50, Add	*23.57*	
		For >50 To 100, Add	*11.79*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000 To 2,000, Deduct	*-2.73*	
		For >2,000 To 5,000, Deduct	*-4.24*	
		For >5,000, Deduct	*-6.68*	
		For Vinlyester Resin, Add	*22.97*	
		For Epoxy Resin, Add	*2.71*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	53.66	
		For Up To >10, Add	*57.68*	
		For >10 To 25, Add	*41.18*	
		For >25 To 50, Add	*26.77*	
		For >50 To 100, Add	*13.39*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000 To 2,000, Deduct	*-3.20*	
		For >2,000 To 5,000, Deduct	*-4.95*	
		For >5,000, Deduct	*-7.83*	
		For Vinlyester Resin, Add	*28.92*	
		For Epoxy Resin, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	63.45	
		For Up To >10, Add	*65.75*	
		For >10 To 25, Add	*46.49*	
		For >25 To 50, Add	*30.38*	
		For >50 To 100, Add	*15.19*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000 To 2,000, Deduct	*-3.69*	
		For >2,000 To 5,000, Deduct	*-5.71*	
		For >5,000, Deduct	*-9.07*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	78.03	
		For Up To >10, Add	*77.57*	
		For >10 To 25, Add	*54.20*	
		For >25 To 50, Add	*35.65*	
		For >50 To 100, Add	*17.83*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000 To 2,000, Deduct	*-4.43*	
		For >2,000 To 5,000, Deduct	*-6.84*	
		For >5,000, Deduct	*-10.89*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	92.80	
		For Up To >10, Add	*89.95*	
		For >10 To 25, Add	*62.40*	
		For >25 To 50, Add	*41.21*	
		For >50 To 100, Add	*20.60*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000 To 2,000, Deduct	*-5.19*	
		For >2,000 To 5,000, Deduct	*-8.01*	
		For >5,000, Deduct	*-12.76*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	39.28	
		For Up To >10, Add	*45.74*	
		For >10 To 25, Add	*33.31*	
		For >25 To 50, Add	*21.43*	
		For >50 To 100, Add	*10.71*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000 To 2,000, Deduct	*-2.46*	
		For >2,000 To 5,000, Deduct	*-3.82*	
		For >5,000, Deduct	*-6.02*	
		For Vinlyester Resin, Add	*20.19*	
		For Epoxy Resin, Add	*2.38*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	50.40	
		For Up To >10, Add	*53.55*	
		For >10 To 25, Add	*38.12*	
		For >25 To 50, Add	*24.82*	
		For >50 To 100, Add	*12.41*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000 To 2,000, Deduct	*-2.98*	
		For >2,000 To 5,000, Deduct	*-4.61*	
		For >5,000, Deduct	*-7.31*	
		For Vinlyester Resin, Add	*27.34*	
		For Epoxy Resin, Add	*3.22*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	61.63	
		For Up To >10, Add	*61.67*	
		For >10 To 25, Add	*43.17*	
		For >25 To 50, Add	*28.37*	
		For >50 To 100, Add	*14.18*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000 To 5,000, Deduct	*-5.43*	
		For >5,000, Deduct	*-8.63*	
		For Vinlyester Resin, Add	*34.50*	
		For Epoxy Resin, Add	*4.07*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	73.11	
		For Up To >10, Add	*70.58*	
		For >10 To 25, Add	*48.90*	
		For >25 To 50, Add	*32.32*	
		For >50 To 100, Add	*16.16*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000 To 2,000, Deduct	*-4.08*	
		For >2,000 To 5,000, Deduct	*-6.29*	
		For >5,000, Deduct	*-10.03*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	90.25	
		For Up To >10, Add	*83.68*	
		For >10 To 25, Add	*57.26*	
		For >25 To 50, Add	*38.10*	
		For >50 To 100, Add	*19.05*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000 To 2,000, Deduct	*-4.92*	
		For >2,000 To 5,000, Deduct	*-7.57*	
		For >5,000, Deduct	*-12.11*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	107.58	
		For Up To >10, Add	*97.34*	
		For >10 To 25, Add	*66.09*	
		For >25 To 50, Add	*44.16*	
		For >50 To 100, Add	*22.08*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000 To 2,000, Deduct	*-5.78*	
		For >2,000 To 5,000, Deduct	*-8.89*	
		For >5,000, Deduct	*-14.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	124.36	
		For Up To >10, Add	*109.36*	
		For >10 To 25, Add	*73.55*	
		For >25 To 50, Add	*49.40*	
		For >50 To 100, Add	*24.70*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000 To 2,000, Deduct	*-6.58*	
		For >2,000 To 5,000, Deduct	*-10.10*	
		For >5,000, Deduct	*-16.21*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	141.42	
		For Up To >10, Add	*122.21*	
		For >10 To 25, Add	*81.71*	
		For >25 To 50, Add	*55.06*	
		For >50 To 100, Add	*27.53*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000 To 2,000, Deduct	*-7.41*	
		For >2,000 To 5,000, Deduct	*-11.37*	
		For >5,000, Deduct	*-18.26*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.37	
		For Up To >10, Add	*89.74*	
		For >10 To 25, Add	*60.29*	
		For >25 To 50, Add	*40.52*	
		For >50 To 100, Add	*20.26*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000 To 2,000, Deduct	*-5.41*	
		For >2,000 To 5,000, Deduct	*-8.30*	
		For >5,000, Deduct	*-13.32*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	122.25	
		For Up To >10, Add	*104.68*	
		For >10 To 25, Add	*69.76*	
		For >25 To 50, Add	*47.10*	
		For >50 To 100, Add	*23.55*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000 To 2,000, Deduct	*-6.37*	
		For >2,000 To 5,000, Deduct	*-9.77*	
		For >5,000, Deduct	*-15.71*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	141.59	
		For Up To >10, Add	*117.97*	
		For >10 To 25, Add	*77.86*	
		For >25 To 50, Add	*52.85*	
		For >50 To 100, Add	*26.42*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000 To 2,000, Deduct	*-7.27*	
		For >2,000 To 5,000, Deduct	*-11.14*	
		For >5,000, Deduct	*-17.93*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	161.20	
		For Up To >10, Add	*132.10*	
		For >10 To 25, Add	*86.65*	
		For >25 To 50, Add	*59.02*	
		For >50 To 100, Add	*29.51*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000 To 2,000, Deduct	*-8.20*	
		For >2,000 To 5,000, Deduct	*-12.56*	
		For >5,000, Deduct	*-20.24*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	181.16	
		For Up To >10, Add	*147.28*	
		For >10 To 25, Add	*96.32*	
		For >25 To 50, Add	*65.72*	
		For >50 To 100, Add	*32.86*	
		For >500 To 1,000, Deduct	*-4.87*	
		For >1,000 To 2,000, Deduct	*-9.17*	
		For >2,000 To 5,000, Deduct	*-14.04*	
		For >5,000, Deduct	*-22.65*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	201.59	
		For Up To >10, Add	*163.85*	
		For >10 To 25, Add	*107.14*	
		For >25 To 50, Add	*73.10*	
		For >50 To 100, Add	*36.55*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000 To 2,000, Deduct	*-10.21*	
		For >2,000 To 5,000, Deduct	*-15.63*	
		For >5,000, Deduct	*-25.20*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.52	
		For Up To >10, Add	*191.24*	
		For >10 To 25, Add	*124.01*	
		For >25 To 50, Add	*85.01*	
		For >50 To 100, Add	*42.51*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.03*	
		For >2,000 To 5,000, Deduct	*-18.41*	
		For >5,000, Deduct	*-29.73*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	114.39	
		For Up To >10, Add	*95.75*	
		For >10 To 25, Add	*63.29*	
		For >25 To 50, Add	*42.92*	
		For >50 To 100, Add	*21.46*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000 To 2,000, Deduct	*-5.89*	
		For >2,000 To 5,000, Deduct	*-9.02*	
		For >5,000, Deduct	*-14.52*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	136.83	
		For Up To >10, Add	*111.97*	
		For >10 To 25, Add	*73.40*	
		For >25 To 50, Add	*50.01*	
		For >50 To 100, Add	*25.01*	
		For >500 To 1,000, Deduct	*-3.69*	
		For >1,000 To 2,000, Deduct	*-6.95*	
		For >2,000 To 5,000, Deduct	*-10.65*	
		For >5,000, Deduct	*-17.17*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	158.72	
		For Up To >10, Add	*126.54*	
		For >10 To 25, Add	*82.14*	
		For >25 To 50, Add	*56.28*	
		For >50 To 100, Add	*28.14*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000 To 2,000, Deduct	*-7.95*	
		For >2,000 To 5,000, Deduct	*-12.17*	
		For >5,000, Deduct	*-19.65*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	180.88	
		For Up To >10, Add	*141.94*	
		For >10 To 25, Add	*91.57*	
		For >25 To 50, Add	*62.96*	
		For >50 To 100, Add	*31.48*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000 To 2,000, Deduct	*-8.99*	
		For >2,000 To 5,000, Deduct	*-13.74*	
		For >5,000, Deduct	*-22.21*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	203.40	
		For Up To >10, Add	*158.40*	
		For >10 To 25, Add	*101.88*	
		For >25 To 50, Add	*70.16*	
		For >50 To 100, Add	*35.08*	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000 To 2,000, Deduct	*-10.06*	
		For >2,000 To 5,000, Deduct	*-15.38*	
		For >5,000, Deduct	*-24.88*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	226.38	
		For Up To >10, Add	*176.24*	
		For >10 To 25, Add	*113.34*	
		For >25 To 50, Add	*78.06*	
		For >50 To 100, Add	*39.03*	
		For >500 To 1,000, Deduct	*-5.91*	
		For >1,000 To 2,000, Deduct	*-11.20*	
		For >2,000 To 5,000, Deduct	*-17.11*	
		For >5,000, Deduct	*-27.68*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	270.42	
		For Up To >10, Add	*206.19*	
		For >10 To 25, Add	*131.48*	
		For >25 To 50, Add	*90.99*	
		For >50 To 100, Add	*45.50*	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000 To 2,000, Deduct	*-13.23*	
		For >2,000 To 5,000, Deduct	*-20.20*	
		For >5,000, Deduct	*-32.72*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	315.30	
		For Up To >10, Add	*238.63*	
		For >10 To 25, Add	*151.70*	
		For >25 To 50, Add	*105.17*	
		For >50 To 100, Add	*52.58*	
		For >500 To 1,000, Deduct	*-8.09*	
		For >1,000 To 2,000, Deduct	*-15.37*	
		For >2,000 To 5,000, Deduct	*-23.45*	
		For >5,000, Deduct	*-38.01*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	361.61	
		For Up To >10, Add	*275.38*	
		For >10 To 25, Add	*175.52*	
		For >25 To 50, Add	*121.50*	
		For >50 To 100, Add	*60.75*	
		For >500 To 1,000, Deduct	*-9.31*	
		For >1,000 To 2,000, Deduct	*-17.68*	
		For >2,000 To 5,000, Deduct	*-26.99*	
		For >5,000, Deduct	*-43.73*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	126.31	
		For Up To >10, Add	*101.71*	
		For >10 To 25, Add	*66.27*	
		For >25 To 50, Add	*45.31*	
		For >50 To 100, Add	*22.65*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000 To 2,000, Deduct	*-6.36*	
		For >2,000 To 5,000, Deduct	*-9.74*	
		For >5,000, Deduct	*-15.72*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	151.30	
		For Up To >10, Add	*119.20*	
		For >10 To 25, Add	*77.02*	
		For >25 To 50, Add	*52.91*	
		For >50 To 100, Add	*26.45*	
		For >500 To 1,000, Deduct	*-3.98*	
		For >1,000 To 2,000, Deduct	*-7.53*	
		For >2,000 To 5,000, Deduct	*-11.52*	
		For >5,000, Deduct	*-18.61*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	175.74	
		For Up To >10, Add	*135.05*	
		For >10 To 25, Add	*86.39*	
		For >25 To 50, Add	*59.68*	
		For >50 To 100, Add	*29.84*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000 To 2,000, Deduct	*-8.63*	
		For >2,000 To 5,000, Deduct	*-13.19*	
		For >5,000, Deduct	*-21.35*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	200.47	
		For Up To >10, Add	*151.74*	
		For >10 To 25, Add	*96.47*	
		For >25 To 50, Add	*66.87*	
		For >50 To 100, Add	*33.44*	
		For >500 To 1,000, Deduct	*-5.14*	
		For >1,000 To 2,000, Deduct	*-9.77*	
		For >2,000 To 5,000, Deduct	*-14.91*	
		For >5,000, Deduct	*-24.17*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	225.54	
		For Up To >10, Add	*169.47*	
		For >10 To 25, Add	*107.42*	
		For >25 To 50, Add	*74.59*	
		For >50 To 100, Add	*37.30*	
		For >500 To 1,000, Deduct	*-5.76*	
		For >1,000 To 2,000, Deduct	*-10.95*	
		For >2,000 To 5,000, Deduct	*-16.71*	
		For >5,000, Deduct	*-27.09*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	251.07	
		For Up To >10, Add	*188.59*	
		For >10 To 25, Add	*119.51*	
		For >25 To 50, Add	*83.00*	
		For >50 To 100, Add	*41.50*	
		For >500 To 1,000, Deduct	*-6.41*	
		For >1,000 To 2,000, Deduct	*-12.19*	
		For >2,000 To 5,000, Deduct	*-18.60*	
		For >5,000, Deduct	*-30.15*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	300.23	
		For Up To >10, Add	*221.09*	
		For >10 To 25, Add	*138.94*	
		For >25 To 50, Add	*96.95*	
		For >50 To 100, Add	*48.48*	
		For >500 To 1,000, Deduct	*-7.57*	
		For >1,000 To 2,000, Deduct	*-14.42*	
		For >2,000 To 5,000, Deduct	*-21.99*	
		For >5,000, Deduct	*-35.70*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	350.21	
		For Up To >10, Add	*256.08*	
		For >10 To 25, Add	*160.43*	
		For >25 To 50, Add	*112.15*	
		For >50 To 100, Add	*56.07*	
		For >500 To 1,000, Deduct	*-8.79*	
		For >1,000 To 2,000, Deduct	*-16.76*	
		For >2,000 To 5,000, Deduct	*-25.55*	
		For >5,000, Deduct	*-41.50*	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	401.63	
		For Up To >10, Add	*295.39*	
		For >10 To 25, Add	*185.53*	
		For >25 To 50, Add	*129.51*	
		For >50 To 100, Add	*64.75*	
		For >500 To 1,000, Deduct	*-10.11*	
		For >1,000 To 2,000, Deduct	*-19.28*	
		For >2,000 To 5,000, Deduct	*-29.39*	
		For >5,000, Deduct	*-47.73*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	138.13	
		For Up To >10, Add	*107.62*	
		For >10 To 25, Add	*69.23*	
		For >25 To 50, Add	*47.67*	
		For >50 To 100, Add	*23.84*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000 To 2,000, Deduct	*-6.84*	
		For >2,000 To 5,000, Deduct	*-10.45*	
		For >5,000, Deduct	*-16.90*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	165.67	
		For Up To >10, Add	*126.39*	
		For >10 To 25, Add	*80.61*	
		For >25 To 50, Add	*55.78*	
		For >50 To 100, Add	*27.89*	
		For >500 To 1,000, Deduct	*-4.27*	
		For >1,000 To 2,000, Deduct	*-8.11*	
		For >2,000 To 5,000, Deduct	*-12.38*	
		For >5,000, Deduct	*-20.05*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	192.67	
		For Up To >10, Add	*143.51*	
		For >10 To 25, Add	*90.63*	
		For >25 To 50, Add	*63.07*	
		For >50 To 100, Add	*31.53*	
		For >500 To 1,000, Deduct	*-4.89*	
		For >1,000 To 2,000, Deduct	*-9.31*	
		For >2,000 To 5,000, Deduct	*-14.20*	
		For >5,000, Deduct	*-23.04*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	219.95	
		For Up To >10, Add	*161.48*	
		For >10 To 25, Add	*101.34*	
		For >25 To 50, Add	*70.77*	
		For >50 To 100, Add	*35.39*	
		For >500 To 1,000, Deduct	*-5.53*	
		For >1,000 To 2,000, Deduct	*-10.55*	
		For >2,000 To 5,000, Deduct	*-16.08*	
		For >5,000, Deduct	*-26.12*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	247.57	
		For Up To >10, Add	*180.49*	
		For >10 To 25, Add	*112.92*	
		For >25 To 50, Add	*79.00*	
		For >50 To 100, Add	*39.50*	
		For >500 To 1,000, Deduct	*-6.20*	
		For >1,000 To 2,000, Deduct	*-11.83*	
		For >2,000 To 5,000, Deduct	*-18.03*	
		For >5,000, Deduct	*-29.29*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	275.66	
		For Up To >10, Add	*200.88*	
		For >10 To 25, Add	*125.66*	
		For >25 To 50, Add	*87.92*	
		For >50 To 100, Add	*43.96*	
		For >500 To 1,000, Deduct	*-6.90*	
		For >1,000 To 2,000, Deduct	*-13.17*	
		For >2,000 To 5,000, Deduct	*-20.07*	
		For >5,000, Deduct	*-32.61*	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	329.93	
		For Up To >10, Add	*235.94*	
		For >10 To 25, Add	*146.36*	
		For >25 To 50, Add	*102.89*	
		For >50 To 100, Add	*51.45*	
		For >500 To 1,000, Deduct	*-8.16*	
		For >1,000 To 2,000, Deduct	*-15.61*	
		For >2,000 To 5,000, Deduct	*-23.77*	
		For >5,000, Deduct	*-38.67*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	385.02	
		For Up To >10, Add	*273.49*	
		For >10 To 25, Add	*169.13*	
		For >25 To 50, Add	*119.11*	
		For >50 To 100, Add	*59.56*	
		For >500 To 1,000, Deduct	*-9.48*	
		For >1,000 To 2,000, Deduct	*-18.15*	
		For >2,000 To 5,000, Deduct	*-27.64*	
		For >5,000, Deduct	*-44.98*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	441.55	
		For Up To >10, Add	*315.35*	
		For >10 To 25, Add	*195.51*	
		For >25 To 50, Add	*137.49*	
		For >50 To 100, Add	*68.74*	
		For >500 To 1,000, Deduct	*-10.91*	
		For >1,000 To 2,000, Deduct	*-20.88*	
		For >2,000 To 5,000, Deduct	*-31.79*	
		For >5,000, Deduct	*-51.72*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	179.94	
		For Up To >10, Add	*133.52*	
		For >10 To 25, Add	*84.18*	
		For >25 To 50, Add	*58.63*	
		For >50 To 100, Add	*29.32*	
		For >500 To 1,000, Deduct	*-4.56*	
		For >1,000 To 2,000, Deduct	*-8.68*	
		For >2,000 To 5,000, Deduct	*-13.24*	
		For >5,000, Deduct	*-21.48*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	209.50	
		For Up To >10, Add	*151.93*	
		For >10 To 25, Add	*94.83*	
		For >25 To 50, Add	*66.43*	
		For >50 To 100, Add	*33.22*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000 To 2,000, Deduct	*-9.98*	
		For >2,000 To 5,000, Deduct	*-15.21*	
		For >5,000, Deduct	*-24.72*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.33	
		For Up To >10, Add	*171.17*	
		For >10 To 25, Add	*106.18*	
		For >25 To 50, Add	*74.65*	
		For >50 To 100, Add	*37.32*	
		For >500 To 1,000, Deduct	*-5.92*	
		For >1,000 To 2,000, Deduct	*-11.32*	
		For >2,000 To 5,000, Deduct	*-17.24*	
		For >5,000, Deduct	*-28.05*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	269.51	
		For Up To >10, Add	*191.46*	
		For >10 To 25, Add	*118.41*	
		For >25 To 50, Add	*83.39*	
		For >50 To 100, Add	*41.69*	
		For >500 To 1,000, Deduct	*-6.64*	
		For >1,000 To 2,000, Deduct	*-12.71*	
		For >2,000 To 5,000, Deduct	*-19.35*	
		For >5,000, Deduct	*-31.49*	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	300.15	
		For Up To >10, Add	*213.13*	
		For >10 To 25, Add	*131.78*	
		For >25 To 50, Add	*92.82*	
		For >50 To 100, Add	*46.41*	
		For >500 To 1,000, Deduct	*-7.39*	
		For >1,000 To 2,000, Deduct	*-14.15*	
		For >2,000 To 5,000, Deduct	*-21.54*	
		For >5,000, Deduct	*-35.06*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	359.53	
		For Up To >10, Add	*250.74*	
		For >10 To 25, Add	*153.76*	
		For >25 To 50, Add	*108.81*	
		For >50 To 100, Add	*54.41*	
		For >500 To 1,000, Deduct	*-8.75*	
		For >1,000 To 2,000, Deduct	*-16.79*	
		For >2,000 To 5,000, Deduct	*-25.55*	
		For >5,000, Deduct	*-41.63*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	419.73	
		For Up To >10, Add	*290.84*	
		For >10 To 25, Add	*177.81*	
		For >25 To 50, Add	*126.05*	
		For >50 To 100, Add	*63.03*	
		For >500 To 1,000, Deduct	*-10.18*	
		For >1,000 To 2,000, Deduct	*-19.54*	
		For >2,000 To 5,000, Deduct	*-29.72*	
		For >5,000, Deduct	*-48.45*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	481.37	
		For Up To >10, Add	*335.26*	
		For >10 To 25, Add	*205.46*	
		For >25 To 50, Add	*145.45*	
		For >50 To 100, Add	*72.73*	
		For >500 To 1,000, Deduct	*-11.71*	
		For >1,000 To 2,000, Deduct	*-22.47*	
		For >2,000 To 5,000, Deduct	*-34.18*	
		For >5,000, Deduct	*-55.70*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	545.11	
		For Up To >10, Add	*385.96*	
		For >10 To 25, Add	*238.34*	
		For >25 To 50, Add	*167.99*	
		For >50 To 100, Add	*84.00*	
		For >500 To 1,000, Deduct	*-13.40*	
		For >1,000 To 2,000, Deduct	*-25.66*	
		For >2,000 To 5,000, Deduct	*-39.06*	
		For >5,000, Deduct	*-63.58*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	195.03	
		For Up To >10, Add	*143.34*	
		For >10 To 25, Add	*90.00*	
		For >25 To 50, Add	*62.84*	
		For >50 To 100, Add	*31.42*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000 To 2,000, Deduct	*-9.36*	
		For >2,000 To 5,000, Deduct	*-14.27*	
		For >5,000, Deduct	*-23.17*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	227.22	
		For Up To >10, Add	*163.29*	
		For >10 To 25, Add	*101.51*	
		For >25 To 50, Add	*71.28*	
		For >50 To 100, Add	*35.64*	
		For >500 To 1,000, Deduct	*-5.64*	
		For >1,000 To 2,000, Deduct	*-10.78*	
		For >2,000 To 5,000, Deduct	*-16.42*	
		For >5,000, Deduct	*-26.70*	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	259.70	
		For Up To >10, Add	*184.08*	
		For >10 To 25, Add	*113.73*	
		For >25 To 50, Add	*80.14*	
		For >50 To 100, Add	*40.07*	
		For >500 To 1,000, Deduct	*-6.39*	
		For >1,000 To 2,000, Deduct	*-12.23*	
		For >2,000 To 5,000, Deduct	*-18.62*	
		For >5,000, Deduct	*-30.31*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	292.53	
		For Up To >10, Add	*205.92*	
		For >10 To 25, Add	*126.82*	
		For >25 To 50, Add	*89.52*	
		For >50 To 100, Add	*44.76*	
		For >500 To 1,000, Deduct	*-7.16*	
		For >1,000 To 2,000, Deduct	*-13.73*	
		For >2,000 To 5,000, Deduct	*-20.89*	
		For >5,000, Deduct	*-34.03*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	325.81	
		For Up To >10, Add	*229.13*	
		For >10 To 25, Add	*141.06*	
		For >25 To 50, Add	*99.60*	
		For >50 To 100, Add	*49.80*	
		For >500 To 1,000, Deduct	*-7.97*	
		For >1,000 To 2,000, Deduct	*-15.28*	
		For >2,000 To 5,000, Deduct	*-23.26*	
		For >5,000, Deduct	*-37.88*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	390.40	
		For Up To >10, Add	*269.60*	
		For >10 To 25, Add	*164.56*	
		For >25 To 50, Add	*116.77*	
		For >50 To 100, Add	*58.38*	
		For >500 To 1,000, Deduct	*-9.44*	
		For >1,000 To 2,000, Deduct	*-18.15*	
		For >2,000 To 5,000, Deduct	*-27.59*	
		For >5,000, Deduct	*-44.99*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	455.97	
		For Up To >10, Add	*313.04*	
		For >10 To 25, Add	*190.54*	
		For >25 To 50, Add	*135.42*	
		For >50 To 100, Add	*67.71*	
		For >500 To 1,000, Deduct	*-10.99*	
		For >1,000 To 2,000, Deduct	*-21.13*	
		For >2,000 To 5,000, Deduct	*-32.12*	
		For >5,000, Deduct	*-52.40*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	522.99	
		For Up To >10, Add	*360.82*	
		For >10 To 25, Add	*220.14*	
		For >25 To 50, Add	*156.25*	
		For >50 To 100, Add	*78.12*	
		For >500 To 1,000, Deduct	*-12.64*	
		For >1,000 To 2,000, Deduct	*-24.30*	
		For >2,000 To 5,000, Deduct	*-36.94*	
		For >5,000, Deduct	*-60.25*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	592.21	
		For Up To >10, Add	*415.18*	
		For >10 To 25, Add	*255.22*	
		For >25 To 50, Add	*180.36*	
		For >50 To 100, Add	*90.18*	
		For >500 To 1,000, Deduct	*-14.46*	
		For >1,000 To 2,000, Deduct	*-27.74*	
		For >2,000 To 5,000, Deduct	*-42.20*	
		For >5,000, Deduct	*-68.75*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	667.77	
		For Up To >10, Add	*488.59*	
		For >10 To 25, Add	*306.17*	
		For >25 To 50, Add	*214.00*	
		For >50 To 100, Add	*107.00*	
		For >500 To 1,000, Deduct	*-16.76*	
		For >1,000 To 2,000, Deduct	*-31.97*	
		For >2,000 To 5,000, Deduct	*-48.73*	
		For >5,000, Deduct	*-79.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	751.58	
		For Up To >10, Add	*586.74*	
		For >10 To 25, Add	*377.75*	
		For >25 To 50, Add	*260.01*	
		For >50 To 100, Add	*130.01*	
		For >500 To 1,000, Deduct	*-19.67*	
		For >1,000 To 2,000, Deduct	*-37.24*	
		For >2,000 To 5,000, Deduct	*-56.91*	
		For >5,000, Deduct	*-92.03*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	841.92	
		For Up To >10, Add	*704.49*	
		For >10 To 25, Add	*465.65*	
		For >25 To 50, Add	*315.82*	
		For >50 To 100, Add	*157.91*	
		For >500 To 1,000, Deduct	*-23.08*	
		For >1,000 To 2,000, Deduct	*-43.32*	
		For >2,000 To 5,000, Deduct	*-66.39*	
		For >5,000, Deduct	*-106.87*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	209.10	
		For Up To >10, Add	*150.38*	
		For >10 To 25, Add	*93.52*	
		For >25 To 50, Add	*65.65*	
		For >50 To 100, Add	*32.82*	
		For >500 To 1,000, Deduct	*-5.19*	
		For >1,000 To 2,000, Deduct	*-9.92*	
		For >2,000 To 5,000, Deduct	*-15.11*	
		For >5,000, Deduct	*-24.58*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	243.85	
		For Up To >10, Add	*171.60*	
		For >10 To 25, Add	*105.67*	
		For >25 To 50, Add	*74.60*	
		For >50 To 100, Add	*37.30*	
		For >500 To 1,000, Deduct	*-5.97*	
		For >1,000 To 2,000, Deduct	*-11.44*	
		For >2,000 To 5,000, Deduct	*-17.41*	
		For >5,000, Deduct	*-28.36*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	278.88	
		For Up To >10, Add	*193.67*	
		For >10 To 25, Add	*118.52*	
		For >25 To 50, Add	*83.97*	
		For >50 To 100, Add	*41.99*	
		For >500 To 1,000, Deduct	*-6.77*	
		For >1,000 To 2,000, Deduct	*-13.00*	
		For >2,000 To 5,000, Deduct	*-19.77*	
		For >5,000, Deduct	*-32.23*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	314.26	
		For Up To >10, Add	*216.78*	
		For >10 To 25, Add	*132.25*	
		For >25 To 50, Add	*93.87*	
		For >50 To 100, Add	*46.94*	
		For >500 To 1,000, Deduct	*-7.60*	
		For >1,000 To 2,000, Deduct	*-14.60*	
		For >2,000 To 5,000, Deduct	*-22.20*	
		For >5,000, Deduct	*-36.20*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	350.10	
		For Up To >10, Add	*241.28*	
		For >10 To 25, Add	*147.13*	
		For >25 To 50, Add	*104.46*	
		For >50 To 100, Add	*52.23*	
		For >500 To 1,000, Deduct	*-8.46*	
		For >1,000 To 2,000, Deduct	*-16.26*	
		For >2,000 To 5,000, Deduct	*-24.71*	
		For >5,000, Deduct	*-40.31*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	419.80	
		For Up To >10, Add	*284.30*	
		For >10 To 25, Add	*171.91*	
		For >25 To 50, Add	*122.65*	
		For >50 To 100, Add	*61.32*	
		For >500 To 1,000, Deduct	*-10.03*	
		For >1,000 To 2,000, Deduct	*-19.32*	
		For >2,000 To 5,000, Deduct	*-29.35*	
		For >5,000, Deduct	*-47.93*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	490.48	
		For Up To >10, Add	*330.29*	
		For >10 To 25, Add	*199.17*	
		For >25 To 50, Add	*142.32*	
		For >50 To 100, Add	*71.16*	
		For >500 To 1,000, Deduct	*-11.68*	
		For >1,000 To 2,000, Deduct	*-22.51*	
		For >2,000 To 5,000, Deduct	*-34.19*	
		For >5,000, Deduct	*-55.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	562.61	
		For Up To >10, Add	*380.63*	
		For >10 To 25, Add	*230.05*	
		For >25 To 50, Add	*164.17*	
		For >50 To 100, Add	*82.09*	
		For >500 To 1,000, Deduct	*-13.44*	
		For >1,000 To 2,000, Deduct	*-25.88*	
		For >2,000 To 5,000, Deduct	*-39.32*	
		For >5,000, Deduct	*-64.21*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	636.93	
		For Up To >10, Add	*437.54*	
		For >10 To 25, Add	*266.40*	
		For >25 To 50, Add	*189.31*	
		For >50 To 100, Add	*94.65*	
		For >500 To 1,000, Deduct	*-15.36*	
		For >1,000 To 2,000, Deduct	*-29.53*	
		For >2,000 To 5,000, Deduct	*-44.88*	
		For >5,000, Deduct	*-73.22*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	717.60	
		For Up To >10, Add	*513.50*	
		For >10 To 25, Add	*318.63*	
		For >25 To 50, Add	*223.96*	
		For >50 To 100, Add	*111.98*	
		For >500 To 1,000, Deduct	*-17.76*	
		For >1,000 To 2,000, Deduct	*-33.96*	
		For >2,000 To 5,000, Deduct	*-51.72*	
		For >5,000, Deduct	*-84.14*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	806.53	
		For Up To >10, Add	*614.22*	
		For >10 To 25, Add	*391.49*	
		For >25 To 50, Add	*271.00*	
		For >50 To 100, Add	*135.50*	
		For >500 To 1,000, Deduct	*-20.77*	
		For >1,000 To 2,000, Deduct	*-39.43*	
		For >2,000 To 5,000, Deduct	*-60.21*	
		For >5,000, Deduct	*-97.53*	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	901.98	
		For Up To >10, Add	*734.52*	
		For >10 To 25, Add	*480.67*	
		For >25 To 50, Add	*327.83*	
		For >50 To 100, Add	*163.91*	
		For >500 To 1,000, Deduct	*-24.28*	
		For >1,000 To 2,000, Deduct	*-45.72*	
		For >2,000 To 5,000, Deduct	*-70.00*	
		For >5,000, Deduct	*-112.88*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	223.97	
		For Up To >10, Add	*160.06*	
		For >10 To 25, Add	*99.26*	
		For >25 To 50, Add	*69.79*	
		For >50 To 100, Add	*34.90*	
		For >500 To 1,000, Deduct	*-5.54*	
		For >1,000 To 2,000, Deduct	*-10.59*	
		For >2,000 To 5,000, Deduct	*-16.13*	
		For >5,000, Deduct	*-26.24*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	261.36	
		For Up To >10, Add	*182.83*	
		For >10 To 25, Add	*112.28*	
		For >25 To 50, Add	*79.39*	
		For >50 To 100, Add	*39.70*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.23*	
		For >2,000 To 5,000, Deduct	*-18.60*	
		For >5,000, Deduct	*-30.31*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	299.04	
		For Up To >10, Add	*206.45*	
		For >10 To 25, Add	*125.99*	
		For >25 To 50, Add	*89.41*	
		For >50 To 100, Add	*44.70*	
		For >500 To 1,000, Deduct	*-7.23*	
		For >1,000 To 2,000, Deduct	*-13.90*	
		For >2,000 To 5,000, Deduct	*-21.13*	
		For >5,000, Deduct	*-34.46*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	337.08	
		For Up To >10, Add	*231.14*	
		For >10 To 25, Add	*140.61*	
		For >25 To 50, Add	*99.97*	
		For >50 To 100, Add	*49.98*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000 To 2,000, Deduct	*-15.61*	
		For >2,000 To 5,000, Deduct	*-23.73*	
		For >5,000, Deduct	*-38.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	375.57	
		For Up To >10, Add	*257.21*	
		For >10 To 25, Add	*156.38*	
		For >25 To 50, Add	*111.22*	
		For >50 To 100, Add	*55.61*	
		For >500 To 1,000, Deduct	*-9.04*	
		For >1,000 To 2,000, Deduct	*-17.38*	
		For >2,000 To 5,000, Deduct	*-26.42*	
		For >5,000, Deduct	*-43.11*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	450.63	
		For Up To >10, Add	*303.57*	
		For >10 To 25, Add	*183.08*	
		For >25 To 50, Add	*130.82*	
		For >50 To 100, Add	*65.41*	
		For >500 To 1,000, Deduct	*-10.73*	
		For >1,000 To 2,000, Deduct	*-20.69*	
		For >2,000 To 5,000, Deduct	*-31.42*	
		For >5,000, Deduct	*-51.32*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	526.62	
		For Up To >10, Add	*352.69*	
		For >10 To 25, Add	*212.09*	
		For >25 To 50, Add	*151.80*	
		For >50 To 100, Add	*75.90*	
		For >500 To 1,000, Deduct	*-12.50*	
		For >1,000 To 2,000, Deduct	*-24.10*	
		For >2,000 To 5,000, Deduct	*-36.60*	
		For >5,000, Deduct	*-59.81*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	604.05	
		For Up To >10, Add	*406.15*	
		For >10 To 25, Add	*244.73*	
		For >25 To 50, Add	*174.96*	
		For >50 To 100, Add	*87.48*	
		For >500 To 1,000, Deduct	*-14.37*	
		For >1,000 To 2,000, Deduct	*-27.70*	
		For >2,000 To 5,000, Deduct	*-42.07*	
		For >5,000, Deduct	*-68.74*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	683.93	
		For Up To >10, Add	*466.97*	
		For >10 To 25, Add	*283.48*	
		For >25 To 50, Add	*201.79*	
		For >50 To 100, Add	*100.89*	
		For >500 To 1,000, Deduct	*-16.43*	
		For >1,000 To 2,000, Deduct	*-31.61*	
		For >2,000 To 5,000, Deduct	*-48.04*	
		For >5,000, Deduct	*-78.39*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	770.42	
		For Up To >10, Add	*547.61*	
		For >10 To 25, Add	*338.77*	
		For >25 To 50, Add	*238.53*	
		For >50 To 100, Add	*119.27*	
		For >500 To 1,000, Deduct	*-18.98*	
		For >1,000 To 2,000, Deduct	*-36.34*	
		For >2,000 To 5,000, Deduct	*-55.32*	
		For >5,000, Deduct	*-90.03*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	865.55	
		For Up To >10, Add	*654.15*	
		For >10 To 25, Add	*415.63*	
		For >25 To 50, Add	*288.23*	
		For >50 To 100, Add	*144.11*	
		For >500 To 1,000, Deduct	*-22.18*	
		For >1,000 To 2,000, Deduct	*-42.15*	
		For >2,000 To 5,000, Deduct	*-64.33*	
		For >5,000, Deduct	*-104.27*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	967.66	
		For Up To >10, Add	*781.66*	
		For >10 To 25, Add	*509.96*	
		For >25 To 50, Add	*348.40*	
		For >50 To 100, Add	*174.20*	
		For >500 To 1,000, Deduct	*-25.91*	
		For >1,000 To 2,000, Deduct	*-48.83*	
		For >2,000 To 5,000, Deduct	*-74.74*	
		For >5,000, Deduct	*-120.59*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	237.84	
		For Up To >10, Add	*167.00*	
		For >10 To 25, Add	*102.73*	
		For >25 To 50, Add	*72.57*	
		For >50 To 100, Add	*36.28*	
		For >500 To 1,000, Deduct	*-5.81*	
		For >1,000 To 2,000, Deduct	*-11.15*	
		For >2,000 To 5,000, Deduct	*-16.96*	
		For >5,000, Deduct	*-27.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	277.79	
		For Up To >10, Add	*191.05*	
		For >10 To 25, Add	*116.38*	
		For >25 To 50, Add	*82.68*	
		For >50 To 100, Add	*41.34*	
		For >500 To 1,000, Deduct	*-6.70*	
		For >1,000 To 2,000, Deduct	*-12.88*	
		For >2,000 To 5,000, Deduct	*-19.59*	
		For >5,000, Deduct	*-31.95*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	318.02	
		For Up To >10, Add	*215.94*	
		For >10 To 25, Add	*130.74*	
		For >25 To 50, Add	*93.21*	
		For >50 To 100, Add	*46.60*	
		For >500 To 1,000, Deduct	*-7.61*	
		For >1,000 To 2,000, Deduct	*-14.66*	
		For >2,000 To 5,000, Deduct	*-22.27*	
		For >5,000, Deduct	*-36.36*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	358.61	
		For Up To >10, Add	*241.91*	
		For >10 To 25, Add	*145.99*	
		For >25 To 50, Add	*104.27*	
		For >50 To 100, Add	*52.14*	
		For >500 To 1,000, Deduct	*-8.55*	
		For >1,000 To 2,000, Deduct	*-16.47*	
		For >2,000 To 5,000, Deduct	*-25.02*	
		For >5,000, Deduct	*-40.87*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	399.66	
		For Up To >10, Add	*269.26*	
		For >10 To 25, Add	*162.40*	
		For >25 To 50, Add	*116.03*	
		For >50 To 100, Add	*58.02*	
		For >500 To 1,000, Deduct	*-9.52*	
		For >1,000 To 2,000, Deduct	*-18.35*	
		For >2,000 To 5,000, Deduct	*-27.87*	
		For >5,000, Deduct	*-45.52*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	479.83	
		For Up To >10, Add	*318.17*	
		For >10 To 25, Add	*190.38*	
		For >25 To 50, Add	*136.66*	
		For >50 To 100, Add	*68.33*	
		For >500 To 1,000, Deduct	*-11.32*	
		For >1,000 To 2,000, Deduct	*-21.85*	
		For >2,000 To 5,000, Deduct	*-33.17*	
		For >5,000, Deduct	*-54.24*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	560.92	
		For Up To >10, Add	*369.84*	
		For >10 To 25, Add	*220.67*	
		For >25 To 50, Add	*158.66*	
		For >50 To 100, Add	*79.33*	
		For >500 To 1,000, Deduct	*-13.18*	
		For >1,000 To 2,000, Deduct	*-25.48*	
		For >2,000 To 5,000, Deduct	*-38.66*	
		For >5,000, Deduct	*-63.24*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	643.46	
		For Up To >10, Add	*425.86*	
		For >10 To 25, Add	*254.58*	
		For >25 To 50, Add	*182.84*	
		For >50 To 100, Add	*91.42*	
		For >500 To 1,000, Deduct	*-15.16*	
		For >1,000 To 2,000, Deduct	*-29.28*	
		For >2,000 To 5,000, Deduct	*-44.44*	
		For >5,000, Deduct	*-72.68*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	728.46	
		For Up To >10, Add	*489.23*	
		For >10 To 25, Add	*294.62*	
		For >25 To 50, Add	*210.69*	
		For >50 To 100, Add	*105.35*	
		For >500 To 1,000, Deduct	*-17.32*	
		For >1,000 To 2,000, Deduct	*-33.39*	
		For >2,000 To 5,000, Deduct	*-50.71*	
		For >5,000, Deduct	*-82.85*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	820.06	
		For Up To >10, Add	*572.43*	
		For >10 To 25, Add	*351.18*	
		For >25 To 50, Add	*248.46*	
		For >50 To 100, Add	*124.23*	
		For >500 To 1,000, Deduct	*-19.97*	
		For >1,000 To 2,000, Deduct	*-38.32*	
		For >2,000 To 5,000, Deduct	*-58.30*	
		For >5,000, Deduct	*-95.00*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	920.29	
		For Up To >10, Add	*681.52*	
		For >10 To 25, Add	*429.31*	
		For >25 To 50, Add	*299.17*	
		For >50 To 100, Add	*149.59*	
		For >500 To 1,000, Deduct	*-23.28*	
		For >1,000 To 2,000, Deduct	*-44.34*	
		For >2,000 To 5,000, Deduct	*-67.61*	
		For >5,000, Deduct	*-109.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,027.51	
		For Up To >10, Add	*811.58*	
		For >10 To 25, Add	*524.92*	
		For >25 To 50, Add	*360.37*	
		For >50 To 100, Add	*180.19*	
		For >500 To 1,000, Deduct	*-27.10*	
		For >1,000 To 2,000, Deduct	*-51.23*	
		For >2,000 To 5,000, Deduct	*-78.33*	
		For >5,000, Deduct	*-126.58*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	252.62	
		For Up To >10, Add	*176.91*	
		For >10 To 25, Add	*108.70*	
		For >25 To 50, Add	*76.84*	
		For >50 To 100, Add	*38.42*	
		For >500 To 1,000, Deduct	*-6.17*	
		For >1,000 To 2,000, Deduct	*-11.83*	
		For >2,000 To 5,000, Deduct	*-17.99*	
		For >5,000, Deduct	*-29.31*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	295.12	
		For Up To >10, Add	*202.24*	
		For >10 To 25, Add	*122.99*	
		For >25 To 50, Add	*87.46*	
		For >50 To 100, Add	*43.73*	
		For >500 To 1,000, Deduct	*-7.11*	
		For >1,000 To 2,000, Deduct	*-13.66*	
		For >2,000 To 5,000, Deduct	*-20.77*	
		For >5,000, Deduct	*-33.89*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	337.99	
		For Up To >10, Add	*228.65*	
		For >10 To 25, Add	*138.18*	
		For >25 To 50, Add	*98.62*	
		For >50 To 100, Add	*49.31*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000 To 2,000, Deduct	*-15.55*	
		For >2,000 To 5,000, Deduct	*-23.62*	
		For >5,000, Deduct	*-38.57*	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	381.22	
		For Up To >10, Add	*256.16*	
		For >10 To 25, Add	*154.30*	
		For >25 To 50, Add	*110.33*	
		For >50 To 100, Add	*55.17*	
		For >500 To 1,000, Deduct	*-9.07*	
		For >1,000 To 2,000, Deduct	*-17.48*	
		For >2,000 To 5,000, Deduct	*-26.54*	
		For >5,000, Deduct	*-43.37*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	425.10	
		For Up To >10, Add	*285.60*	
		For >10 To 25, Add	*172.02*	
		For >25 To 50, Add	*123.01*	
		For >50 To 100, Add	*61.50*	
		For >500 To 1,000, Deduct	*-10.11*	
		For >1,000 To 2,000, Deduct	*-19.49*	
		For >2,000 To 5,000, Deduct	*-29.60*	
		For >5,000, Deduct	*-48.35*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	510.47	
		For Up To >10, Add	*337.34*	
		For >10 To 25, Add	*201.51*	
		For >25 To 50, Add	*144.79*	
		For >50 To 100, Add	*72.39*	
		For >500 To 1,000, Deduct	*-12.02*	
		For >1,000 To 2,000, Deduct	*-23.21*	
		For >2,000 To 5,000, Deduct	*-35.23*	
		For >5,000, Deduct	*-57.62*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	619.55	
		For Up To >10, Add	*403.45*	
		For >10 To 25, Add	*239.20*	
		For >25 To 50, Add	*172.62*	
		For >50 To 100, Add	*86.31*	
		For >500 To 1,000, Deduct	*-14.45*	
		For >1,000 To 2,000, Deduct	*-27.97*	
		For >2,000 To 5,000, Deduct	*-42.42*	
		For >5,000, Deduct	*-69.45*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	684.86	
		For Up To >10, Add	*451.76*	
		For >10 To 25, Add	*269.61*	
		For >25 To 50, Add	*193.82*	
		For >50 To 100, Add	*96.91*	
		For >500 To 1,000, Deduct	*-16.10*	
		For >1,000 To 2,000, Deduct	*-31.11*	
		For >2,000 To 5,000, Deduct	*-47.21*	
		For >5,000, Deduct	*-77.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	775.41	
		For Up To >10, Add	*519.03*	
		For >10 To 25, Add	*312.05*	
		For >25 To 50, Add	*223.37*	
		For >50 To 100, Add	*111.69*	
		For >500 To 1,000, Deduct	*-18.40*	
		For >1,000 To 2,000, Deduct	*-35.48*	
		For >2,000 To 5,000, Deduct	*-53.88*	
		For >5,000, Deduct	*-88.05*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	872.86	
		For Up To >10, Add	*607.01*	
		For >10 To 25, Add	*371.73*	
		For >25 To 50, Add	*263.27*	
		For >50 To 100, Add	*131.64*	
		For >500 To 1,000, Deduct	*-21.21*	
		For >1,000 To 2,000, Deduct	*-40.71*	
		For >2,000 To 5,000, Deduct	*-61.92*	
		For >5,000, Deduct	*-100.93*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	979.38	
		For Up To >10, Add	*722.19*	
		For >10 To 25, Add	*454.10*	
		For >25 To 50, Add	*316.78*	
		For >50 To 100, Add	*158.39*	
		For >500 To 1,000, Deduct	*-24.70*	
		For >1,000 To 2,000, Deduct	*-47.08*	
		For >2,000 To 5,000, Deduct	*-71.78*	
		For >5,000, Deduct	*-116.54*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,093.16	
		For Up To >10, Add	*859.16*	
		For >10 To 25, Add	*554.61*	
		For >25 To 50, Add	*381.17*	
		For >50 To 100, Add	*190.59*	
		For >500 To 1,000, Deduct	*-28.74*	
		For >1,000 To 2,000, Deduct	*-54.35*	
		For >2,000 To 5,000, Deduct	*-83.09*	
		For >5,000, Deduct	*-134.32*	

33 01 30 72-0159 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0160	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	311.35	
		For Up To >10, Add	*210.35*	
		For >10 To 25, Add	*127.05*	
		For >25 To 50, Add	*90.70*	
		For >50 To 100, Add	*45.35*	
		For >500 To 1,000, Deduct	*-7.43*	
		For >1,000 To 2,000, Deduct	*-14.31*	
		For >2,000 To 5,000, Deduct	*-21.74*	
		For >5,000, Deduct	*-35.51*	
33 01 30 72-0161	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	356.77	
		For Up To >10, Add	*238.04*	
		For >10 To 25, Add	*142.88*	
		For >25 To 50, Add	*102.37*	
		For >50 To 100, Add	*51.19*	
		For >500 To 1,000, Deduct	*-8.45*	
		For >1,000 To 2,000, Deduct	*-16.30*	
		For >2,000 To 5,000, Deduct	*-24.75*	
		For >5,000, Deduct	*-40.45*	
33 01 30 72-0162	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	402.56	
		For Up To >10, Add	*266.83*	
		For >10 To 25, Add	*159.64*	
		For >25 To 50, Add	*114.60*	
		For >50 To 100, Add	*57.30*	
		For >500 To 1,000, Deduct	*-9.49*	
		For >1,000 To 2,000, Deduct	*-18.33*	
		For >2,000 To 5,000, Deduct	*-27.82*	
		For >5,000, Deduct	*-45.50*	
33 01 30 72-0163	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.99	
		For Up To >10, Add	*297.55*	
		For >10 To 25, Add	*177.99*	
		For >25 To 50, Add	*127.78*	
		For >50 To 100, Add	*63.89*	
		For >500 To 1,000, Deduct	*-10.59*	
		For >1,000 To 2,000, Deduct	*-20.44*	
		For >2,000 To 5,000, Deduct	*-31.03*	
		For >5,000, Deduct	*-50.74*	
33 01 30 72-0164	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	539.47	
		For Up To >10, Add	*351.84*	
		For >10 To 25, Add	*208.76*	
		For >25 To 50, Add	*150.59*	
		For >50 To 100, Add	*75.29*	
		For >500 To 1,000, Deduct	*-12.60*	
		For >1,000 To 2,000, Deduct	*-24.37*	
		For >2,000 To 5,000, Deduct	*-36.97*	
		For >5,000, Deduct	*-60.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0165	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	630.96	
		For Up To >10, Add	*409.16*	
		For >10 To 25, Add	*242.05*	
		For >25 To 50, Add	*174.90*	
		For >50 To 100, Add	*87.45*	
		For >500 To 1,000, Deduct	*-14.68*	
		For >1,000 To 2,000, Deduct	*-28.42*	
		For >2,000 To 5,000, Deduct	*-43.10*	
		For >5,000, Deduct	*-70.59*	
33 01 30 72-0166	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	724.08	
		For Up To >10, Add	*471.37*	
		For >10 To 25, Add	*279.41*	
		For >25 To 50, Add	*201.67*	
		For >50 To 100, Add	*100.83*	
		For >500 To 1,000, Deduct	*-16.89*	
		For >1,000 To 2,000, Deduct	*-32.68*	
		For >2,000 To 5,000, Deduct	*-49.57*	
		For >5,000, Deduct	*-81.15*	
33 01 30 72-0167	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	819.74	
		For Up To >10, Add	*541.20*	
		For >10 To 25, Add	*323.13*	
		For >25 To 50, Add	*232.24*	
		For >50 To 100, Add	*116.12*	
		For >500 To 1,000, Deduct	*-19.28*	
		For >1,000 To 2,000, Deduct	*-37.25*	
		For >2,000 To 5,000, Deduct	*-56.54*	
		For >5,000, Deduct	*-92.48*	
33 01 30 72-0168	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	922.30	
		For Up To >10, Add	*631.73*	
		For >10 To 25, Add	*384.09*	
		For >25 To 50, Add	*273.16*	
		For >50 To 100, Add	*136.58*	
		For >500 To 1,000, Deduct	*-22.20*	
		For >1,000 To 2,000, Deduct	*-42.69*	
		For >2,000 To 5,000, Deduct	*-64.89*	
		For >5,000, Deduct	*-105.88*	
33 01 30 72-0169	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,033.93	
		For Up To >10, Add	*749.47*	
		For >10 To 25, Add	*467.73*	
		For >25 To 50, Add	*327.69*	
		For >50 To 100, Add	*163.84*	
		For >500 To 1,000, Deduct	*-25.79*	
		For >1,000 To 2,000, Deduct	*-49.26*	
		For >2,000 To 5,000, Deduct	*-75.06*	
		For >5,000, Deduct	*-121.99*	
33 01 30 72-0170	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,152.82	
		For Up To >10, Add	*888.99*	
		For >10 To 25, Add	*569.52*	
		For >25 To 50, Add	*393.10*	
		For >50 To 100, Add	*196.55*	
		For >500 To 1,000, Deduct	*-29.93*	
		For >1,000 To 2,000, Deduct	*-56.74*	
		For >2,000 To 5,000, Deduct	*-86.67*	
		For >5,000, Deduct	*-140.29*	

33 01 30 72-0171 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0172	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	328.56	
		For Up To >10, Add	*221.68*	
		For >10 To 25, Add	*133.80*	
		For >25 To 50, Add	*95.56*	
		For >50 To 100, Add	*47.78*	
		For >500 To 1,000, Deduct	*-7.83*	
		For >1,000 To 2,000, Deduct	*-15.09*	
		For >2,000 To 5,000, Deduct	*-22.93*	
		For >5,000, Deduct	*-37.45*	
33 01 30 72-0173	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	376.62	
		For Up To >10, Add	*250.91*	
		For >10 To 25, Add	*150.50*	
		For >25 To 50, Add	*107.88*	
		For >50 To 100, Add	*53.94*	
		For >500 To 1,000, Deduct	*-8.91*	
		For >1,000 To 2,000, Deduct	*-17.19*	
		For >2,000 To 5,000, Deduct	*-26.10*	
		For >5,000, Deduct	*-42.67*	
33 01 30 72-0174	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	425.15	
		For Up To >10, Add	*281.53*	
		For >10 To 25, Add	*168.34*	
		For >25 To 50, Add	*120.88*	
		For >50 To 100, Add	*60.44*	
		For >500 To 1,000, Deduct	*-10.02*	
		For >1,000 To 2,000, Deduct	*-19.35*	
		For >2,000 To 5,000, Deduct	*-29.37*	
		For >5,000, Deduct	*-48.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0175	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	474.21	
		For Up To >10, Add	*313.76*	
		For >10 To 25, Add	*187.54*	
		For >25 To 50, Add	*134.70*	
		For >50 To 100, Add	*67.35*	
		For >500 To 1,000, Deduct	*-11.17*	
		For >1,000 To 2,000, Deduct	*-21.57*	
		For >2,000 To 5,000, Deduct	*-32.75*	
		For >5,000, Deduct	*-53.55*	
33 01 30 72-0176	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	570.00	
		For Up To >10, Add	*371.20*	
		For >10 To 25, Add	*220.08*	
		For >25 To 50, Add	*158.82*	
		For >50 To 100, Add	*79.41*	
		For >500 To 1,000, Deduct	*-13.30*	
		For >1,000 To 2,000, Deduct	*-25.73*	
		For >2,000 To 5,000, Deduct	*-39.03*	
		For >5,000, Deduct	*-63.90*	
33 01 30 72-0177	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	666.87	
		For Up To >10, Add	*431.89*	
		For >10 To 25, Add	*255.32*	
		For >25 To 50, Add	*184.57*	
		For >50 To 100, Add	*92.28*	
		For >500 To 1,000, Deduct	*-15.50*	
		For >1,000 To 2,000, Deduct	*-30.02*	
		For >2,000 To 5,000, Deduct	*-45.53*	
		For >5,000, Deduct	*-74.56*	
33 01 30 72-0178	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	765.37	
		For Up To >10, Add	*497.46*	
		For >10 To 25, Add	*294.64*	
		For >25 To 50, Add	*212.76*	
		For >50 To 100, Add	*106.38*	
		For >500 To 1,000, Deduct	*-17.83*	
		For >1,000 To 2,000, Deduct	*-34.52*	
		For >2,000 To 5,000, Deduct	*-52.35*	
		For >5,000, Deduct	*-85.72*	
33 01 30 72-0179	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	866.41	
		For Up To >10, Add	*570.66*	
		For >10 To 25, Add	*340.31*	
		For >25 To 50, Add	*244.76*	
		For >50 To 100, Add	*122.38*	
		For >500 To 1,000, Deduct	*-20.35*	
		For >1,000 To 2,000, Deduct	*-39.33*	
		For >2,000 To 5,000, Deduct	*-59.68*	
		For >5,000, Deduct	*-97.64*	
33 01 30 72-0180	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	974.99	
		For Up To >10, Add	*666.47*	
		For >10 To 25, Add	*404.83*	
		For >25 To 50, Add	*288.07*	
		For >50 To 100, Add	*144.03*	
		For >500 To 1,000, Deduct	*-23.44*	
		For >1,000 To 2,000, Deduct	*-45.08*	
		For >2,000 To 5,000, Deduct	*-68.52*	
		For >5,000, Deduct	*-111.82*	
33 01 30 72-0181	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,092.99	
		For Up To >10, Add	*790.55*	
		For >10 To 25, Add	*492.89*	
		For >25 To 50, Add	*345.50*	
		For >50 To 100, Add	*172.75*	
		For >500 To 1,000, Deduct	*-27.23*	
		For >1,000 To 2,000, Deduct	*-52.02*	
		For >2,000 To 5,000, Deduct	*-79.25*	
		For >5,000, Deduct	*-128.82*	
33 01 30 72-0182	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,218.62	
		For Up To >10, Add	*937.51*	
		For >10 To 25, Add	*600.04*	
		For >25 To 50, Add	*414.39*	
		For >50 To 100, Add	*207.19*	
		For >500 To 1,000, Deduct	*-31.59*	
		For >1,000 To 2,000, Deduct	*-59.90*	
		For >2,000 To 5,000, Deduct	*-91.50*	
		For >5,000, Deduct	*-148.12*	

33 01 30 72-0183 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0184	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	395.20	
		For Up To >10, Add	*260.20*	
		For >10 To 25, Add	*155.14*	
		For >25 To 50, Add	*111.59*	
		For >50 To 100, Add	*55.80*	
		For >500 To 1,000, Deduct	*-9.28*	
		For >1,000 To 2,000, Deduct	*-17.94*	
		For >2,000 To 5,000, Deduct	*-27.22*	
		For >5,000, Deduct	*-44.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0185	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	446.28	
		For Up To >10, Add	*292.09*	
		For >10 To 25, Add	*173.63*	
		For >25 To 50, Add	*125.11*	
		For >50 To 100, Add	*62.56*	
		For >500 To 1,000, Deduct	*-10.44*	
		For >1,000 To 2,000, Deduct	*-20.20*	
		For >2,000 To 5,000, Deduct	*-30.64*	
		For >5,000, Deduct	*-50.14*	
33 01 30 72-0186	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	497.90	
		For Up To >10, Add	*325.60*	
		For >10 To 25, Add	*193.46*	
		For >25 To 50, Add	*139.44*	
		For >50 To 100, Add	*69.72*	
		For >500 To 1,000, Deduct	*-11.64*	
		For >1,000 To 2,000, Deduct	*-22.52*	
		For >2,000 To 5,000, Deduct	*-34.17*	
		For >5,000, Deduct	*-55.92*	
33 01 30 72-0187	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	629.21	
		For Up To >10, Add	*405.11*	
		For >10 To 25, Add	*238.75*	
		For >25 To 50, Add	*172.90*	
		For >50 To 100, Add	*86.45*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000 To 2,000, Deduct	*-28.25*	
		For >2,000 To 5,000, Deduct	*-42.82*	
		For >5,000, Deduct	*-70.16*	
33 01 30 72-0188	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	700.78	
		For Up To >10, Add	*448.84*	
		For >10 To 25, Add	*263.80*	
		For >25 To 50, Add	*191.35*	
		For >50 To 100, Add	*95.68*	
		For >500 To 1,000, Deduct	*-16.18*	
		For >1,000 To 2,000, Deduct	*-31.38*	
		For >2,000 To 5,000, Deduct	*-47.56*	
		For >5,000, Deduct	*-77.95*	
33 01 30 72-0189	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	804.39	
		For Up To >10, Add	*516.97*	
		For >10 To 25, Add	*304.40*	
		For >25 To 50, Add	*220.56*	
		For >50 To 100, Add	*110.28*	
		For >500 To 1,000, Deduct	*-18.61*	
		For >1,000 To 2,000, Deduct	*-36.08*	
		For >2,000 To 5,000, Deduct	*-54.69*	
		For >5,000, Deduct	*-89.62*	
33 01 30 72-0190	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	910.72	
		For Up To >10, Add	*593.26*	
		For >10 To 25, Add	*351.79*	
		For >25 To 50, Add	*253.85*	
		For >50 To 100, Add	*126.93*	
		For >500 To 1,000, Deduct	*-21.25*	
		For >1,000 To 2,000, Deduct	*-41.12*	
		For >2,000 To 5,000, Deduct	*-62.37*	
		For >5,000, Deduct	*-102.10*	
33 01 30 72-0191	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,024.23	
		For Up To >10, Add	*691.09*	
		For >10 To 25, Add	*417.14*	
		For >25 To 50, Add	*297.91*	
		For >50 To 100, Add	*148.96*	
		For >500 To 1,000, Deduct	*-24.42*	
		For >1,000 To 2,000, Deduct	*-47.05*	
		For >2,000 To 5,000, Deduct	*-71.48*	
		For >5,000, Deduct	*-116.74*	
33 01 30 72-0192	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,147.33	
		For Up To >10, Add	*817.72*	
		For >10 To 25, Add	*506.48*	
		For >25 To 50, Add	*356.37*	
		For >50 To 100, Add	*178.19*	
		For >500 To 1,000, Deduct	*-28.32*	
		For >1,000 To 2,000, Deduct	*-54.19*	
		For >2,000 To 5,000, Deduct	*-82.51*	
		For >5,000, Deduct	*-134.26*	
33 01 30 72-0193	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,278.07	
		For Up To >10, Add	*967.24*	
		For >10 To 25, Add	*614.90*	
		For >25 To 50, Add	*426.28*	
		For >50 To 100, Add	*213.14*	
		For >500 To 1,000, Deduct	*-32.78*	
		For >1,000 To 2,000, Deduct	*-62.28*	
		For >2,000 To 5,000, Deduct	*-95.06*	
		For >5,000, Deduct	*-154.06*	

33 01 30 72-0194 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0195	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	414.95	
		For Up To >10, Add	*273.25*	
		For >10 To 25, Add	*162.94*	
		For >25 To 50, Add	*117.19*	
		For >50 To 100, Add	*58.60*	
		For >500 To 1,000, Deduct	*-9.75*	
		For >1,000 To 2,000, Deduct	*-18.83*	
		For >2,000 To 5,000, Deduct	*-28.58*	
		For >5,000, Deduct	*-46.76*	
33 01 30 72-0196	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	468.67	
		For Up To >10, Add	*306.69*	
		For >10 To 25, Add	*182.28*	
		For >25 To 50, Add	*131.36*	
		For >50 To 100, Add	*65.68*	
		For >500 To 1,000, Deduct	*-10.97*	
		For >1,000 To 2,000, Deduct	*-21.21*	
		For >2,000 To 5,000, Deduct	*-32.17*	
		For >5,000, Deduct	*-52.66*	
33 01 30 72-0197	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	523.02	
		For Up To >10, Add	*342.01*	
		For >10 To 25, Add	*203.21*	
		For >25 To 50, Add	*146.46*	
		For >50 To 100, Add	*73.23*	
		For >500 To 1,000, Deduct	*-12.23*	
		For >1,000 To 2,000, Deduct	*-23.66*	
		For >2,000 To 5,000, Deduct	*-35.89*	
		For >5,000, Deduct	*-58.74*	
33 01 30 72-0198	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	629.21	
		For Up To >10, Add	*405.11*	
		For >10 To 25, Add	*238.75*	
		For >25 To 50, Add	*172.90*	
		For >50 To 100, Add	*86.45*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000 To 2,000, Deduct	*-28.25*	
		For >2,000 To 5,000, Deduct	*-42.82*	
		For >5,000, Deduct	*-70.16*	
33 01 30 72-0199	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	736.57	
		For Up To >10, Add	*471.71*	
		For >10 To 25, Add	*277.23*	
		For >25 To 50, Add	*201.10*	
		For >50 To 100, Add	*100.55*	
		For >500 To 1,000, Deduct	*-17.01*	
		For >1,000 To 2,000, Deduct	*-32.98*	
		For >2,000 To 5,000, Deduct	*-49.99*	
		For >5,000, Deduct	*-81.93*	
33 01 30 72-0200	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	845.66	
		For Up To >10, Add	*543.51*	
		For >10 To 25, Add	*320.02*	
		For >25 To 50, Add	*231.88*	
		For >50 To 100, Add	*115.94*	
		For >500 To 1,000, Deduct	*-19.57*	
		For >1,000 To 2,000, Deduct	*-37.93*	
		For >2,000 To 5,000, Deduct	*-57.50*	
		For >5,000, Deduct	*-94.22*	
33 01 30 72-0201	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	957.47	
		For Up To >10, Add	*623.46*	
		For >10 To 25, Add	*369.62*	
		For >25 To 50, Add	*266.75*	
		For >50 To 100, Add	*133.38*	
		For >500 To 1,000, Deduct	*-22.33*	
		For >1,000 To 2,000, Deduct	*-43.22*	
		For >2,000 To 5,000, Deduct	*-65.55*	
		For >5,000, Deduct	*-107.33*	
33 01 30 72-0202	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,076.99	
		For Up To >10, Add	*726.55*	
		For >10 To 25, Add	*438.49*	
		For >25 To 50, Add	*313.18*	
		For >50 To 100, Add	*156.59*	
		For >500 To 1,000, Deduct	*-25.68*	
		For >1,000 To 2,000, Deduct	*-49.47*	
		For >2,000 To 5,000, Deduct	*-75.15*	
		For >5,000, Deduct	*-122.74*	
33 01 30 72-0203	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,206.48	
		For Up To >10, Add	*859.54*	
		For >10 To 25, Add	*532.29*	
		For >25 To 50, Add	*374.57*	
		For >50 To 100, Add	*187.29*	
		For >500 To 1,000, Deduct	*-29.77*	
		For >1,000 To 2,000, Deduct	*-56.97*	
		For >2,000 To 5,000, Deduct	*-86.74*	
		For >5,000, Deduct	*-141.15*	
33 01 30 72-0204	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,343.96	
		For Up To >10, Add	*1,016.53*	
		For >10 To 25, Add	*646.09*	
		For >25 To 50, Add	*447.96*	
		For >50 To 100, Add	*223.98*	
		For >500 To 1,000, Deduct	*-34.46*	
		For >1,000 To 2,000, Deduct	*-65.47*	
		For >2,000 To 5,000, Deduct	*-99.93*	
		For >5,000, Deduct	*-161.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0205		**31.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 72-0015)*		
33 01 30 72-0206	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	433.32	
		For Up To >10, Add	*282.44*	
		For >10 To 25, Add	*167.53*	
		For >25 To 50, Add	*120.87*	
		For >50 To 100, Add	*60.43*	
		For >500 To 1,000, Deduct	*-10.11*	
		For >1,000 To 2,000, Deduct	*-19.57*	
		For >2,000 To 5,000, Deduct	*-29.68*	
		For >5,000, Deduct	*-48.59*	
33 01 30 72-0207	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	489.60	
		For Up To >10, Add	*317.15*	
		For >10 To 25, Add	*187.52*	
		For >25 To 50, Add	*135.54*	
		For >50 To 100, Add	*67.77*	
		For >500 To 1,000, Deduct	*-11.38*	
		For >1,000 To 2,000, Deduct	*-22.04*	
		For >2,000 To 5,000, Deduct	*-33.43*	
		For >5,000, Deduct	*-54.75*	
33 01 30 72-0208	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	546.51	
		For Up To >10, Add	*353.76*	
		For >10 To 25, Add	*209.08*	
		For >25 To 50, Add	*151.16*	
		For >50 To 100, Add	*75.58*	
		For >500 To 1,000, Deduct	*-12.70*	
		For >1,000 To 2,000, Deduct	*-24.60*	
		For >2,000 To 5,000, Deduct	*-37.30*	
		For >5,000, Deduct	*-61.09*	
33 01 30 72-0209	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	657.81	
		For Up To >10, Add	*419.41*	
		For >10 To 25, Add	*245.90*	
		For >25 To 50, Add	*178.62*	
		For >50 To 100, Add	*89.31*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000 To 2,000, Deduct	*-29.39*	
		For >2,000 To 5,000, Deduct	*-44.54*	
		For >5,000, Deduct	*-73.02*	
33 01 30 72-0210	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	770.28	
		For Up To >10, Add	*488.57*	
		For >10 To 25, Add	*285.65*	
		For >25 To 50, Add	*207.84*	
		For >50 To 100, Add	*103.92*	
		For >500 To 1,000, Deduct	*-17.68*	
		For >1,000 To 2,000, Deduct	*-34.33*	
		For >2,000 To 5,000, Deduct	*-52.01*	
		For >5,000, Deduct	*-85.30*	
33 01 30 72-0211	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	884.48	
		For Up To >10, Add	*562.92*	
		For >10 To 25, Add	*329.73*	
		For >25 To 50, Add	*239.65*	
		For >50 To 100, Add	*119.82*	
		For >500 To 1,000, Deduct	*-20.34*	
		For >1,000 To 2,000, Deduct	*-39.48*	
		For >2,000 To 5,000, Deduct	*-59.83*	
		For >5,000, Deduct	*-98.10*	
33 01 30 72-0212	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,001.39	
		For Up To >10, Add	*645.42*	
		For >10 To 25, Add	*380.60*	
		For >25 To 50, Add	*275.54*	
		For >50 To 100, Add	*137.77*	
		For >500 To 1,000, Deduct	*-23.21*	
		For >1,000 To 2,000, Deduct	*-44.98*	
		For >2,000 To 5,000, Deduct	*-68.19*	
		For >5,000, Deduct	*-111.72*	
33 01 30 72-0213	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,126.02	
		For Up To >10, Add	*751.06*	
		For >10 To 25, Add	*450.75*	
		For >25 To 50, Add	*322.99*	
		For >50 To 100, Add	*161.50*	
		For >500 To 1,000, Deduct	*-26.66*	
		For >1,000 To 2,000, Deduct	*-51.43*	
		For >2,000 To 5,000, Deduct	*-78.09*	
		For >5,000, Deduct	*-127.65*	
33 01 30 72-0214	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,260.62	
		For Up To >10, Add	*886.61*	
		For >10 To 25, Add	*545.83*	
		For >25 To 50, Add	*385.40*	
		For >50 To 100, Add	*192.70*	
		For >500 To 1,000, Deduct	*-30.85*	
		For >1,000 To 2,000, Deduct	*-59.14*	
		For >2,000 To 5,000, Deduct	*-89.99*	
		For >5,000, Deduct	*-146.57*	
33 01 30 72-0215	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	12,878.21	
		For Up To >10, Add	*6,783.66*	
		For >10 To 25, Add	*3,529.65*	
		For >25 To 50, Add	*2,754.81*	
		For >50 To 100, Add	*1,377.40*	
		For >500 To 1,000, Deduct	*-265.14*	
		For >1,000 To 2,000, Deduct	*-526.84*	
		For >2,000 To 5,000, Deduct	*-791.99*	
		For >5,000, Deduct	*-1,315.39*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0216		33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*			
33 01 30 72-0217	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		452.96	
		For Up To >10, Add		*295.66*	
		For >10 To 25, Add		*175.50*	
		For >25 To 50, Add		*126.56*	
		For >50 To 100, Add		*63.28*	
		For >500 To 1,000, Deduct		*-10.58*	
		For >1,000 To 2,000, Deduct		*-20.47*	
		For >2,000 To 5,000, Deduct		*-31.05*	
		For >5,000, Deduct		*-50.83*	
33 01 30 72-0218	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		511.89	
		For Up To >10, Add		*331.95*	
		For >10 To 25, Add		*196.37*	
		For >25 To 50, Add		*141.90*	
		For >50 To 100, Add		*70.95*	
		For >500 To 1,000, Deduct		*-11.91*	
		For >1,000 To 2,000, Deduct		*-23.06*	
		For >2,000 To 5,000, Deduct		*-34.97*	
		For >5,000, Deduct		*-57.27*	
33 01 30 72-0219	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		571.46	
		For Up To >10, Add		*370.13*	
		For >10 To 25, Add		*218.83*	
		For >25 To 50, Add		*158.18*	
		For >50 To 100, Add		*79.09*	
		For >500 To 1,000, Deduct		*-13.29*	
		For >1,000 To 2,000, Deduct		*-25.73*	
		For >2,000 To 5,000, Deduct		*-39.01*	
		For >5,000, Deduct		*-63.90*	
33 01 30 72-0220	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		688.12	
		For Up To >10, Add		*439.11*	
		For >10 To 25, Add		*257.58*	
		For >25 To 50, Add		*187.05*	
		For >50 To 100, Add		*93.53*	
		For >500 To 1,000, Deduct		*-15.85*	
		For >1,000 To 2,000, Deduct		*-30.76*	
		For >2,000 To 5,000, Deduct		*-46.61*	
		For >5,000, Deduct		*-76.42*	
33 01 30 72-0221	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		805.97	
		For Up To >10, Add		*511.64*	
		For >10 To 25, Add		*299.28*	
		For >25 To 50, Add		*217.69*	
		For >50 To 100, Add		*108.85*	
		For >500 To 1,000, Deduct		*-18.51*	
		For >1,000 To 2,000, Deduct		*-35.93*	
		For >2,000 To 5,000, Deduct		*-54.44*	
		For >5,000, Deduct		*-89.29*	
33 01 30 72-0222	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		925.54	
		For Up To >10, Add		*589.32*	
		For >10 To 25, Add		*345.28*	
		For >25 To 50, Add		*250.91*	
		For >50 To 100, Add		*125.46*	
		For >500 To 1,000, Deduct		*-21.29*	
		For >1,000 To 2,000, Deduct		*-41.32*	
		For >2,000 To 5,000, Deduct		*-62.62*	
		For >5,000, Deduct		*-102.68*	
33 01 30 72-0223	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,048.11	
		For Up To >10, Add		*676.03*	
		For >10 To 25, Add		*398.81*	
		For >25 To 50, Add		*288.65*	
		For >50 To 100, Add		*144.32*	
		For >500 To 1,000, Deduct		*-24.31*	
		For >1,000 To 2,000, Deduct		*-47.09*	
		For >2,000 To 5,000, Deduct		*-71.40*	
		For >5,000, Deduct		*-116.97*	
33 01 30 72-0224	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,178.67	
		For Up To >10, Add		*786.69*	
		For >10 To 25, Add		*472.28*	
		For >25 To 50, Add		*338.36*	
		For >50 To 100, Add		*169.18*	
		For >500 To 1,000, Deduct		*-27.92*	
		For >1,000 To 2,000, Deduct		*-53.86*	
		For >2,000 To 5,000, Deduct		*-81.77*	
		For >5,000, Deduct		*-133.66*	
33 01 30 72-0225	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,319.75	
		For Up To >10, Add		*928.90*	
		For >10 To 25, Add		*572.06*	
		For >25 To 50, Add		*403.84*	
		For >50 To 100, Add		*201.92*	
		For >500 To 1,000, Deduct		*-32.31*	
		For >1,000 To 2,000, Deduct		*-61.94*	
		For >2,000 To 5,000, Deduct		*-94.25*	
		For >5,000, Deduct		*-153.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0226	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,469.26	
		For Up To >10, Add	*1,096.41*	
		For >10 To 25, Add	*692.91*	
		For >25 To 50, Add	*481.98*	
		For >50 To 100, Add	*240.99*	
		For >500 To 1,000, Deduct	*-37.34*	
		For >1,000 To 2,000, Deduct	*-71.07*	
		For >2,000 To 5,000, Deduct	*-108.42*	
		For >5,000, Deduct	*-175.87*	

33 01 30 72-0227 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0228	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	532.62	
		For Up To >10, Add	*342.31*	
		For >10 To 25, Add	*201.56*	
		For >25 To 50, Add	*146.04*	
		For >50 To 100, Add	*73.02*	
		For >500 To 1,000, Deduct	*-12.32*	
		For >1,000 To 2,000, Deduct	*-23.89*	
		For >2,000 To 5,000, Deduct	*-36.21*	
		For >5,000, Deduct	*-59.34*	
33 01 30 72-0229	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	594.74	
		For Up To >10, Add	*381.77*	
		For >10 To 25, Add	*224.65*	
		For >25 To 50, Add	*162.84*	
		For >50 To 100, Add	*81.42*	
		For >500 To 1,000, Deduct	*-13.75*	
		For >1,000 To 2,000, Deduct	*-26.66*	
		For >2,000 To 5,000, Deduct	*-40.41*	
		For >5,000, Deduct	*-66.23*	
33 01 30 72-0230	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	716.52	
		For Up To >10, Add	*453.31*	
		For >10 To 25, Add	*264.68*	
		For >25 To 50, Add	*192.73*	
		For >50 To 100, Add	*96.37*	
		For >500 To 1,000, Deduct	*-16.42*	
		For >1,000 To 2,000, Deduct	*-31.89*	
		For >2,000 To 5,000, Deduct	*-48.31*	
		For >5,000, Deduct	*-79.26*	
33 01 30 72-0231	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	839.47	
		For Up To >10, Add	*528.39*	
		For >10 To 25, Add	*307.65*	
		For >25 To 50, Add	*224.39*	
		For >50 To 100, Add	*112.20*	
		For >500 To 1,000, Deduct	*-19.18*	
		For >1,000 To 2,000, Deduct	*-37.27*	
		For >2,000 To 5,000, Deduct	*-56.45*	
		For >5,000, Deduct	*-92.64*	
33 01 30 72-0232	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	964.15	
		For Up To >10, Add	*608.63*	
		For >10 To 25, Add	*354.93*	
		For >25 To 50, Add	*258.64*	
		For >50 To 100, Add	*129.32*	
		For >500 To 1,000, Deduct	*-22.07*	
		For >1,000 To 2,000, Deduct	*-42.87*	
		For >2,000 To 5,000, Deduct	*-64.94*	
		For >5,000, Deduct	*-106.54*	
33 01 30 72-0233	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,091.84	
		For Up To >10, Add	*697.90*	
		For >10 To 25, Add	*409.74*	
		For >25 To 50, Add	*297.40*	
		For >50 To 100, Add	*148.70*	
		For >500 To 1,000, Deduct	*-25.18*	
		For >1,000 To 2,000, Deduct	*-48.84*	
		For >2,000 To 5,000, Deduct	*-74.02*	
		For >5,000, Deduct	*-121.34*	
33 01 30 72-0234	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,227.50	
		For Up To >10, Add	*811.10*	
		For >10 To 25, Add	*484.49*	
		For >25 To 50, Add	*348.12*	
		For >50 To 100, Add	*174.06*	
		For >500 To 1,000, Deduct	*-28.89*	
		For >1,000 To 2,000, Deduct	*-55.81*	
		For >2,000 To 5,000, Deduct	*-84.70*	
		For >5,000, Deduct	*-138.54*	
33 01 30 72-0235	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,373.69	
		For Up To >10, Add	*955.87*	
		For >10 To 25, Add	*585.55*	
		For >25 To 50, Add	*414.63*	
		For >50 To 100, Add	*207.32*	
		For >500 To 1,000, Deduct	*-33.39*	
		For >1,000 To 2,000, Deduct	*-64.09*	
		For >2,000 To 5,000, Deduct	*-97.49*	
		For >5,000, Deduct	*-158.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0236	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,528.30	
		For Up To >10, Add	*1,125.93*	
		For >10 To 25, Add	*707.67*	
		For >25 To 50, Add	*493.78*	
		For >50 To 100, Add	*246.89*	
		For >500 To 1,000, Deduct	*-38.53*	
		For >1,000 To 2,000, Deduct	*-73.43*	
		For >2,000 To 5,000, Deduct	*-111.96*	
		For >5,000, Deduct	*-181.77*	

33 01 30 72-0237 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0238	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	554.79	
		For Up To >10, Add	*357.25*	
		For >10 To 25, Add	*210.56*	
		For >25 To 50, Add	*152.48*	
		For >50 To 100, Add	*76.24*	
		For >500 To 1,000, Deduct	*-12.85*	
		For >1,000 To 2,000, Deduct	*-24.91*	
		For >2,000 To 5,000, Deduct	*-37.76*	
		For >5,000, Deduct	*-61.87*	
33 01 30 72-0239	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	619.63	
		For Up To >10, Add	*398.49*	
		For >10 To 25, Add	*234.72*	
		For >25 To 50, Add	*170.04*	
		For >50 To 100, Add	*85.02*	
		For >500 To 1,000, Deduct	*-14.34*	
		For >1,000 To 2,000, Deduct	*-27.80*	
		For >2,000 To 5,000, Deduct	*-42.14*	
		For >5,000, Deduct	*-69.06*	
33 01 30 72-0240	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	746.71	
		For Up To >10, Add	*473.16*	
		For >10 To 25, Add	*276.50*	
		For >25 To 50, Add	*201.24*	
		For >50 To 100, Add	*100.62*	
		For >500 To 1,000, Deduct	*-17.13*	
		For >1,000 To 2,000, Deduct	*-33.26*	
		For >2,000 To 5,000, Deduct	*-50.39*	
		For >5,000, Deduct	*-82.66*	
33 01 30 72-0241	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	875.06	
		For Up To >10, Add	*551.63*	
		For >10 To 25, Add	*321.46*	
		For >25 To 50, Add	*234.34*	
		For >50 To 100, Add	*117.17*	
		For >500 To 1,000, Deduct	*-20.01*	
		For >1,000 To 2,000, Deduct	*-38.88*	
		For >2,000 To 5,000, Deduct	*-58.89*	
		For >5,000, Deduct	*-96.63*	
33 01 30 72-0242	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,005.21	
		For Up To >10, Add	*635.53*	
		For >10 To 25, Add	*370.94*	
		For >25 To 50, Add	*270.16*	
		For >50 To 100, Add	*135.08*	
		For >500 To 1,000, Deduct	*-23.03*	
		For >1,000 To 2,000, Deduct	*-44.73*	
		For >2,000 To 5,000, Deduct	*-67.76*	
		For >5,000, Deduct	*-111.16*	
33 01 30 72-0243	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,138.55	
		For Up To >10, Add	*728.98*	
		For >10 To 25, Add	*428.37*	
		For >25 To 50, Add	*310.75*	
		For >50 To 100, Add	*155.38*	
		For >500 To 1,000, Deduct	*-26.28*	
		For >1,000 To 2,000, Deduct	*-50.97*	
		For >2,000 To 5,000, Deduct	*-77.26*	
		For >5,000, Deduct	*-126.63*	
33 01 30 72-0244	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,280.22	
		For Up To >10, Add	*847.44*	
		For >10 To 25, Add	*506.65*	
		For >25 To 50, Add	*363.85*	
		For >50 To 100, Add	*181.93*	
		For >500 To 1,000, Deduct	*-30.17*	
		For >1,000 To 2,000, Deduct	*-58.26*	
		For >2,000 To 5,000, Deduct	*-88.42*	
		For >5,000, Deduct	*-144.61*	
33 01 30 72-0245	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,432.97	
		For Up To >10, Add	*999.11*	
		For >10 To 25, Add	*612.61*	
		For >25 To 50, Add	*433.56*	
		For >50 To 100, Add	*216.78*	
		For >500 To 1,000, Deduct	*-34.88*	
		For >1,000 To 2,000, Deduct	*-66.93*	
		For >2,000 To 5,000, Deduct	*-101.81*	
		For >5,000, Deduct	*-165.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0246	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,594.52	
		For Up To >10, Add	*1,177.19*	
		For >10 To 25, Add	*740.56*	
		For >25 To 50, Add	*516.47*	
		For >50 To 100, Add	*258.23*	
		For >500 To 1,000, Deduct	*-40.25*	
		For >1,000 To 2,000, Deduct	*-76.70*	
		For >2,000 To 5,000, Deduct	*-116.95*	
		For >5,000, Deduct	*-189.85*	

33 01 30 72-0247 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	642.72	
		For Up To >10, Add	*410.04*	
		For >10 To 25, Add	*240.49*	
		For >25 To 50, Add	*174.66*	
		For >50 To 100, Add	*87.33*	
		For >500 To 1,000, Deduct	*-14.81*	
		For >1,000 To 2,000, Deduct	*-28.72*	
		For >2,000 To 5,000, Deduct	*-43.53*	
		For >5,000, Deduct	*-71.37*	
33 01 30 72-0249	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	774.90	
		For Up To >10, Add	*487.25*	
		For >10 To 25, Add	*283.55*	
		For >25 To 50, Add	*206.88*	
		For >50 To 100, Add	*103.44*	
		For >500 To 1,000, Deduct	*-17.69*	
		For >1,000 To 2,000, Deduct	*-34.39*	
		For >2,000 To 5,000, Deduct	*-52.08*	
		For >5,000, Deduct	*-85.47*	
33 01 30 72-0250	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	908.36	
		For Up To >10, Add	*568.28*	
		For >10 To 25, Add	*329.78*	
		For >25 To 50, Add	*241.00*	
		For >50 To 100, Add	*120.50*	
		For >500 To 1,000, Deduct	*-20.68*	
		For >1,000 To 2,000, Deduct	*-40.21*	
		For >2,000 To 5,000, Deduct	*-60.89*	
		For >5,000, Deduct	*-99.96*	
33 01 30 72-0251	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,043.62	
		For Up To >10, Add	*654.74*	
		For >10 To 25, Add	*380.54*	
		For >25 To 50, Add	*277.85*	
		For >50 To 100, Add	*138.92*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000 To 2,000, Deduct	*-46.26*	
		For >2,000 To 5,000, Deduct	*-70.06*	
		For >5,000, Deduct	*-115.00*	
33 01 30 72-0252	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,182.07	
		For Up To >10, Add	*750.74*	
		For >10 To 25, Add	*439.25*	
		For >25 To 50, Add	*319.46*	
		For >50 To 100, Add	*159.73*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000 To 2,000, Deduct	*-52.71*	
		For >2,000 To 5,000, Deduct	*-79.87*	
		For >5,000, Deduct	*-130.98*	
33 01 30 72-0253	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,328.85	
		For Up To >10, Add	*871.75*	
		For >10 To 25, Add	*518.81*	
		For >25 To 50, Add	*373.58*	
		For >50 To 100, Add	*186.79*	
		For >500 To 1,000, Deduct	*-31.14*	
		For >1,000 To 2,000, Deduct	*-60.20*	
		For >2,000 To 5,000, Deduct	*-91.34*	
		For >5,000, Deduct	*-149.47*	
33 01 30 72-0254	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,486.71	
		For Up To >10, Add	*1,025.98*	
		For >10 To 25, Add	*626.04*	
		For >25 To 50, Add	*444.31*	
		For >50 To 100, Add	*222.15*	
		For >500 To 1,000, Deduct	*-35.95*	
		For >1,000 To 2,000, Deduct	*-69.08*	
		For >2,000 To 5,000, Deduct	*-105.03*	
		For >5,000, Deduct	*-171.28*	
33 01 30 72-0255	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,653.36	
		For Up To >10, Add	*1,206.61*	
		For >10 To 25, Add	*755.27*	
		For >25 To 50, Add	*528.23*	
		For >50 To 100, Add	*264.12*	
		For >500 To 1,000, Deduct	*-41.43*	
		For >1,000 To 2,000, Deduct	*-79.05*	
		For >2,000 To 5,000, Deduct	*-120.48*	
		For >5,000, Deduct	*-195.73*	

33 01 30 72-0256 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0257	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	804.98	
		For Up To >10, Add	*507.27*	
		For >10 To 25, Add	*295.54*	
		For >25 To 50, Add	*215.48*	
		For >50 To 100, Add	*107.74*	
		For >500 To 1,000, Deduct	*-18.40*	
		For >1,000 To 2,000, Deduct	*-35.76*	
		For >2,000 To 5,000, Deduct	*-54.17*	
		For >5,000, Deduct	*-88.88*	
33 01 30 72-0258	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	943.82	
		For Up To >10, Add	*591.66*	
		For >10 To 25, Add	*343.73*	
		For >25 To 50, Add	*251.03*	
		For >50 To 100, Add	*125.52*	
		For >500 To 1,000, Deduct	*-21.51*	
		For >1,000 To 2,000, Deduct	*-41.82*	
		For >2,000 To 5,000, Deduct	*-63.34*	
		For >5,000, Deduct	*-103.96*	
33 01 30 72-0259	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,084.65	
		For Up To >10, Add	*682.05*	
		For >10 To 25, Add	*396.92*	
		For >25 To 50, Add	*289.59*	
		For >50 To 100, Add	*144.79*	
		For >500 To 1,000, Deduct	*-24.77*	
		For >1,000 To 2,000, Deduct	*-48.14*	
		For >2,000 To 5,000, Deduct	*-72.90*	
		For >5,000, Deduct	*-119.64*	
33 01 30 72-0260	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,228.66	
		For Up To >10, Add	*781.96*	
		For >10 To 25, Add	*458.03*	
		For >25 To 50, Add	*332.90*	
		For >50 To 100, Add	*166.45*	
		For >500 To 1,000, Deduct	*-28.26*	
		For >1,000 To 2,000, Deduct	*-54.85*	
		For >2,000 To 5,000, Deduct	*-83.11*	
		For >5,000, Deduct	*-136.28*	
33 01 30 72-0261	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,381.46	
		For Up To >10, Add	*908.26*	
		For >10 To 25, Add	*541.14*	
		For >25 To 50, Add	*389.41*	
		For >50 To 100, Add	*194.70*	
		For >500 To 1,000, Deduct	*-32.41*	
		For >1,000 To 2,000, Deduct	*-62.65*	
		For >2,000 To 5,000, Deduct	*-95.07*	
		For >5,000, Deduct	*-155.55*	
33 01 30 72-0262	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,545.97	
		For Up To >10, Add	*1,069.66*	
		For >10 To 25, Add	*653.50*	
		For >25 To 50, Add	*463.47*	
		For >50 To 100, Add	*231.73*	
		For >500 To 1,000, Deduct	*-37.45*	
		For >1,000 To 2,000, Deduct	*-71.93*	
		For >2,000 To 5,000, Deduct	*-109.37*	
		For >5,000, Deduct	*-178.33*	
33 01 30 72-0263	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,719.83	
		For Up To >10, Add	*1,259.14*	
		For >10 To 25, Add	*789.26*	
		For >25 To 50, Add	*551.56*	
		For >50 To 100, Add	*275.78*	
		For >500 To 1,000, Deduct	*-43.18*	
		For >1,000 To 2,000, Deduct	*-82.37*	
		For >2,000 To 5,000, Deduct	*-125.55*	
		For >5,000, Deduct	*-203.92*	

33 01 30 72-0264 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0265	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	976.92	
		For Up To >10, Add	*608.21*	
		For >10 To 25, Add	*352.01*	
		For >25 To 50, Add	*257.65*	
		For >50 To 100, Add	*128.83*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000 To 2,000, Deduct	*-43.15*	
		For >2,000 To 5,000, Deduct	*-65.32*	
		For >5,000, Deduct	*-107.27*	
33 01 30 72-0266	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,122.82	
		For Up To >10, Add	*701.04*	
		For >10 To 25, Add	*406.37*	
		For >25 To 50, Add	*297.17*	
		For >50 To 100, Add	*148.58*	
		For >500 To 1,000, Deduct	*-25.53*	
		For >1,000 To 2,000, Deduct	*-49.66*	
		For >2,000 To 5,000, Deduct	*-75.19*	
		For >5,000, Deduct	*-123.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0267	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,271.98	
		For Up To >10, Add	*803.62*	
		For >10 To 25, Add	*468.86*	
		For >25 To 50, Add	*341.56*	
		For >50 To 100, Add	*170.78*	
		For >500 To 1,000, Deduct	*-29.13*	
		For >1,000 To 2,000, Deduct	*-56.58*	
		For >2,000 To 5,000, Deduct	*-85.71*	
		For >5,000, Deduct	*-140.61*	
33 01 30 72-0268	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,429.89	
		For Up To >10, Add	*932.47*	
		For >10 To 25, Add	*553.25*	
		For >25 To 50, Add	*399.09*	
		For >50 To 100, Add	*199.55*	
		For >500 To 1,000, Deduct	*-33.38*	
		For >1,000 To 2,000, Deduct	*-64.59*	
		For >2,000 To 5,000, Deduct	*-97.97*	
		For >5,000, Deduct	*-160.39*	
33 01 30 72-0269	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,599.51	
		For Up To >10, Add	*1,096.43*	
		For >10 To 25, Add	*666.89*	
		For >25 To 50, Add	*474.17*	
		For >50 To 100, Add	*237.09*	
		For >500 To 1,000, Deduct	*-38.52*	
		For >1,000 To 2,000, Deduct	*-74.07*	
		For >2,000 To 5,000, Deduct	*-112.58*	
		For >5,000, Deduct	*-183.69*	
33 01 30 72-0270	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,778.39	
		For Up To >10, Add	*1,288.20*	
		For >10 To 25, Add	*803.70*	
		For >25 To 50, Add	*563.16*	
		For >50 To 100, Add	*281.58*	
		For >500 To 1,000, Deduct	*-44.35*	
		For >1,000 To 2,000, Deduct	*-84.70*	
		For >2,000 To 5,000, Deduct	*-129.05*	
		For >5,000, Deduct	*-209.76*	

33 01 30 72-0271 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0272	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,163.70	
		For Up To >10, Add	*728.40*	
		For >10 To 25, Add	*422.82*	
		For >25 To 50, Add	*308.95*	
		For >50 To 100, Add	*154.47*	
		For >500 To 1,000, Deduct	*-26.50*	
		For >1,000 To 2,000, Deduct	*-51.53*	
		For >2,000 To 5,000, Deduct	*-78.03*	
		For >5,000, Deduct	*-128.09*	
33 01 30 72-0273	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,318.56	
		For Up To >10, Add	*835.31*	
		For >10 To 25, Add	*488.06*	
		For >25 To 50, Add	*355.25*	
		For >50 To 100, Add	*177.62*	
		For >500 To 1,000, Deduct	*-30.24*	
		For >1,000 To 2,000, Deduct	*-58.73*	
		For >2,000 To 5,000, Deduct	*-88.97*	
		For >5,000, Deduct	*-145.94*	
33 01 30 72-0274	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,482.58	
		For Up To >10, Add	*969.72*	
		For >10 To 25, Add	*576.23*	
		For >25 To 50, Add	*415.30*	
		For >50 To 100, Add	*207.65*	
		For >500 To 1,000, Deduct	*-34.68*	
		For >1,000 To 2,000, Deduct	*-67.07*	
		For >2,000 To 5,000, Deduct	*-101.75*	
		For >5,000, Deduct	*-166.53*	
33 01 30 72-0275	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,646.59	
		For Up To >10, Add	*1,104.10*	
		For >10 To 25, Add	*664.37*	
		For >25 To 50, Add	*475.33*	
		For >50 To 100, Add	*237.67*	
		For >500 To 1,000, Deduct	*-39.11*	
		For >1,000 To 2,000, Deduct	*-75.41*	
		For >2,000 To 5,000, Deduct	*-114.52*	
		For >5,000, Deduct	*-187.12*	
33 01 30 72-0276	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,844.73	
		For Up To >10, Add	*1,340.84*	
		For >10 To 25, Add	*837.81*	
		For >25 To 50, Add	*586.55*	
		For >50 To 100, Add	*293.28*	
		For >500 To 1,000, Deduct	*-46.10*	
		For >1,000 To 2,000, Deduct	*-88.02*	
		For >2,000 To 5,000, Deduct	*-134.12*	
		For >5,000, Deduct	*-217.95*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	361.78	
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	391.11	
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	415.56	
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	440.00	
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	464.45	
33 01 30 74-0008		Grout Lateral Service *(33 01 30 74-0001)*		
33 01 30 74-0009		Grout Lateral Service - Bladder *(33 01 30 74-0008)*		
33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	383.45	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	439.15	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	494.85	
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*		
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	416.49	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	449.50	
33 01 30 74-0016		Lateral T-Liner *(33 01 30 74-0001)* Note: As manufactured by LMK.		
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	500.72	
33 01 30 74-0018	EA	6" Lateral T-Liner	559.24	
33 01 30 74-0019	EA	8" Lateral T-Liner	648.35	
33 01 30 74-0020		Lining Lateral Pipe *(33 01 30 74-0001)*		
33 01 30 74-0021		Lining Lateral Pipe *(33 01 30 74-0020)*		
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)	23.70	
		For 7.5mm, Add	*2.23*	
		For 9 mm, Add	*4.42*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)	27.79	
		For 7.5mm, Add	*3.04*	
		For 9 mm, Add	*6.02*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	35.28	
		For 7.5mm, Add	*4.66*	
		For 9 mm, Add	*9.21*	
33 01 30 79		**Fold-and-Form Pipe Lining** *(33 01 30)*		
33 01 30 79-0001		Form and Fold Relining Underground Pipelines *(33 01 30 79)* Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002		Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*		
33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	3,629.19	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	1,451.68	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	28.58	
		For DR 26 Pipe Liner, Add	*5.20*	
		For Up To 75, Add	*15.83*	
		For >75 To 150, Add	*7.92*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000, Deduct	*-2.33*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	36.63	
		For DR 26 Pipe Liner, Add	*7.07*	
		For DR 35 Pipe Liner, Deduct	*-3.53*	
		For Up To 75, Add	*18.21*	
		For >75 To 150, Add	*9.10*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-2.51*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.85	
		For DR 26 Pipe Liner, Add	*7.20*	
		For DR 35 Pipe Liner, Deduct	*-3.60*	
		For Up To 75, Add	*19.36*	
		For >75 To 150, Add	*9.68*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000, Deduct	*-2.72*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	53.07	
		For DR 26 Pipe Liner, Add	*10.79*	
		For DR 35 Pipe Liner, Deduct	*-5.40*	
		For DR 41 Pipe Liner, Deduct	*-10.79*	
		For Up To 75, Add	*23.48*	
		For >75 To 150, Add	*11.74*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000 To 2,000, Deduct	*-1.49*	
		For >2,000, Deduct	*-2.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	74.07	
		For DR 26 Pipe Liner, Add	*15.80*	
		For DR 35 Pipe Liner, Deduct	*-7.90*	
		For DR 41 Pipe Liner, Deduct	*-15.80*	
		For Up To 75, Add	*28.97*	
		For >75 To 150, Add	*14.49*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.63*	
		For >2,000, Deduct	*-3.27*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	101.33	
		For DR 35 Pipe Liner, Deduct	*-11.12*	
		For DR 41 Pipe Liner, Deduct	*-22.24*	
		For Up To 75, Add	*36.35*	
		For >75 To 150, Add	*18.17*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000 To 2,000, Deduct	*-1.86*	
		For >2,000, Deduct	*-3.71*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	142.95	
		For DR 41 Pipe Liner, Deduct	*-12.90*	
		For DR 50 Pipe Liner, Deduct	*-25.80*	
		For Up To 75, Add	*46.74*	
		For >75 To 150, Add	*23.37*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.09*	
		For >2,000, Deduct	*-4.19*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	161.64	
		For DR 50 Pipe Liner, Deduct	*-21.98*	
		For DR 55 Pipe Liner, Deduct	*-36.63*	
		For Up To 75, Add	*51.98*	
		For >75 To 150, Add	*25.99*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.27*	
		For >2,000, Deduct	*-4.54*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	197.03	
		For DR 60 Pipe Liner, Deduct	*-27.08*	
		For Up To 75, Add	*60.86*	
		For >75 To 150, Add	*30.43*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-2.48*	
		For >2,000, Deduct	*-4.95*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	30.54	
		For Up To 75, Add	*16.22*	
		For >75 To 150, Add	*8.11*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000, Deduct	*-2.33*	
		For DR 26 Pipe Liner, Add	*5.69*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	36.63	
		For Up To 75, Add	*18.21*	
		For >75 To 150, Add	*9.10*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-2.51*	
		For DR 26 Pipe Liner, Add	*7.07*	
		For DR 35 Pipe Liner, Deduct	*-3.53*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	40.47	
		For Up To 75, Add	*19.89*	
		For >75 To 150, Add	*9.94*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000, Deduct	*-2.72*	
		For DR 26 Pipe Liner, Add	*7.85*	
		For DR 35 Pipe Liner, Deduct	*-3.93*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	56.99	
		For Up To 75, Add	*24.27*	
		For >75 To 150, Add	*12.13*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000 To 2,000, Deduct	*-1.49*	
		For >2,000, Deduct	*-2.97*	
		For DR 26 Pipe Liner, Add	*11.77*	
		For DR 35 Pipe Liner, Deduct	*-5.89*	
		For DR 41 Pipe Liner, Deduct	*-11.77*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	79.96	
		For Up To 75, Add	*30.15*	
		For >75 To 150, Add	*15.07*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.63*	
		For >2,000, Deduct	*-3.27*	
		For DR 26 Pipe Liner, Add	*17.27*	
		For DR 35 Pipe Liner, Deduct	*-8.63*	
		For DR 41 Pipe Liner, Deduct	*-17.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	109.70	
		For Up To 75, Add	*38.02*	
		For >75 To 150, Add	*19.01*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000 To 2,000, Deduct	*-1.86*	
		For >2,000, Deduct	*-3.71*	
		For DR 35 Pipe Liner, Deduct	*-12.17*	
		For DR 41 Pipe Liner, Deduct	*-24.33*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	155.24	
		For Up To 75, Add	*49.20*	
		For >75 To 150, Add	*24.60*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.09*	
		For >2,000, Deduct	*-4.19*	
		For DR 41 Pipe Liner, Deduct	*-14.13*	
		For DR 50 Pipe Liner, Deduct	*-28.26*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	175.24	
		For Up To 75, Add	*54.70*	
		For >75 To 150, Add	*27.35*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.27*	
		For >2,000, Deduct	*-4.54*	
		For DR 50 Pipe Liner, Deduct	*-24.02*	
		For DR 55 Pipe Liner, Deduct	*-40.03*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	214.30	
		For Up To 75, Add	*64.31*	
		For >75 To 150, Add	*32.16*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-2.48*	
		For >2,000, Deduct	*-4.95*	
		For DR 60 Pipe Liner, Deduct	*-29.67*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0003 Internal Manhole Chimney Seals *(33 01 30 81-0002)*

Note: Cretex.

33 01 30 81-0004	EA	20" Internal Manhole Chimney Seal	365.13
33 01 30 81-0005	EA	22" Internal Manhole Chimney Seal	384.87
33 01 30 81-0006	EA	24" Internal Manhole Chimney Seal	394.74
33 01 30 81-0007	EA	26" Internal Manhole Chimney Seal	453.95
33 01 30 81-0008	EA	28" Internal Manhole Chimney Seal	513.16
33 01 30 81-0009	EA	30" Internal Manhole Chimney Seal	572.36
33 01 30 81-0010	EA	36" Internal Manhole Chimney Seal	690.80

33 01 30 81-0011 External Manhole Encapsulation *(33 01 30 81-0002)*

Note: Wrapidseal.

33 01 30 81-0012	EA	24" External Manhole Encapsulation	532.90
33 01 30 81-0013	EA	30" External Manhole Encapsulation	562.51
33 01 30 81-0014	EA	36" External Manhole Encapsulation	601.97
33 01 30 81-0015	EA	42" External Manhole Encapsulation	651.32
33 01 30 81-0016	EA	48" External Manhole Encapsulation	720.39
33 01 30 81-0017	EA	54" External Manhole Encapsulation	799.35
33 01 30 81-0018	EA	60" External Manhole Encapsulation	898.03

33 01 30 81-0019 Manhole Crack Repair *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0020	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	41.34
33 01 30 81-0021	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	55.78
33 01 30 81-0022	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	39.26
33 01 30 81-0023	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	53.12

33 01 30 81-0024 Manhole Patching *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0025	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	13.98
33 01 30 81-0026	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	34.18

33 01 30 81-0027 Manhole Joint Restoration *(33 01 30 81-0001)*

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0028	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,452.54
		For Grouting Each Additional Manhole Joint Section, Add	*180.86*
33 01 30 81-0029	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,695.61
		For Grouting Each Additional Manhole Joint Section, Add	*198.50*
33 01 30 81-0030	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,936.73
		For Grouting Each Additional Manhole Joint Section, Add	*216.14*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0031	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,289.57	
		For Grouting Each Additional Manhole Joint Section, Add	*224.97*	
33 01 30 81-0032	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,641.43	
		For Grouting Each Additional Manhole Joint Section, Add	*233.79*	

33 01 30 81-0033 Step Installation In Existing Manholes *(33 01 30 81-0001)*

Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.

33 01 30 81-0034	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	106.28	17.59
33 01 30 81-0035	EA	Drill And Grout Galvanized Steel Manhole Step	82.68	17.59
33 01 30 81-0036	EA	Bolt On Galvanized Steel Manhole Step	95.11	17.59
33 01 30 81-0037	EA	Drill And Grout Aluminum Manhole Step	100.97	17.59
33 01 30 81-0038	EA	Drill And Insert Polypropylene Manhole Step	49.64	14.07

33 01 30 81-0039 Manhole Penetration Sealing *(33 01 30 81-0001)*

Note: At new pipe connection to manhole.

33 01 30 81-0040	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	319.15
33 01 30 81-0041	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	491.66
33 01 30 81-0042	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	672.80

33 01 30 81-0043 Invert Restoration *(33 01 30 81-0001)*

Note: Includes removal of existing defective material and installation of new material.

33 01 30 81-0044 Concrete Invert Restoration *(33 01 30 81-0043)*

33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration	314.26
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration	353.54
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration	392.81
33 01 30 81-0048	EA	5' Diameter, Concrete Invert Restoration	432.10
33 01 30 81-0049	EA	6' Diameter, Concrete Invert Restoration	549.94
33 01 30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration	31.24

33 01 30 81-0051 Brick Invert Restoration *(33 01 30 81-0043)*

33 01 30 81-0052	EA	2' Diameter, Brick Invert Restoration	520.58
33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration	559.85
33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration	599.14
33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration	638.42
33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration	677.70
33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration	43.76

33 01 30 81-0058 Repair In-Kind Of Drainage Structures *(33 01 30 81)*

Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.

33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure	475.40
33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure	713.11
33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure	950.88
33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure	1,188.52
33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure	1,426.22
33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure	605.62
33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure	757.02
33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure	908.42
33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure	1,059.83
33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure	1,211.23
33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure	1,362.63
33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure	1,514.04
33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure	1,816.85
33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure	2,119.65

33 01 30 82 Epoxy Lining For Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	233.70
		For 80 Mil Material, Add	*26.62*
		For 100 Mil Material, Add	*53.25*
		For 125 Mil Material, Add	*82.80*
		For 150 Mil Material, Add	*112.36*
		For 200 Mil Material, Add	*161.55*
		For 2 To 5 Manholes, Deduct	*-16.65*
		For 6 To 10 Manholes, Deduct	*-27.45*
		For >10 Manholes, Deduct	*-54.90*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	283.71	
		For 80 Mil Material, Add	*31.90*	
		For 100 Mil Material, Add	*63.80*	
		For 125 Mil Material, Add	*99.13*	
		For 150 Mil Material, Add	*134.46*	
		For 200 Mil Material, Add	*192.98*	
		For 2 To 5 Manholes, Deduct	*-20.25*	
		For 6 To 10 Manholes, Deduct	*-33.41*	
		For >10 Manholes, Deduct	*-66.82*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	311.59	
		For 80 Mil Material, Add	*35.50*	
		For 100 Mil Material, Add	*71.00*	
		For 125 Mil Material, Add	*110.41*	
		For 150 Mil Material, Add	*149.82*	
		For 200 Mil Material, Add	*215.41*	
		For 2 To 5 Manholes, Deduct	*-22.20*	
		For 6 To 10 Manholes, Deduct	*-36.60*	
		For >10 Manholes, Deduct	*-73.20*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	389.52	
		For 80 Mil Material, Add	*44.38*	
		For 100 Mil Material, Add	*88.77*	
		For 125 Mil Material, Add	*138.04*	
		For 150 Mil Material, Add	*187.32*	
		For 200 Mil Material, Add	*269.33*	
		For 2 To 5 Manholes, Deduct	*-27.75*	
		For 6 To 10 Manholes, Deduct	*-45.75*	
		For >10 Manholes, Deduct	*-91.51*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	467.43	
		For 80 Mil Material, Add	*53.26*	
		For 100 Mil Material, Add	*106.52*	
		For 125 Mil Material, Add	*165.65*	
		For 150 Mil Material, Add	*224.78*	
		For 200 Mil Material, Add	*323.19*	
		For 2 To 5 Manholes, Deduct	*-33.30*	
		For 6 To 10 Manholes, Deduct	*-54.91*	
		For >10 Manholes, Deduct	*-109.81*	

33 01 30 83 Lining For Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	107.72	
		For Each Additional 1/2" Thick Material, Add	*29.90*	
		For 2 To 5 Manholes, Deduct	*-7.48*	
		For 6 To 10 Manholes, Deduct	*-12.27*	
		For >10 Manholes, Deduct	*-24.54*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	124.92	
		For Each Additional 1/2" Thick Material, Add	*34.80*	
		For 2 To 5 Manholes, Deduct	*-8.67*	
		For 6 To 10 Manholes, Deduct	*-14.22*	
		For >10 Manholes, Deduct	*-28.44*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	142.15	
		For Each Additional 1/2" Thick Material, Add	*39.72*	
		For 2 To 5 Manholes, Deduct	*-9.86*	
		For 6 To 10 Manholes, Deduct	*-16.17*	
		For >10 Manholes, Deduct	*-32.35*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	167.95	
		For Each Additional 1/2" Thick Material, Add	*48.83*	
		For 2 To 5 Manholes, Deduct	*-11.60*	
		For 6 To 10 Manholes, Deduct	*-18.99*	
		For >10 Manholes, Deduct	*-37.98*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	184.55	
		For Each Additional 1/2" Thick Material, Add	*56.70*	
		For 2 To 5 Manholes, Deduct	*-12.65*	
		For 6 To 10 Manholes, Deduct	*-20.68*	
		For >10 Manholes, Deduct	*-41.36*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	210.80	
		For 80 Mil Material, Add	*18.99*	
		For 100 Mil Material, Add	*37.98*	
		For 125 Mil Material, Add	*58.00*	
		For 150 Mil Material, Add	*78.01*	
		For 200 Mil Material, Add	*108.12*	
		For 2 To 5 Manholes, Deduct	*-15.50*	
		For 6 To 10 Manholes, Deduct	*-25.73*	
		For >10 Manholes, Deduct	*-51.47*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	256.95	
		For 80 Mil Material, Add	*22.98*	
		For 100 Mil Material, Add	*45.96*	
		For 125 Mil Material, Add	*70.14*	
		For 150 Mil Material, Add	*94.32*	
		For 200 Mil Material, Add	*130.54*	
		For 2 To 5 Manholes, Deduct	*-18.91*	
		For 6 To 10 Manholes, Deduct	*-31.40*	
		For >10 Manholes, Deduct	*-62.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	281.05	
		For 80 Mil Material, Add	*25.32*	
		For 100 Mil Material, Add	*50.64*	
		For 125 Mil Material, Add	*77.32*	
		For 150 Mil Material, Add	*104.01*	
		For 200 Mil Material, Add	*144.15*	
		For 2 To 5 Manholes, Deduct	*-20.67*	
		For 6 To 10 Manholes, Deduct	*-34.31*	
		For >10 Manholes, Deduct	*-68.62*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	351.31	
		For 80 Mil Material, Add	*31.65*	
		For 100 Mil Material, Add	*63.29*	
		For 125 Mil Material, Add	*96.65*	
		For 150 Mil Material, Add	*130.01*	
		For 200 Mil Material, Add	*180.18*	
		For 2 To 5 Manholes, Deduct	*-25.84*	
		For 6 To 10 Manholes, Deduct	*-42.89*	
		For >10 Manholes, Deduct	*-85.78*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	421.58	
		For 80 Mil Material, Add	*37.98*	
		For 100 Mil Material, Add	*75.95*	
		For 125 Mil Material, Add	*115.98*	
		For 150 Mil Material, Add	*156.01*	
		For 200 Mil Material, Add	*216.21*	
		For 2 To 5 Manholes, Deduct	*-31.00*	
		For 6 To 10 Manholes, Deduct	*-51.47*	
		For >10 Manholes, Deduct	*-102.93*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	343.22	
		For 2 To 5 Manholes, Deduct	*-20.22*	
		For 6 To 10 Manholes, Deduct	*-31.87*	
		For >10 Manholes, Deduct	*-63.73*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	420.28	
		For 2 To 5 Manholes, Deduct	*-24.76*	
		For 6 To 10 Manholes, Deduct	*-39.01*	
		For >10 Manholes, Deduct	*-78.01*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	493.53	
		For 2 To 5 Manholes, Deduct	*-28.76*	
		For 6 To 10 Manholes, Deduct	*-45.18*	
		For >10 Manholes, Deduct	*-90.36*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	618.83	
		For 2 To 5 Manholes, Deduct	*-36.05*	
		For 6 To 10 Manholes, Deduct	*-56.62*	
		For >10 Manholes, Deduct	*-113.24*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	744.14	
		For 2 To 5 Manholes, Deduct	*-43.33*	
		For 6 To 10 Manholes, Deduct	*-68.06*	
		For >10 Manholes, Deduct	*-136.12*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	271.50
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	305.03
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	335.56
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	370.12
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	398.34

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	318.08
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	346.57
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	382.30
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	416.86
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	450.25

33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0015	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	444.62
33 01 30 86-0016	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	483.36
33 01 30 86-0017	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	522.76
33 01 30 86-0018	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	554.32
33 01 30 86-0019	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	602.14
33 01 30 86-0020	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	645.72
33 01 30 86-0021	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	688.47
33 01 30 86-0022	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	732.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001 Pump Out Septic Tanks *(33 01 34 13)*

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.48

33 05 Common Work Results For Utilities *(33)*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	20.40
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	24.62
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	33.77
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	43.62
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	73.34
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	106.98
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	128.55
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	153.58
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	265.73
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	327.94
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	404.49
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	462.15
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	584.09
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	629.37
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	684.48
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	717.60
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,105.97
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,158.32
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,962.74

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.19
		For Horizontal Boring Through Rock, Add	*7.13*
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	15.29
		For Horizontal Boring Through Rock, Add	*10.70*
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	21.24
		For Horizontal Boring Through Rock, Add	*14.87*
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	26.33
		For Horizontal Boring Through Rock, Add	*18.43*
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	31.43
		For Horizontal Boring Through Rock, Add	*22.00*
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	36.52
		For Horizontal Boring Through Rock, Add	*25.56*
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	42.46
		For Horizontal Boring Through Rock, Add	*29.72*
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	51.76
		For Horizontal Boring Through Rock, Add	*36.23*
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	56.08
		For Horizontal Boring Through Rock, Add	*39.26*
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	60.39
		For Horizontal Boring Through Rock, Add	*42.27*
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	125.10
		For Horizontal Boring Through Rock, Add	*87.57*
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	193.74
		For Horizontal Boring Through Rock, Add	*135.62*
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	295.34
		For Horizontal Boring Through Rock, Add	*206.74*
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	472.53
		For Horizontal Boring Through Rock, Add	*330.77*
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,717.97
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,105.97
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,158.32

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	43.68	
		For Horizontal Jacking Through Rock, Add	*22.41*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	52.42	
		For Horizontal Jacking Through Rock, Add	*27.05*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	71.03	
		For Horizontal Jacking Through Rock, Add	*37.10*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	91.79	
		For Horizontal Jacking Through Rock, Add	*47.92*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	124.60	
		For Horizontal Jacking Through Rock, Add	*65.70*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	182.52	
		For Horizontal Jacking Through Rock, Add	*95.84*	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	219.67	
		For Horizontal Jacking Through Rock, Add	*115.17*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	262.29	
		For Horizontal Jacking Through Rock, Add	*137.59*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	416.49	
		For Horizontal Jacking Through Rock, Add	*238.84*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	648.01	
		For Horizontal Jacking Through Rock, Add	*268.04*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	759.12	
		For Horizontal Jacking Through Rock, Add	*330.97*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	858.74	
		For Horizontal Jacking Through Rock, Add	*378.44*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	923.13	
		For Horizontal Jacking Through Rock, Add	*408.67*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,000.17	
		For Horizontal Jacking Through Rock, Add	*440.33*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,071.53	
		For Horizontal Jacking Through Rock, Add	*479.22*	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,717.97	
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,105.97	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,158.32	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,962.74	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.50	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.20	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.15	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.14	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	17.81	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	20.09	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.38	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.41	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.84	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.24	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.60	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.99	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.42	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.85	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.36	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.26	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.18	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.34	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.25	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1147 for slip-on restraints, 33 14 13 13-1163 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0405 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0043 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0747 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*
See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*
See CSI section 33 42 11 00-0137 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*
See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0169 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0159 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	2.53	
		For Up To 250, Add	*0.07*	
		For >250 To 500, Add	*0.05*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	2.81	
		For Up To 250, Add	*0.09*	
		For >250 To 500, Add	*0.06*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.05	
		For Up To 250, Add	*0.10*	
		For >250 To 500, Add	*0.07*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.34	
		For Up To 250, Add	*0.12*	
		For >250 To 500, Add	*0.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.39	
		For Up To 250, Add	*0.24*	
		For >250 To 500, Add	*0.16*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	5.49	
		For Up To 250, Add	*0.37*	
		For >250 To 500, Add	*0.25*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	2.58	
		For Up To 250, Add	*0.08*	
		For >250 To 500, Add	*0.05*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	2.90	
		For Up To 250, Add	*0.10*	
		For >250 To 500, Add	*0.07*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.13	
		For Up To 250, Add	*0.11*	
		For >250 To 500, Add	*0.07*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.52	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.80	
		For Up To 250, Add	*0.31*	
		For >250 To 500, Add	*0.20*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	6.01	
		For Up To 250, Add	*0.45*	
		For >250 To 500, Add	*0.30*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0052 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0015 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0303 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s) and openings.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,074.24	219.05
		For Bitumastic Coating, Add	*45.65*	
		For Epoxy Coating, Add	*87.24*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	1,470.06	314.63
		For Bitumastic Coating, Add	*68.48*	
		For Epoxy Coating, Add	*130.86*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	2,001.28	477.91
		For Bitumastic Coating, Add	*91.30*	
		For Epoxy Coating, Add	*174.48*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	213.83	55.76
		For Bitumastic Coating, Add	*11.41*	
		For Epoxy Coating, Add	*21.81*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	228.84	55.76
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	353.76	55.76
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	286.68	55.76
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	400.93	55.76

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	1,353.31	250.91
		For Bitumastic Coating, Add	*45.65*	
		For Epoxy Coating, Add	*87.24*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	1,811.39	342.51
		For Bitumastic Coating, Add	*68.48*	
		For Epoxy Coating, Add	*130.86*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	2,429.41	517.74
		For Bitumastic Coating, Add	*91.30*	
		For Epoxy Coating, Add	*174.48*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	265.87	65.72
		For Bitumastic Coating, Add	*11.41*	
		For Epoxy Coating, Add	*21.81*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	285.89	65.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	452.43	65.72
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	363.00	65.72
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	515.34	65.72

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	2,421.67	278.79
		For Bitumastic Coating, Add	*58.82*	
		For Epoxy Coating, Add	*140.64*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	3,231.03	382.34
		For Bitumastic Coating, Add	*88.23*	
		For Epoxy Coating, Add	*210.96*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	4,217.68	573.50
		For Bitumastic Coating, Add	*117.64*	
		For Epoxy Coating, Add	*281.27*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	445.76	71.69
		For Bitumastic Coating, Add	*14.71*	
		For Epoxy Coating, Add	*35.16*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	3,209.42	310.65
		For Bitumastic Coating, Add	*67.34*	
		For Epoxy Coating, Add	*164.65*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	4,192.57	422.16
		For Bitumastic Coating, Add	*101.01*	
		For Epoxy Coating, Add	*246.97*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	5,374.21	637.22
		For Bitumastic Coating, Add	*134.68*	
		For Epoxy Coating, Add	*329.30*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	536.90	79.65
		For Bitumastic Coating, Add	*16.84*	
		For Epoxy Coating, Add	*41.16*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	4,969.32	342.51
		For Bitumastic Coating, Add	*143.20*	
		For Epoxy Coating, Add	*287.71*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	6,440.99	467.17
		For Bitumastic Coating, Add	*214.80*	
		For Epoxy Coating, Add	*431.57*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	8,130.91	700.94
		For Bitumastic Coating, Add	*286.41*	
		For Epoxy Coating, Add	*575.42*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	786.41	87.62
		For Bitumastic Coating, Add	*35.80*	
		For Epoxy Coating, Add	*71.93*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	7,129.16	394.28
		For Bitumastic Coating, Add	*169.30*	
		For Epoxy Coating, Add	*350.70*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	9,260.24	537.66
		For Bitumastic Coating, Add	*253.95*	
		For Epoxy Coating, Add	*526.04*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	11,642.22	806.49
		For Bitumastic Coating, Add	*338.59*	
		For Epoxy Coating, Add	*701.39*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,121.30	99.57
		For Bitumastic Coating, Add	*42.32*	
		For Epoxy Coating, Add	*87.67*	

33 05 61 00-0041 10' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0042	EA	4' Deep, 10' Diameter, Precast Concrete Manhole	10,936.37	453.22
		For Bitumastic Coating, Add	*299.33*	
		For Epoxy Coating, Add	*593.24*	
33 05 61 00-0043	EA	6' Deep, 10' Diameter, Precast Concrete Manhole	13,852.79	618.11
		For Bitumastic Coating, Add	*449.00*	
		For Epoxy Coating, Add	*889.86*	
33 05 61 00-0044	EA	8' Deep, 10' Diameter, Precast Concrete Manhole	17,056.77	927.16
		For Bitumastic Coating, Add	*598.66*	
		For Epoxy Coating, Add	*1,186.48*	
33 05 61 00-0045	VLF	Riser For 10' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,521.74	114.70
		For Bitumastic Coating, Add	*74.83*	
		For Epoxy Coating, Add	*148.31*	

33 05 61 00-0046 12' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0047	EA	4' Deep, 12' Diameter, Precast Concrete Manhole	15,465.68	520.93
		For Bitumastic Coating, Add	*358.93*	
		For Epoxy Coating, Add	*717.90*	
33 05 61 00-0048	EA	6' Deep, 12' Diameter, Precast Concrete Manhole	19,556.97	711.30
		For Bitumastic Coating, Add	*538.39*	
		For Epoxy Coating, Add	*1,076.85*	
33 05 61 00-0049	EA	8' Deep, 12' Diameter, Precast Concrete Manhole	23,979.59	1,066.55
		For Bitumastic Coating, Add	*717.85*	
		For Epoxy Coating, Add	*1,435.80*	
33 05 61 00-0050	VLF	Riser For 12' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,119.32	131.43
		For Bitumastic Coating, Add	*89.73*	
		For Epoxy Coating, Add	*179.48*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*

Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,943.33
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,836.62
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,329.42
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,308.45
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,902.96
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,968.47
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,034.82
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,163.91
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,163.91
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,798.00
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,207.88
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,446.48
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,073.49
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,588.58

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,240.21
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,207.32
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,174.41
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,885.09
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,938.71
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,347.47
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,487.65
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,627.80
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,052.96
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,884.70
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,800.83
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,113.27
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,061.83
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,674.48
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,258.93

33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,536.29	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,578.03	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,440.74	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,568.19	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,792.00	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,005.99	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,219.99	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,941.98	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,971.44	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,393.00	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,780.05	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,049.29	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,761.22	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,246.95	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,236.55	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,524.32	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,234.38	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,681.06	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,043.49	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	2,038.80	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	2,734.99	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	3,391.19	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	4,176.98	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	5,688.38	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	3,064.06	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	4,176.98	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	5,340.68	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	6,664.31	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	9,299.60	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)*		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	221.87	18.63
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	197.52	41.33
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	301.31	61.99
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	347.85	61.99
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	332.48	61.99
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	399.60	61.99
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	389.47	61.99
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	525.39	61.99
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	744.95	82.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,037.46	82.65
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	685.46	113.64
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	777.07	113.64
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,253.59	113.64
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	732.61	123.97
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,032.67	123.97
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,278.04	123.97
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,858.39	123.97
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,042.98	179.82
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,494.58	179.82
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	282.67	18.63
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	373.73	61.99
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	448.64	61.99
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	415.11	61.99
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	472.48	61.99
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	487.52	61.99
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	624.29	61.99
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	839.45	113.64
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	931.05	113.64
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,407.60	113.64
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,222.93	179.82
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,677.96	179.82
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.92	18.63
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	305.89	18.63
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	260.70	61.99
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	293.17	61.99
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	88.51	18.63
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	134.53	18.63
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	214.40	18.63
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	224.07	18.63
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	194.15	41.33
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	208.98	41.33
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	132.55	18.63
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	150.66	18.63
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	207.44	41.33
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.36	41.33
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	216.23	41.33
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	262.21	61.99
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	286.66	61.99
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	304.84	61.99
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	332.23	61.99
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.84	61.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	419.96	61.99
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	456.21	61.99
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.01	61.99
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	573.13	82.65
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	586.23	113.64
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	744.99	113.64
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	891.58	113.64
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	984.15	113.64
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,076.23	113.64
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,219.17	179.82
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	894.63	179.82
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,012.21	179.82
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,237.04	179.82
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,234.73	179.82
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,318.66	179.82
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,480.06	179.82
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,365.26	192.66
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,479.22	192.66
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,624.71	192.66
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,682.92	192.66
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,703.15	192.66
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,924.83	192.66
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,494.32	192.66
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,961.42	192.66
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,206.11	205.51
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,714.32	205.51
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,471.72	205.51

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	345.00	61.99
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	393.17	61.99
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	146.24	18.63
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	209.14	18.63
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	278.66	18.63
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.34	18.63
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	257.45	41.33
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.77	41.33
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	281.57	41.33
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	195.50	18.63
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	230.13	18.63
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	281.23	41.33
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.16	41.33
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	290.81	41.33
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	344.54	61.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	369.29	61.99
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	403.09	61.99
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	430.30	61.99
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	484.75	61.99
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	518.02	61.99
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	554.11	61.99
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	577.06	61.99
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	708.58	82.65
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	740.23	113.64
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	898.80	113.64
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,045.23	113.64
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,137.66	113.64
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,230.05	113.64
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,072.88	179.82
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,190.63	179.82
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,415.29	179.82
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	318.09	61.99
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	367.59	61.99
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	109.44	18.63
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	176.83	18.63
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.77	18.63
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	261.63	18.63
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	239.75	41.33
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	268.44	41.33
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	155.37	18.63
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	253.85	41.33
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	289.59	41.33
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	263.14	41.33
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	340.75	61.99
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	389.61	61.99
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	405.86	61.99
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.56	61.99
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	480.15	61.99
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.76	61.99
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	573.94	61.99
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	582.32	61.99
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	719.08	82.65
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	753.84	113.64
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	928.96	113.64
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,102.15	113.64
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,217.18	113.64
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,332.22	113.64
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,433.49	179.82
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,108.97	179.82
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,235.72	179.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,460.40	179.82
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,559.50	179.82
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,590.53	179.82
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,891.59	179.82
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,759.23	192.66
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,818.12	192.66
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,985.14	192.66
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,111.56	192.66
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,942.58	192.66
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,394.69	192.66
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,083.34	192.66
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,286.20	192.66
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,764.09	205.51
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,272.51	205.51
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,400.78	205.51
33 05 63 00-0231		Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	402.38	61.99
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.79	61.99
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	166.71	18.63
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.29	18.63
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	315.90	18.63
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.89	18.63
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.54	41.33
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	342.06	41.33
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.21	18.63
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	327.31	41.33
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	363.05	41.33
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	316.65	41.33
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.41	61.99
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	472.28	61.99
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.92	61.99
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	542.63	61.99
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	578.21	61.99
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	611.83	61.99
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	672.02	61.99
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	680.38	61.99
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	854.36	82.65
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	907.83	113.64
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,082.79	113.64
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,255.79	113.64
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,370.91	113.64
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,486.03	113.64
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,287.38	179.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,414.30	179.82
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,638.82	179.82
33 05 63 00-0261		**Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	338.64	61.99
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	228.59	41.33
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	256.14	41.33
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	302.87	61.99
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	237.61	41.33
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	264.01	41.33
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	251.56	61.99
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	280.28	61.99
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	324.54	82.65
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	352.74	82.65
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	421.79	113.64
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	727.36	179.82
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	696.53	179.82
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	703.26	179.82
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	939.32	192.66
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,472.17	205.51
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,920.01	205.51
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	402.26	61.99
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	419.80	61.99
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	453.10	82.65
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	481.60	82.65
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	562.79	113.64
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	895.78	179.82
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	316.49	61.99
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	351.09	61.99
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	471.44	113.64
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	906.31	192.66
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	86.24	8.28
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.35	8.28
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	81.03	8.28
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.57	8.28
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	88.39	8.27
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	101.27	8.27
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	117.20	8.27
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	763.57	23.12
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	668.58	23.12
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	999.44	23.12
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,010.72	23.12
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,144.59	23.12
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,246.84	23.12
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,001.81	23.12
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	73.99	8.27
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	105.60	8.27
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	107.07	8.27
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	134.47	8.27
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	101.68	8.27
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	158.90	8.27
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	124.96	8.27
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	255.46	8.27
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	224.42	12.40
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	280.90	12.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	361.87	14.47
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	506.67	17.98
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	526.69	34.25
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	136.11	8.27
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	193.67	8.27
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	220.24	8.27
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	365.59	8.27
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	302.07	12.40
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	509.77	14.47
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	666.88	17.98
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	899.75	23.12
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	800.23	23.12
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,116.71	23.12
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,453.29	23.12
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,391.89	23.12
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,111.42	23.12
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,259.87	23.12
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	178.76	8.27
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	195.39	8.27
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	256.97	8.27
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	292.71	8.27
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	505.27	8.27
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	367.88	12.40
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	502.45	12.40
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	778.49	14.47
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	889.90	17.98
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	926.00	34.25
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,071.10	23.12
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,494.24	23.12
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,089.40	23.12
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,864.79	23.12
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,088.54	23.12
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,765.70	23.12

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	98.90	8.28
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	104.47	8.28
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	106.27	8.27
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	106.95	8.27
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	123.28	8.27
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	79.12	8.27
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	110.86	8.27
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	111.88	8.27
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	139.89	8.27
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	107.58	8.27
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	131.20	8.27
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	164.64	8.27
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	228.27	12.40
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	286.82	12.40
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	532.77	34.25
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	66.08	8.28
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	102.73	8.28
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	114.15	8.28
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	109.08	8.28
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	90.03	8.27
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	141.36	8.27
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	153.22	8.27
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	199.25	8.27
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	226.30	8.27
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	307.49	12.40
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	383.55	12.40
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	700.84	34.25

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	53.48	8.28
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	63.34	8.28
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	76.61	8.28
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	82.51	8.28
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	82.33	8.27
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	97.45	8.27
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	112.30	8.27
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	271.22	12.40
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	504.57	34.25
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	755.27	23.12
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	659.21	23.12
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	984.01	23.12
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	949.67	23.12
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,135.63	23.12
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,213.76	23.12
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,938.23	23.12
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	71.18	8.27

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	69.54	8.27
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	102.05	8.27
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	112.01	8.27
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	126.60	8.27
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	96.59	8.27
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	107.58	8.27
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	152.01	8.27
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	219.95	12.40
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	274.29	12.40
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	271.06	12.40
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	486.50	17.98
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	504.57	20.55

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	786.22	23.12
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,136.78	23.12
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	659.84	34.25
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	873.84	34.25
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	933.42	23.12
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,270.81	23.12

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	307.59	12.40
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	569.81	17.98
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	596.07	34.25
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	50.73	8.28
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	83.03	8.28
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	91.20	8.28
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	96.61	8.28
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	84.95	8.27
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	148.41	8.27
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	411.34	12.40
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	756.93	17.98
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	793.51	34.25

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	633.33	173.22
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,066.84	259.84
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*86.29*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,290.99	346.45
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*145.99*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,342.03	346.45
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*181.51*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,575.91	433.06
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*216.02*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,660.74	433.06
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*244.38*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	1,917.30	519.67
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*283.25*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,200.77	606.29
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*415.53*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,168.99	519.67
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*472.57*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,190.64	519.67
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*302.37*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	494.73	173.22
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	583.64	194.88
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	718.11	216.54
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0002		**Steps For Cast-In-Place Manholes** *(33 05 81 00-0001)* See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	65.52	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	41.92	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	60.21	
33 05 81 00-0006		**Manhole Covers And Frames** *(33 05 81)* Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007		**Regular Manhole Covers And Frames, City Type As Manufactured By NEENAH Foundry Company** *(33 05 81 00-0006)*		
33 05 81 00-0008	EA	32" Solid Pattern Lid With Frame, Neenah # R-1557A	941.16	101.95
33 05 81 00-0009	EA	24-1/2" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1032)	585.02	79.65
33 05 81 00-0010	EA	27-1/8" Round Manhole Frame And Parabolic Cover, Straight Side, heavy Duty (Syracuse Casting #1009-8)	642.90	88.41
33 05 81 00-0011	EA	33" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1016A)	846.98	99.57
33 05 81 00-0012		**Watertight Type Manhole Covers And Frames** *(33 05 81 00-0006)*		
33 05 81 00-0013	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,112.98	56.55
		For Ductile Iron Castings, Add	*621.52*	
33 05 81 00-0014	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,134.43	56.55
		For Ductile Iron Castings, Add	*623.55*	
33 05 81 00-0015	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,162.17	66.11
		For Ductile Iron Castings, Add	*627.66*	
33 05 81 00-0016	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,375.23	74.08
		For Ductile Iron Castings, Add	*761.14*	
33 05 81 00-0017	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,582.31	75.67
		For Ductile Iron Castings, Add	*898.54*	
33 05 81 00-0018	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,661.77	77.26
		For Ductile Iron Castings, Add	*951.43*	
33 05 81 00-0019	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,733.15	79.65
		For Ductile Iron Castings, Add	*998.54*	
33 05 81 00-0020		**Remove And Reinstall Manhole Cover And Frame** *(33 05 81 00-0006)* Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0021	EA	Removal And Reinstallation Of Manhole Cover And Frame	319.35	
33 05 83		**Non-Metallic Accessories for Utility Structures** *(33 05)*		
33 05 83 00-0001		**Manhole Accessories** *(33 05 83)*		
33 05 83 00-0002		**Steps For Cast-In-Place Manholes** *(33 05 83 00-0001)* See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	32.67	
33 05 83 00-0004		**Rainguard Inflow Protectors** *(33 05 83)*		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	97.84	17.59
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	111.32	17.59
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	133.14	21.11
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	141.66	21.11
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	174.70	24.62
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	185.16	24.62
33 05 84		**Accessories for Utility Structures** *(33 05)* See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 05 84 00-0001		**Manhole Accessories** *(33 05 84)*		
33 05 84 00-0002		**Precast Concrete Manhole Tops** *(33 05 84 00-0001)*		
33 05 84 00-0003		**Precast Concrete Manhole Slab Tops** *(33 05 84 00-0002)*		
33 05 84 00-0004	EA	4' Diameter, Precast Concrete Manhole Slab Top	668.18	64.52
33 05 84 00-0005	EA	5' Diameter, Precast Concrete Manhole Slab Top	958.06	69.30
33 05 84 00-0006	EA	6' Diameter, Precast Concrete Manhole Slab Top	1,424.31	74.08
33 05 84 00-0007	EA	7' Diameter, Precast Concrete Manhole Slab Top	2,227.29	74.08
33 05 84 00-0008	EA	8' Diameter, Precast Concrete Manhole Slab Top	3,089.25	74.08
33 05 84 00-0009	EA	10' Diameter, Precast Concrete Manhole Slab Top	5,270.21	74.08
33 05 84 00-0010	EA	12' Diameter, Precast Concrete Manhole Slab Top	7,558.68	74.08
33 05 84 00-0011		**Precast Concrete Manhole Cone Tops** *(33 05 84 00-0002)*		
33 05 84 00-0012	EA	4' Diameter, Precast Concrete Manhole Cone Top	731.90	80.64
33 05 84 00-0013	EA	5' Diameter, Precast Concrete Manhole Cone Top	1,028.42	86.62
33 05 84 00-0014	EA	6' Diameter, Precast Concrete Manhole Cone Top	1,510.79	95.58
33 05 84 00-0015		**Precast Concrete Manhole Reducer Slabs** *(33 05 84 00-0002)*		
33 05 84 00-0016	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,304.39	69.30
33 05 84 00-0017	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,716.28	74.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0018	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,323.87	74.08
33 05 84 00-0019	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,783.72	74.08
33 05 84 00-0020	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,919.45	74.08
33 05 84 00-0021	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	7,206.48	74.08

33 05 84 00-0022 Pipe To Manhole Connector *(33 05 84 00-0001)*

33 05 84 00-0023 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0022)*

33 05 84 00-0024	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	62.96	
33 05 84 00-0025	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	95.42	
33 05 84 00-0026	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	107.44	
33 05 84 00-0027	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	166.75	
33 05 84 00-0028	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	234.77	
33 05 84 00-0029	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	309.12	
33 05 84 00-0030	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	566.72	
33 05 84 00-0031	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	789.42	
33 05 84 00-0032	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,256.99	
33 05 84 00-0033	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,476.47	

33 05 84 00-0034 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout

(33 05 84 00-0022)

Note: Fernco CMA.

33 05 84 00-0035	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	77.98	
33 05 84 00-0036	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	107.70	
33 05 84 00-0037	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	135.89	
33 05 84 00-0038	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	163.98	
33 05 84 00-0039	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	190.36	

33 05 84 00-0040 Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0022)*

33 05 84 00-0041	EA	Seal Gap Between Pipe And Structure With Brick And Grout	197.81	

33 05 84 00-0042 Inverts For Manholes *(33 05 84 00-0001)*

33 05 84 00-0043	EA	Single Channel Concrete Invert For Manholes	351.90	
33 05 84 00-0044	EA	Double Channel Concrete Invert For Manholes	506.63	
33 05 84 00-0045	EA	Triple Channel Concrete Invert For Manholes	682.65	
33 05 84 00-0046	EA	Quad Channel Concrete Invert For Manholes	858.62	
33 05 84 00-0047	EA	Single Channel Brick Invert For Manholes	530.17	
33 05 84 00-0048	EA	Double Channel Brick Invert For Manholes	793.46	
33 05 84 00-0049	EA	Triple Channel Brick Invert For Manholes	1,061.21	
33 05 84 00-0050	EA	Quad Channel Brick Invert For Manholes	1,326.23	

33 05 84 00-0051 Protective Coating For New Manholes *(33 05 84 00-0001)*

33 05 84 00-0052 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0051)*

33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	134.45	
		For 80 Mil Material, Add	*19.18*	
		For 100 Mil Material, Add	*38.36*	
		For 125 Mil Material, Add	*60.47*	
		For 150 Mil Material, Add	*82.59*	
		For 200 Mil Material, Add	*121.85*	
		For 2 To 5 Manholes, Deduct	*-9.20*	
		For 6 To 10 Manholes, Deduct	*-15.05*	
		For >10 Manholes, Deduct	*-30.09*	
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	162.42	
		For 80 Mil Material, Add	*22.80*	
		For 100 Mil Material, Add	*45.61*	
		For 125 Mil Material, Add	*71.84*	
		For 150 Mil Material, Add	*98.07*	
		For 200 Mil Material, Add	*144.47*	
		For 2 To 5 Manholes, Deduct	*-11.15*	
		For 6 To 10 Manholes, Deduct	*-18.25*	
		For >10 Manholes, Deduct	*-36.49*	
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	179.28	
		For 80 Mil Material, Add	*25.57*	
		For 100 Mil Material, Add	*51.15*	
		For 125 Mil Material, Add	*80.64*	
		For 150 Mil Material, Add	*110.12*	
		For 200 Mil Material, Add	*162.48*	
		For 2 To 5 Manholes, Deduct	*-12.27*	
		For 6 To 10 Manholes, Deduct	*-20.06*	
		For >10 Manholes, Deduct	*-40.13*	
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	224.12	
		For 80 Mil Material, Add	*31.98*	
		For 100 Mil Material, Add	*63.96*	
		For 125 Mil Material, Add	*100.83*	
		For 150 Mil Material, Add	*137.70*	
		For 200 Mil Material, Add	*203.17*	
		For 2 To 5 Manholes, Deduct	*-15.34*	
		For 6 To 10 Manholes, Deduct	*-25.08*	
		For >10 Manholes, Deduct	*-50.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0057	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	260.13	
		For 80 Mil Material, Add	*37.71*	
		For 100 Mil Material, Add	*75.42*	
		For 125 Mil Material, Add	*119.01*	
		For 150 Mil Material, Add	*162.59*	
		For 200 Mil Material, Add	*240.27*	
		For 2 To 5 Manholes, Deduct	*-17.75*	
		For 6 To 10 Manholes, Deduct	*-28.99*	
		For >10 Manholes, Deduct	*-57.99*	

33 05 84 00-0058 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0051)*

Note: For new manholes and shop applied.

33 05 84 00-0059	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	165.55	
33 05 84 00-0060	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	202.93	
33 05 84 00-0061	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	247.66	
33 05 84 00-0062	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	311.02	
33 05 84 00-0063	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	374.38	
33 05 84 00-0064	SF	Polyvinyl Chloride (PVC) Liner At Structures	35.13	

33 05 84 00-0065 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0066 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0065)*

33 05 84 00-0067	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	66.22	
33 05 84 00-0068	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	72.29	
33 05 84 00-0069	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	78.37	
33 05 84 00-0070	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	84.44	

33 05 84 00-0071 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0065)*

33 05 84 00-0072	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	74.34	
33 05 84 00-0073	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	81.25	
33 05 84 00-0074	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	88.15	
33 05 84 00-0075	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	95.05	

33 05 84 00-0076 30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0065)*

33 05 84 00-0077	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	82.29	
33 05 84 00-0078	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	89.99	
33 05 84 00-0079	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	97.68	
33 05 84 00-0080	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	105.38	

33 05 84 00-0081 Bentonite Collar *(33 05 84 00-0001)*

33 05 84 00-0082 Bentonite Collar At Manhole Connections *(33 05 84 00-0081)*

33 05 84 00-0083	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	93.77	
33 05 84 00-0084	EA	>12" To 21", Bentonite Collar At Manhole Connection	148.59	
33 05 84 00-0085	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	235.78	
33 05 84 00-0086	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	551.53	
33 05 84 00-0087	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	858.39	
33 05 84 00-0088	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,558.21	

33 05 84 00-0089 Waste Water Collection System Taps *(33 05 84)*

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0090 Precast Concrete Manhole Tap *(33 05 84 00-0089)*

33 05 84 00-0091	EA	4" Tap In Existing Precast Concrete Manhole	555.43	
33 05 84 00-0092	EA	6" Tap In Existing Precast Concrete Manhole	622.55	
33 05 84 00-0093	EA	8" Tap In Existing Precast Concrete Manhole	695.64	
33 05 84 00-0094	EA	10" Tap In Existing Precast Concrete Manhole	761.43	
33 05 84 00-0095	EA	12" Tap In Existing Precast Concrete Manhole	827.09	
33 05 84 00-0096	EA	15" Tap In Existing Precast Concrete Manhole	894.33	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	5.57	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	7.55	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	5.56	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	7.39	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	11.37	

33 10 Water Utilities *(33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	30.72	9.32
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*11.64*	
		For Cement Mortar Lining (CML), Add	*1.66*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*8.98*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.25*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.54*	
		For Class 52, Add	*3.60*	
		For Class 53, Add	*9.44*	
		For Class 54, Add	*13.45*	
		For Class 55, Add	*15.49*	
		For Class 56, Add	*17.50*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	33.29	9.92
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*12.79*	
		For Cement Mortar Lining (CML), Add	*1.83*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*9.87*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.37*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.66*	
		For Class 51, Add	*1.76*	
		For Class 52, Add	*3.94*	
		For Class 53, Add	*10.35*	
		For Class 54, Add	*14.75*	
		For Class 55, Add	*16.99*	
		For Class 56, Add	*19.19*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	35.56	10.40
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*13.88*	
		For Cement Mortar Lining (CML), Add	*1.98*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*10.71*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.49*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.78*	
		For Class 51, Add	*1.91*	
		For Class 52, Add	*4.26*	
		For Class 53, Add	*11.22*	
		For Class 54, Add	*15.98*	
		For Class 55, Add	*18.40*	
		For Class 56, Add	*20.78*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	41.75	10.82
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.76*	
		For Cement Mortar Lining (CML), Add	*2.54*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.90*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.09*	
		For Class 51, Add	*2.39*	
		For Class 52, Add	*5.36*	
		For Class 53, Add	*14.21*	
		For Class 54, Add	*20.26*	
		For Class 55, Add	*23.31*	
		For Class 56, Add	*26.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	56.24	15.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*19.80*	
		For Cement Mortar Lining (CML), Add	*3.30*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*16.50*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.48*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.81*	
		For Class 51, Add	*3.14*	
		For Class 52, Add	*7.02*	
		For Class 53, Add	*18.56*	
		For Class 54, Add	*26.45*	
		For Class 55, Add	*30.44*	
		For Class 56, Add	*34.36*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	67.97	17.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*21.08*	
		For Cement Mortar Lining (CML), Add	*4.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*16.86*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.16*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.40*	
		For Class 51, Add	*3.96*	
		For Class 52, Add	*8.87*	
		For Class 53, Add	*23.56*	
		For Class 54, Add	*33.59*	
		For Class 55, Add	*38.64*	
		For Class 56, Add	*43.60*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	81.33	19.14
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.00*	
		For Cement Mortar Lining (CML), Add	*5.23*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.78*	
		For Fusion Bonded Epoxy Lining (206N), Add	*9.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.07*	
		For Class 51, Add	*4.87*	
		For Class 52, Add	*10.93*	
		For Class 53, Add	*29.11*	
		For Class 54, Add	*41.52*	
		For Class 55, Add	*47.74*	
		For Class 56, Add	*53.86*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	91.80	21.92
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.03*	
		For Cement Mortar Lining (CML), Add	*5.86*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.17*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.40*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.59*	
		For Class 51, Add	*5.47*	
		For Class 52, Add	*12.26*	
		For Class 53, Add	*32.65*	
		For Class 54, Add	*46.57*	
		For Class 55, Add	*53.56*	
		For Class 56, Add	*60.42*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	113.89	25.56
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*30.82*	
		For Cement Mortar Lining (CML), Add	*7.52*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.30*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.64*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.69*	
		For Class 51, Add	*6.97*	
		For Class 52, Add	*15.63*	
		For Class 53, Add	*41.73*	
		For Class 54, Add	*59.54*	
		For Class 55, Add	*68.45*	
		For Class 56, Add	*77.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	129.24	30.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.45*	
		For Cement Mortar Lining (CML), Add	*8.28*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.18*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.46*	
		For Class 51, Add	*7.72*	
		For Class 52, Add	*17.31*	
		For Class 53, Add	*46.10*	
		For Class 54, Add	*65.76*	
		For Class 55, Add	*75.62*	
		For Class 56, Add	*85.30*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	169.18	38.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*34.43*	
		For Cement Mortar Lining (CML), Add	*11.11*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.33*	
		For Fusion Bonded Epoxy Lining (206N), Add	*19.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.33*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-8.46*	
		For Class 51, Add	*10.31*	
		For Class 52, Add	*23.12*	
		For Class 53, Add	*61.71*	
		For Class 54, Add	*88.04*	
		For Class 55, Add	*101.22*	
		For Class 56, Add	*114.16*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	218.62	41.29
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*48.56*	
		For Cement Mortar Lining (CML), Add	*15.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.75*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.93*	
		For Class 51, Add	*14.29*	
		For Class 52, Add	*32.11*	
		For Class 53, Add	*86.27*	
		For Class 54, Add	*123.16*	
		For Class 55, Add	*141.49*	
		For Class 56, Add	*159.50*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	261.72	43.84
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*60.72*	
		For Cement Mortar Lining (CML), Add	*19.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.09*	
		For Class 51, Add	*17.73*	
		For Class 52, Add	*39.86*	
		For Class 53, Add	*107.44*	
		For Class 54, Add	*153.41*	
		For Class 55, Add	*176.20*	
		For Class 56, Add	*198.57*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	322.05	46.40
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*78.22*	
		For Cement Mortar Lining (CML), Add	*25.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.10*	
		For Class 51, Add	*22.65*	
		For Class 52, Add	*50.97*	
		For Class 53, Add	*137.84*	
		For Class 54, Add	*196.87*	
		For Class 55, Add	*226.03*	
		For Class 56, Add	*254.66*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	395.21	49.03
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*99.70*	
		For Cement Mortar Lining (CML), Add	*32.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.12*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.76*	
		For Class 51, Add	*28.68*	
		For Class 52, Add	*64.59*	
		For Class 53, Add	*175.12*	
		For Class 54, Add	*250.17*	
		For Class 55, Add	*287.14*	
		For Class 56, Add	*323.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0019		Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	117.39	29.41
		For Cement Mortar Lining (CML), Add	*7.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	132.50	35.14
		For Cement Mortar Lining (CML), Add	*7.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	208.25	51.94
		For Cement Mortar Lining (CML), Add	*12.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	281.89	61.61
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	402.92	68.02
		For Cement Mortar Lining (CML), Add	*29.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	524.62	79.79
		For Cement Mortar Lining (CML), Add	*40.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	811.38	89.47
		For Cement Mortar Lining (CML), Add	*67.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,072.81	102.25
		For Cement Mortar Lining (CML), Add	*91.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	1,322.17	143.15
		For Cement Mortar Lining (CML), Add	*110.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,812.33	178.94
		For Cement Mortar Lining (CML), Add	*154.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	2,661.66	238.28
		For Cement Mortar Lining (CML), Add	*230.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	4,079.18	255.63
		For Cement Mortar Lining (CML), Add	*369.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.89*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	6,173.88	265.39
		For Cement Mortar Lining (CML), Add	*577.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,038.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*432.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	10,362.26	306.76
		For Cement Mortar Lining (CML), Add	*989.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,781.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*742.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	13,691.79	326.35
		For Cement Mortar Lining (CML), Add	*1,319.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,375.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*989.80*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	109.89	29.41
		For Cement Mortar Lining (CML), Add	*6.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	118.57	35.14
		For Cement Mortar Lining (CML), Add	*6.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	183.61	51.94
		For Cement Mortar Lining (CML), Add	*10.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	246.55	61.61
		For Cement Mortar Lining (CML), Add	*15.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	326.88	68.02
		For Cement Mortar Lining (CML), Add	*22.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	455.00	79.79
		For Cement Mortar Lining (CML), Add	*33.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	661.43	89.47
		For Cement Mortar Lining (CML), Add	*52.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	810.41	102.25
		For Cement Mortar Lining (CML), Add	*65.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,157.23	143.15
		For Cement Mortar Lining (CML), Add	*94.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*169.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*70.53*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	1,275.74	178.94
		For Cement Mortar Lining (CML), Add	*100.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*180.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	1,887.30	238.28
		For Cement Mortar Lining (CML), Add	*152.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*274.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	3,487.97	255.63
		For Cement Mortar Lining (CML), Add	*310.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*558.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	4,935.76	265.39
		For Cement Mortar Lining (CML), Add	*453.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*816.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*340.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	7,430.82	306.76
		For Cement Mortar Lining (CML), Add	*696.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,253.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*522.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	9,622.91	326.35
		For Cement Mortar Lining (CML), Add	*912.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,643.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*684.64*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	95.97	29.41
		For Cement Mortar Lining (CML), Add	*5.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	115.36	35.14
		For Cement Mortar Lining (CML), Add	*6.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	175.04	51.94
		For Cement Mortar Lining (CML), Add	*9.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	243.34	61.61
		For Cement Mortar Lining (CML), Add	*15.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	325.81	68.02
		For Cement Mortar Lining (CML), Add	*22.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	413.23	79.79
		For Cement Mortar Lining (CML), Add	*29.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	667.86	89.47
		For Cement Mortar Lining (CML), Add	*53.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*95.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	783.63	102.25
		For Cement Mortar Lining (CML), Add	*62.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*113.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	989.08	143.15
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,320.72	178.94
		For Cement Mortar Lining (CML), Add	*104.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*188.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,769.49	238.28
		For Cement Mortar Lining (CML), Add	*140.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,985.65	255.63
		For Cement Mortar Lining (CML), Add	*259.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*467.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,210.67	265.39
		For Cement Mortar Lining (CML), Add	*380.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*685.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*285.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,215.19	306.76
		For Cement Mortar Lining (CML), Add	*575.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,035.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*431.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,982.08	326.35
		For Cement Mortar Lining (CML), Add	*748.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,347.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.57*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	95.97	29.41
		For Cement Mortar Lining (CML), Add	*5.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	112.15	35.14
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	178.26	51.94
		For Cement Mortar Lining (CML), Add	*9.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.47*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	229.41	61.61
		For Cement Mortar Lining (CML), Add	*13.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	323.66	68.02
		For Cement Mortar Lining (CML), Add	*22.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	395.03	79.79
		For Cement Mortar Lining (CML), Add	*27.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	742.83	89.47
		For Cement Mortar Lining (CML), Add	*60.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	820.05	102.25
		For Cement Mortar Lining (CML), Add	*66.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*119.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,192.58	143.15
		For Cement Mortar Lining (CML), Add	*97.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,259.67	178.94
		For Cement Mortar Lining (CML), Add	*98.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,679.52	238.28
		For Cement Mortar Lining (CML), Add	*131.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,032.78	255.63
		For Cement Mortar Lining (CML), Add	*264.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*476.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*198.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,017.88	265.39
		For Cement Mortar Lining (CML), Add	*361.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*650.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,952.79	306.76
		For Cement Mortar Lining (CML), Add	*548.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*987.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*411.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,930.67	326.35
		For Cement Mortar Lining (CML), Add	*743.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,338.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*557.72*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	120.60	29.41
		For Cement Mortar Lining (CML), Add	*7.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	147.49	35.14
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	235.02	51.94
		For Cement Mortar Lining (CML), Add	*15.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	317.24	61.61
		For Cement Mortar Lining (CML), Add	*22.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	454.33	68.02
		For Cement Mortar Lining (CML), Add	*35.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	580.32	79.79
		For Cement Mortar Lining (CML), Add	*45.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	990.24	89.47
		For Cement Mortar Lining (CML), Add	*85.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,508.72	102.25
		For Cement Mortar Lining (CML), Add	*135.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*243.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,754.87	143.15
		For Cement Mortar Lining (CML), Add	*153.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*276.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,382.12	178.94
		For Cement Mortar Lining (CML), Add	*211.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*379.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,897.29	238.28
		For Cement Mortar Lining (CML), Add	*253.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*456.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,381.57	255.63
		For Cement Mortar Lining (CML), Add	*499.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*898.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*374.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,605.50	265.39
		For Cement Mortar Lining (CML), Add	*920.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,656.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*690.26*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	110.96	29.41
		For Cement Mortar Lining (CML), Add	*6.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	121.79	35.14
		For Cement Mortar Lining (CML), Add	*6.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	195.39	51.94
		For Cement Mortar Lining (CML), Add	*11.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	280.82	61.61
		For Cement Mortar Lining (CML), Add	*18.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	381.50	68.02
		For Cement Mortar Lining (CML), Add	*27.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	517.12	79.79
		For Cement Mortar Lining (CML), Add	*39.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	877.78	89.47
		For Cement Mortar Lining (CML), Add	*74.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,332.00	102.25
		For Cement Mortar Lining (CML), Add	*117.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*211.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,576.01	143.15
		For Cement Mortar Lining (CML), Add	*135.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,045.81	178.94
		For Cement Mortar Lining (CML), Add	*177.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*319.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*133.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,572.77	238.28
		For Cement Mortar Lining (CML), Add	*221.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*398.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,731.45	255.63
		For Cement Mortar Lining (CML), Add	*434.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*781.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*325.81*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,409.15	265.39
		For Cement Mortar Lining (CML), Add	*800.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,441.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*600.53*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	191.09	44.13
		For Cement Mortar Lining (CML), Add	*12.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	198.96	49.31
		For Cement Mortar Lining (CML), Add	*12.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	182.54	51.94
		For Cement Mortar Lining (CML), Add	*10.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	242.64	65.43
		For Cement Mortar Lining (CML), Add	*14.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	277.80	68.13
		For Cement Mortar Lining (CML), Add	*17.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	302.93	76.27
		For Cement Mortar Lining (CML), Add	*18.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	322.05	78.95
		For Cement Mortar Lining (CML), Add	*20.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	365.40	87.06
		For Cement Mortar Lining (CML), Add	*23.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	421.78	92.49
		For Cement Mortar Lining (CML), Add	*28.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	438.67	84.53
		For Cement Mortar Lining (CML), Add	*31.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	440.65	92.19
		For Cement Mortar Lining (CML), Add	*30.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	499.81	97.31
		For Cement Mortar Lining (CML), Add	*35.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	557.64	102.25
		For Cement Mortar Lining (CML), Add	*40.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	523.78	94.75
		For Cement Mortar Lining (CML), Add	*38.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	594.30	102.41
		For Cement Mortar Lining (CML), Add	*43.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*79.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	727.37	107.53
		For Cement Mortar Lining (CML), Add	*56.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	778.76	112.47
		For Cement Mortar Lining (CML), Add	*60.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	740.46	117.59
		For Cement Mortar Lining (CML), Add	*56.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	789.16	119.34
		For Cement Mortar Lining (CML), Add	*60.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	877.25	124.46
		For Cement Mortar Lining (CML), Add	*68.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,116.07	129.39
		For Cement Mortar Lining (CML), Add	*92.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	1,192.36	134.50
		For Cement Mortar Lining (CML), Add	*98.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	1,152.71	142.99
		For Cement Mortar Lining (CML), Add	*93.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*168.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*70.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,001.89	143.14
		For Cement Mortar Lining (CML), Add	*78.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*141.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.88*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,077.19	148.26
		For Cement Mortar Lining (CML), Add	*85.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	1,251.75	153.20
		For Cement Mortar Lining (CML), Add	*101.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*183.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	1,368.75	158.31
		For Cement Mortar Lining (CML), Add	*112.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*203.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	1,643.97	166.77
		For Cement Mortar Lining (CML), Add	*139.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*250.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*104.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	1,557.04	178.71
		For Cement Mortar Lining (CML), Add	*128.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*231.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	1,389.31	183.20
		For Cement Mortar Lining (CML), Add	*111.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	1,489.17	188.31
		For Cement Mortar Lining (CML), Add	*120.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	1,610.19	193.25
		For Cement Mortar Lining (CML), Add	*131.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	1,730.39	198.37
		For Cement Mortar Lining (CML), Add	*142.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	1,780.70	206.82
		For Cement Mortar Lining (CML), Add	*146.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	1,900.47	218.73
		For Cement Mortar Lining (CML), Add	*156.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	2,223.22	238.74
		For Cement Mortar Lining (CML), Add	*186.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*335.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	1,649.01	262.71
		For Cement Mortar Lining (CML), Add	*125.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.82*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	1,684.62	267.82
		For Cement Mortar Lining (CML), Add	*127.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	1,832.40	272.76
		For Cement Mortar Lining (CML), Add	*141.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*255.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	1,979.39	277.87
		For Cement Mortar Lining (CML), Add	*155.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*280.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*116.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	2,003.98	286.33
		For Cement Mortar Lining (CML), Add	*157.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	2,034.88	298.24
		For Cement Mortar Lining (CML), Add	*158.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*284.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*118.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	2,549.33	318.26
		For Cement Mortar Lining (CML), Add	*206.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	2,258.26	358.03
		For Cement Mortar Lining (CML), Add	*171.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*308.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	2,022.95	341.98
		For Cement Mortar Lining (CML), Add	*150.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*270.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	2,049.98	347.58
		For Cement Mortar Lining (CML), Add	*152.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*274.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	2,254.53	352.02
		For Cement Mortar Lining (CML), Add	*172.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*309.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	2,310.47	357.14
		For Cement Mortar Lining (CML), Add	*176.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	2,595.33	365.60
		For Cement Mortar Lining (CML), Add	*204.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*367.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	2,800.81	377.49
		For Cement Mortar Lining (CML), Add	*222.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*401.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	3,178.16	397.53
		For Cement Mortar Lining (CML), Add	*257.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*463.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	3,522.23	437.29
		For Cement Mortar Lining (CML), Add	*285.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*514.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	3,269.53	476.93
		For Cement Mortar Lining (CML), Add	*254.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*458.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	3,484.83	403.42
		For Cement Mortar Lining (CML), Add	*287.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*517.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	3,669.04	408.35
		For Cement Mortar Lining (CML), Add	*305.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*549.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	3,853.50	413.46
		For Cement Mortar Lining (CML), Add	*322.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*580.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*242.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	4,116.95	421.93
		For Cement Mortar Lining (CML), Add	*347.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*625.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*260.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	4,402.75	561.37
		For Cement Mortar Lining (CML), Add	*374.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*674.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	4,523.04	453.85
		For Cement Mortar Lining (CML), Add	*383.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*690.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*287.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	4,708.60	493.61
		For Cement Mortar Lining (CML), Add	*396.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*712.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*297.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	4,949.65	533.24
		For Cement Mortar Lining (CML), Add	*414.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*745.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	6,189.74	561.37
		For Cement Mortar Lining (CML), Add	*533.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*961.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*400.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	3,639.88	398.30
		For Cement Mortar Lining (CML), Add	*303.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*546.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*227.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	4,253.19	447.52
		For Cement Mortar Lining (CML), Add	*357.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*643.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*268.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	4,725.50	452.46
		For Cement Mortar Lining (CML), Add	*404.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*727.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	4,981.73	457.56
		For Cement Mortar Lining (CML), Add	*428.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*771.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	5,166.99	466.03
		For Cement Mortar Lining (CML), Add	*446.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	5,355.32	477.93
		For Cement Mortar Lining (CML), Add	*463.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*833.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*347.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	5,715.54	497.96
		For Cement Mortar Lining (CML), Add	*496.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*892.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*372.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	6,106.72	537.71
		For Cement Mortar Lining (CML), Add	*529.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*952.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*396.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	6,753.71	577.35
		For Cement Mortar Lining (CML), Add	*587.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,058.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*440.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	7,461.48	627.60
		For Cement Mortar Lining (CML), Add	*654.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,177.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*490.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	8,699.81	627.60
		For Cement Mortar Lining (CML), Add	*774.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,394.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*581.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	9,744.51	482.22
		For Cement Mortar Lining (CML), Add	*901.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,622.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*676.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	9,939.41	490.69
		For Cement Mortar Lining (CML), Add	*919.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,655.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*689.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	11,040.26	502.58
		For Cement Mortar Lining (CML), Add	*1,027.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,850.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*770.91*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	10,331.58	522.60
		For Cement Mortar Lining (CML), Add	*953.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,717.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*715.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	10,391.81	562.37
		For Cement Mortar Lining (CML), Add	*953.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,717.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*715.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	10,626.45	601.99
		For Cement Mortar Lining (CML), Add	*971.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,748.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*728.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	12,871.19	630.17
		For Cement Mortar Lining (CML), Add	*1,191.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,144.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*893.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	13,404.77	652.21
		For Cement Mortar Lining (CML), Add	*1,241.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,234.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*931.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	14,176.38	664.55
		For Cement Mortar Lining (CML), Add	*1,316.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,370.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*987.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	11,473.78	521.51
		For Cement Mortar Lining (CML), Add	*1,068.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,923.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*801.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	11,679.39	529.96
		For Cement Mortar Lining (CML), Add	*1,087.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,957.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*815.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	11,970.55	541.87
		For Cement Mortar Lining (CML), Add	*1,114.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,006.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*836.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	12,272.93	561.90
		For Cement Mortar Lining (CML), Add	*1,142.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,055.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*856.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	12,606.28	601.65
		For Cement Mortar Lining (CML), Add	*1,169.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,105.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*877.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	12,702.74	641.28
		For Cement Mortar Lining (CML), Add	*1,173.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,111.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*879.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	15,443.36	669.45
		For Cement Mortar Lining (CML), Add	*1,442.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,597.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,082.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	17,597.43	691.50
		For Cement Mortar Lining (CML), Add	*1,654.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,978.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,241.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	18,455.81	703.82
		For Cement Mortar Lining (CML), Add	*1,738.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,130.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,304.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	18,765.11	723.50
		For Cement Mortar Lining (CML), Add	*1,766.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,180.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,325.17*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	165.76	49.31
		For Cement Mortar Lining (CML), Add	*9.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	248.95	51.91
		For Cement Mortar Lining (CML), Add	*17.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	242.64	65.43
		For Cement Mortar Lining (CML), Add	*14.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	278.87	68.13
		For Cement Mortar Lining (CML), Add	*17.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	372.55	76.23
		For Cement Mortar Lining (CML), Add	*25.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	474.13	78.95
		For Cement Mortar Lining (CML), Add	*35.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	428.59	87.06
		For Cement Mortar Lining (CML), Add	*29.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	514.96	92.47
		For Cement Mortar Lining (CML), Add	*37.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	724.64	84.53
		For Cement Mortar Lining (CML), Add	*59.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*107.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.74*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	767.32	92.19
		For Cement Mortar Lining (CML), Add	*62.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	880.03	97.31
		For Cement Mortar Lining (CML), Add	*73.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	989.27	102.25
		For Cement Mortar Lining (CML), Add	*83.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	922.21	94.75
		For Cement Mortar Lining (CML), Add	*77.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*140.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,041.99	102.41
		For Cement Mortar Lining (CML), Add	*88.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*159.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,252.18	107.53
		For Cement Mortar Lining (CML), Add	*108.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,288.58	112.47
		For Cement Mortar Lining (CML), Add	*111.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,171.01	117.58
		For Cement Mortar Lining (CML), Add	*99.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*178.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,376.09	119.34
		For Cement Mortar Lining (CML), Add	*119.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,572.35	124.46
		For Cement Mortar Lining (CML), Add	*138.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*249.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,045.74	129.39
		For Cement Mortar Lining (CML), Add	*184.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*332.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,190.57	134.50
		For Cement Mortar Lining (CML), Add	*198.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*357.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,143.42	142.97
		For Cement Mortar Lining (CML), Add	*192.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.51*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,418.60	143.14
		For Cement Mortar Lining (CML), Add	*120.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,559.16	148.26
		For Cement Mortar Lining (CML), Add	*133.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,833.32	153.20
		For Cement Mortar Lining (CML), Add	*160.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*288.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,047.79	158.31
		For Cement Mortar Lining (CML), Add	*180.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*325.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,555.43	166.77
		For Cement Mortar Lining (CML), Add	*230.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,468.49	178.67
		For Cement Mortar Lining (CML), Add	*219.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*395.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,223.65	183.20
		For Cement Mortar Lining (CML), Add	*194.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,392.06	188.31
		For Cement Mortar Lining (CML), Add	*210.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*379.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,554.85	193.25
		For Cement Mortar Lining (CML), Add	*226.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*407.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,731.81	198.37
		For Cement Mortar Lining (CML), Add	*243.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*437.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,763.92	206.82
		For Cement Mortar Lining (CML), Add	*245.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*441.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,794.79	218.73
		For Cement Mortar Lining (CML), Add	*246.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*443.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	2,565.95	238.75
		For Cement Mortar Lining (CML), Add	*220.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.32*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,649.37	262.71
		For Cement Mortar Lining (CML), Add	*225.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*405.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*168.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,707.46	267.82
		For Cement Mortar Lining (CML), Add	*230.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,967.70	272.76
		For Cement Mortar Lining (CML), Add	*255.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,226.08	277.87
		For Cement Mortar Lining (CML), Add	*280.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,260.31	286.33
		For Cement Mortar Lining (CML), Add	*282.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*508.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	3,300.85	298.24
		For Cement Mortar Lining (CML), Add	*284.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*512.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*213.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	3,817.44	318.26
		For Cement Mortar Lining (CML), Add	*333.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*600.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*250.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	3,631.33	358.02
		For Cement Mortar Lining (CML), Add	*308.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*556.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*231.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,226.80	341.98
		For Cement Mortar Lining (CML), Add	*270.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*487.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*203.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	3,268.82	347.08
		For Cement Mortar Lining (CML), Add	*274.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*493.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,630.82	352.02
		For Cement Mortar Lining (CML), Add	*309.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,797.07	357.14
		For Cement Mortar Lining (CML), Add	*325.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*586.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,371.12	365.60
		For Cement Mortar Lining (CML), Add	*381.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*687.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*286.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,848.64	377.49
		For Cement Mortar Lining (CML), Add	*427.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*769.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	5,418.78	397.53
		For Cement Mortar Lining (CML), Add	*481.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*866.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*361.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	5,953.49	437.29
		For Cement Mortar Lining (CML), Add	*529.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*952.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*396.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	5,306.65	476.91
		For Cement Mortar Lining (CML), Add	*458.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*825.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*343.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	6,578.81	398.30
		For Cement Mortar Lining (CML), Add	*597.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,075.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*448.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	7,364.14	403.42
		For Cement Mortar Lining (CML), Add	*675.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,215.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*506.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	7,787.19	408.35
		For Cement Mortar Lining (CML), Add	*716.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,290.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*537.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	8,210.49	413.46
		For Cement Mortar Lining (CML), Add	*758.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,365.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*568.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	8,811.32	421.93
		For Cement Mortar Lining (CML), Add	*817.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,470.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*612.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	9,459.13	433.83
		For Cement Mortar Lining (CML), Add	*880.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,584.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*660.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,700.45	453.85
		For Cement Mortar Lining (CML), Add	*901.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,622.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*675.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,055.23	493.61
		For Cement Mortar Lining (CML), Add	*930.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,675.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*698.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	10,540.48	533.24
		For Cement Mortar Lining (CML), Add	*973.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,751.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*729.94*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	11,419.64	561.40
		For Cement Mortar Lining (CML), Add	*1,056.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,902.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*792.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	12,486.51	457.56
		For Cement Mortar Lining (CML), Add	*1,179.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,122.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*884.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	12,973.80	466.03
		For Cement Mortar Lining (CML), Add	*1,226.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,208.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*920.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	13,459.88	477.93
		For Cement Mortar Lining (CML), Add	*1,273.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,292.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*955.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	14,397.39	497.96
		For Cement Mortar Lining (CML), Add	*1,364.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,455.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,023.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	15,368.00	537.71
		For Cement Mortar Lining (CML), Add	*1,455.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,619.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,091.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	17,042.12	577.35
		For Cement Mortar Lining (CML), Add	*1,616.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,910.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,212.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	19,080.13	605.51
		For Cement Mortar Lining (CML), Add	*1,816.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,269.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,362.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	22,745.44	627.56
		For Cement Mortar Lining (CML), Add	*2,179.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,923.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,634.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	20,017.25	562.37
		For Cement Mortar Lining (CML), Add	*1,916.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,449.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,437.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	20,523.93	601.99
		For Cement Mortar Lining (CML), Add	*1,961.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,530.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,470.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	21,920.41	630.17
		For Cement Mortar Lining (CML), Add	*2,096.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,773.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,572.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	25,049.11	652.21
		For Cement Mortar Lining (CML), Add	*2,406.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,330.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,804.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	29,516.89	664.54
		For Cement Mortar Lining (CML), Add	*2,851.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,131.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,138.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	19,759.75	601.65
		For Cement Mortar Lining (CML), Add	*1,884.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,392.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,413.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	22,368.88	641.28
		For Cement Mortar Lining (CML), Add	*2,139.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,851.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,604.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	23,837.10	669.45
		For Cement Mortar Lining (CML), Add	*2,282.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,108.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,711.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	27,153.25	691.50
		For Cement Mortar Lining (CML), Add	*2,610.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,699.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,957.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	35,451.07	703.82
		For Cement Mortar Lining (CML), Add	*3,438.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,189.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,578.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	38,908.16	723.47
		For Cement Mortar Lining (CML), Add	*3,781.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,806.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,835.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint Ductile Iron Cross** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	227.29	58.83
		For Cement Mortar Lining (CML), Add	*13.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	273.72	64.01
		For Cement Mortar Lining (CML), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	322.16	64.88
		For Cement Mortar Lining (CML), Add	*22.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	385.05	80.20
		For Cement Mortar Lining (CML), Add	*26.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	375.28	86.51
		For Cement Mortar Lining (CML), Add	*24.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.32*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	438.04	108.14
		For Cement Mortar Lining (CML), Add	*27.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	386.51	94.63
		For Cement Mortar Lining (CML), Add	*24.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross	459.98	116.26
		For Cement Mortar Lining (CML), Add	*28.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross	487.27	124.36
		For Cement Mortar Lining (CML), Add	*29.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross	466.81	98.86
		For Cement Mortar Lining (CML), Add	*31.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross	536.36	119.31
		For Cement Mortar Lining (CML), Add	*35.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*64.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross	633.67	126.98
		For Cement Mortar Lining (CML), Add	*44.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*79.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross	685.35	136.34
		For Cement Mortar Lining (CML), Add	*47.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross	563.24	107.36
		For Cement Mortar Lining (CML), Add	*40.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross	655.28	127.81
		For Cement Mortar Lining (CML), Add	*46.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*83.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross	933.60	135.49
		For Cement Mortar Lining (CML), Add	*72.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross	947.80	144.87
		For Cement Mortar Lining (CML), Add	*72.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,073.15	153.38
		For Cement Mortar Lining (CML), Add	*84.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.06*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,095.56	140.59
		For Cement Mortar Lining (CML), Add	*88.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross	1,284.97	148.26
		For Cement Mortar Lining (CML), Add	*106.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*190.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross	1,320.60	157.65
		For Cement Mortar Lining (CML), Add	*108.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross	1,393.47	166.15
		For Cement Mortar Lining (CML), Add	*114.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*205.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross	1,540.28	178.94
		For Cement Mortar Lining (CML), Add	*126.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*228.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross	1,252.24	158.47
		For Cement Mortar Lining (CML), Add	*101.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross	1,421.32	166.15
		For Cement Mortar Lining (CML), Add	*116.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*210.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross	1,695.35	175.52
		For Cement Mortar Lining (CML), Add	*142.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross	1,886.47	184.03
		For Cement Mortar Lining (CML), Add	*160.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross	2,272.13	196.81
		For Cement Mortar Lining (CML), Add	*197.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross	2,655.87	214.73
		For Cement Mortar Lining (CML), Add	*233.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*419.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross	2,052.21	187.39
		For Cement Mortar Lining (CML), Add	*176.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross	2,168.80	195.07
		For Cement Mortar Lining (CML), Add	*187.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*337.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.49*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross	2,270.82	204.44
		For Cement Mortar Lining (CML), Add	*196.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*147.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross	2,459.36	212.95
		For Cement Mortar Lining (CML), Add	*213.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*384.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross	2,863.23	225.73
		For Cement Mortar Lining (CML), Add	*252.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*453.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*189.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross	3,048.84	243.60
		For Cement Mortar Lining (CML), Add	*267.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*482.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross	3,197.61	272.51
		For Cement Mortar Lining (CML), Add	*278.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*501.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*208.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross	2,579.72	235.12
		For Cement Mortar Lining (CML), Add	*222.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*400.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross	2,697.38	242.79
		For Cement Mortar Lining (CML), Add	*232.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*419.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross	2,781.20	252.17
		For Cement Mortar Lining (CML), Add	*239.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*431.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*179.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross	2,968.68	260.68
		For Cement Mortar Lining (CML), Add	*257.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*463.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross	3,023.37	273.46
		For Cement Mortar Lining (CML), Add	*260.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*469.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross	3,645.96	291.34
		For Cement Mortar Lining (CML), Add	*320.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*576.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*240.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross	3,794.74	320.25
		For Cement Mortar Lining (CML), Add	*330.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*595.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*248.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross	4,112.33	367.94
		For Cement Mortar Lining (CML), Add	*355.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*639.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*266.61*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross	3,509.88	294.12
		For Cement Mortar Lining (CML), Add	*306.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*551.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*229.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross	3,592.42	301.79
		For Cement Mortar Lining (CML), Add	*313.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*564.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross	3,728.49	311.17
		For Cement Mortar Lining (CML), Add	*325.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*586.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross	3,846.35	319.68
		For Cement Mortar Lining (CML), Add	*336.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*605.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*252.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross	3,918.19	332.46
		For Cement Mortar Lining (CML), Add	*341.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*614.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*256.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross	4,068.46	350.34
		For Cement Mortar Lining (CML), Add	*353.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*636.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*265.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross	5,355.74	379.25
		For Cement Mortar Lining (CML), Add	*478.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*860.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*358.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross	5,655.12	426.98
		For Cement Mortar Lining (CML), Add	*500.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*901.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross	6,235.05	486.00
		For Cement Mortar Lining (CML), Add	*549.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*989.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*412.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross	6,666.40	391.06
		For Cement Mortar Lining (CML), Add	*607.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,093.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*455.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross	6,799.49	400.45
		For Cement Mortar Lining (CML), Add	*619.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,114.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*464.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross	6,930.21	408.95
		For Cement Mortar Lining (CML), Add	*631.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,135.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*473.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross	7,085.57	421.74
		For Cement Mortar Lining (CML), Add	*644.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,160.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*483.49*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross	7,264.76	439.61
		For Cement Mortar Lining (CML), Add	*659.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,187.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*494.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross	7,477.80	468.53
		For Cement Mortar Lining (CML), Add	*676.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross	7,752.55	516.26
		For Cement Mortar Lining (CML), Add	*697.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,254.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*522.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross	9,942.25	575.26
		For Cement Mortar Lining (CML), Add	*907.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,632.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*680.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross	11,433.44	664.55
		For Cement Mortar Lining (CML), Add	*1,042.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,876.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*781.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross	9,271.77	423.98
		For Cement Mortar Lining (CML), Add	*862.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,553.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*647.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross	9,403.78	433.36
		For Cement Mortar Lining (CML), Add	*874.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,574.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*656.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross	9,517.35	441.86
		For Cement Mortar Lining (CML), Add	*884.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,592.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*663.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross	9,654.53	454.64
		For Cement Mortar Lining (CML), Add	*896.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,613.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*672.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross	9,816.58	472.53
		For Cement Mortar Lining (CML), Add	*910.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,638.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*682.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross	10,011.39	501.44
		For Cement Mortar Lining (CML), Add	*925.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,665.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*693.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross	10,269.00	549.17
		For Cement Mortar Lining (CML), Add	*943.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,698.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*707.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross	10,711.84	608.17
		For Cement Mortar Lining (CML), Add	*979.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,762.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*734.28*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross	14,396.54	697.45
		For Cement Mortar Lining (CML), Add	*1,333.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,401.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,000.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross	15,808.77	730.39
		For Cement Mortar Lining (CML), Add	*1,470.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,646.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,102.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross	12,416.58	460.89
		For Cement Mortar Lining (CML), Add	*1,171.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,109.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*878.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross	14,027.23	473.67
		For Cement Mortar Lining (CML), Add	*1,330.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,395.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*998.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross	12,704.01	491.56
		For Cement Mortar Lining (CML), Add	*1,195.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,152.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*896.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross	12,877.41	520.46
		For Cement Mortar Lining (CML), Add	*1,208.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,175.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*906.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross	13,126.45	568.20
		For Cement Mortar Lining (CML), Add	*1,226.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,207.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*919.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross	13,538.22	627.19
		For Cement Mortar Lining (CML), Add	*1,258.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,265.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*944.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross	17,310.75	716.48
		For Cement Mortar Lining (CML), Add	*1,622.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,920.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,216.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	22,560.51	749.39
		For Cement Mortar Lining (CML), Add	*2,142.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,856.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,606.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	24,165.93	768.43
		For Cement Mortar Lining (CML), Add	*2,300.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,140.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,725.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	16,764.86	536.44
		For Cement Mortar Lining (CML), Add	*1,595.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,871.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,196.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	16,880.61	549.22
		For Cement Mortar Lining (CML), Add	*1,604.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,888.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,203.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	17,036.24	567.10
		For Cement Mortar Lining (CML), Add	*1,617.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,911.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,213.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	17,208.56	596.02
		For Cement Mortar Lining (CML), Add	*1,630.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,934.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,222.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	17,442.62	643.75
		For Cement Mortar Lining (CML), Add	*1,646.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,964.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,235.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	17,837.26	702.75
		For Cement Mortar Lining (CML), Add	*1,677.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,019.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,257.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	18,890.42	792.03
		For Cement Mortar Lining (CML), Add	*1,769.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,184.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,326.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	23,108.76	824.94
		For Cement Mortar Lining (CML), Add	*2,185.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,934.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,639.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	29,657.01	843.96
		For Cement Mortar Lining (CML), Add	*2,837.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,108.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,128.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	31,590.10	919.48
		For Cement Mortar Lining (CML), Add	*3,019.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,435.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,264.77*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*

33 14 13 13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	110.62	32.01
		For Cement Mortar Lining (CML), Add	*6.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	129.34	40.12
		For Cement Mortar Lining (CML), Add	*6.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	139.69	42.72
		For Cement Mortar Lining (CML), Add	*7.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	175.82	48.13
		For Cement Mortar Lining (CML), Add	*10.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.71*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	194.46	56.23
		For Cement Mortar Lining (CML), Add	*10.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	210.32	50.44
		For Cement Mortar Lining (CML), Add	*13.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	229.42	58.11
		For Cement Mortar Lining (CML), Add	*14.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	251.09	63.23
		For Cement Mortar Lining (CML), Add	*15.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	253.39	55.55
		For Cement Mortar Lining (CML), Add	*16.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	282.15	63.23
		For Cement Mortar Lining (CML), Add	*18.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	295.26	68.33
		For Cement Mortar Lining (CML), Add	*19.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	323.10	73.27
		For Cement Mortar Lining (CML), Add	*21.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	522.03	71.68
		For Cement Mortar Lining (CML), Add	*41.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*74.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	508.37	76.80
		For Cement Mortar Lining (CML), Add	*39.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	458.00	81.74
		For Cement Mortar Lining (CML), Add	*33.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	481.83	86.86
		For Cement Mortar Lining (CML), Add	*35.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	612.89	83.58
		For Cement Mortar Lining (CML), Add	*48.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*87.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.47*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	602.44	88.70
		For Cement Mortar Lining (CML), Add	*46.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	592.79	93.64
		For Cement Mortar Lining (CML), Add	*45.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*81.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	642.30	98.76
		For Cement Mortar Lining (CML), Add	*49.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*88.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	714.04	107.21
		For Cement Mortar Lining (CML), Add	*55.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	765.59	108.73
		For Cement Mortar Lining (CML), Add	*60.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*108.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	856.61	113.67
		For Cement Mortar Lining (CML), Add	*68.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	827.95	118.78
		For Cement Mortar Lining (CML), Add	*64.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	878.26	127.24
		For Cement Mortar Lining (CML), Add	*68.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	926.27	139.15
		For Cement Mortar Lining (CML), Add	*71.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,079.66	148.49
		For Cement Mortar Lining (CML), Add	*85.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,037.88	153.42
		For Cement Mortar Lining (CML), Add	*80.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	961.01	158.54
		For Cement Mortar Lining (CML), Add	*72.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	968.47	166.99
		For Cement Mortar Lining (CML), Add	*71.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0409	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,001.50	178.90
		For Cement Mortar Lining (CML), Add	*73.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,197.86	198.92
		For Cement Mortar Lining (CML), Add	*89.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*161.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,404.50	198.16
		For Cement Mortar Lining (CML), Add	*110.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,445.16	206.63
		For Cement Mortar Lining (CML), Add	*113.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*203.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,478.19	218.53
		For Cement Mortar Lining (CML), Add	*114.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,458.18	238.55
		For Cement Mortar Lining (CML), Add	*109.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*197.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,779.76	278.31
		For Cement Mortar Lining (CML), Add	*135.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,863.95	246.69
		For Cement Mortar Lining (CML), Add	*249.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,992.82	266.72
		For Cement Mortar Lining (CML), Add	*258.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*465.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,909.54	306.47
		For Cement Mortar Lining (CML), Add	*244.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*440.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,852.84	346.10
		For Cement Mortar Lining (CML), Add	*232.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*419.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,286.04	328.53
		For Cement Mortar Lining (CML), Add	*378.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*681.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,565.29	368.15
		For Cement Mortar Lining (CML), Add	*300.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*541.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.56*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,871.45	396.32
		For Cement Mortar Lining (CML), Add	*327.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*588.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,541.16	281.08
		For Cement Mortar Lining (CML), Add	*511.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*920.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*383.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,524.36	301.09
		For Cement Mortar Lining (CML), Add	*506.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*912.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*380.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,567.46	340.85
		For Cement Mortar Lining (CML), Add	*505.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*909.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*378.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,213.37	380.49
		For Cement Mortar Lining (CML), Add	*563.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,014.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*422.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,144.31	408.64
		For Cement Mortar Lining (CML), Add	*452.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*814.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*339.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,385.50	430.70
		For Cement Mortar Lining (CML), Add	*473.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*851.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*354.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,449.51	300.72
		For Cement Mortar Lining (CML), Add	*699.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,258.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*524.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,229.24	320.74
		For Cement Mortar Lining (CML), Add	*674.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,213.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*505.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,903.89	360.50
		For Cement Mortar Lining (CML), Add	*635.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,144.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*476.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,125.67	400.12
		For Cement Mortar Lining (CML), Add	*651.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,173.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*488.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,503.94	428.29
		For Cement Mortar Lining (CML), Add	*785.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,413.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,465.24	450.34
		For Cement Mortar Lining (CML), Add	*678.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,220.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*508.72*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,188.65	462.67
		For Cement Mortar Lining (CML), Add	*748.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,347.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436		Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*		
33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps	130.26	67.59
		For Cement Mortar Lining (CML), Add	*2.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps	149.08	79.30
		For Cement Mortar Lining (CML), Add	*2.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps	201.61	99.12
		For Cement Mortar Lining (CML), Add	*5.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps	257.33	113.30
		For Cement Mortar Lining (CML), Add	*8.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps	366.39	170.42
		For Cement Mortar Lining (CML), Add	*10.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps	443.41	185.91
		For Cement Mortar Lining (CML), Add	*16.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps	555.12	204.50
		For Cement Mortar Lining (CML), Add	*24.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps	673.09	227.20
		For Cement Mortar Lining (CML), Add	*32.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps	788.95	255.63
		For Cement Mortar Lining (CML), Add	*40.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps	962.09	292.11
		For Cement Mortar Lining (CML), Add	*51.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps	1,229.72	340.83
		For Cement Mortar Lining (CML), Add	*71.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.50*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps	2,250.89	409.00
		For Cement Mortar Lining (CML), Add	*163.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*293.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*122.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps	3,741.40	511.25
		For Cement Mortar Lining (CML), Add	*296.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*534.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*222.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	42" Mechanical Joint Ductile Iron Caps	5,428.98	613.50
		For Cement Mortar Lining (CML), Add	*449.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*809.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*337.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" Mechanical Joint Ductile Iron Caps	6,454.43	681.67
		For Cement Mortar Lining (CML), Add	*542.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*975.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.62*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0452 Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*

33 14 13 13-0453	EA	3" Mechanical Joint Ductile Iron Plug	134.54	67.59
		For Cement Mortar Lining (CML), Add	*3.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	4" Mechanical Joint Ductile Iron Plug	155.50	79.30
		For Cement Mortar Lining (CML), Add	*3.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	6" Mechanical Joint Ductile Iron Plug	218.75	99.12
		For Cement Mortar Lining (CML), Add	*6.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	8" Mechanical Joint Ductile Iron Plug	274.47	113.30
		For Cement Mortar Lining (CML), Add	*10.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	10" Mechanical Joint Ductile Iron Plug	436.00	170.42
		For Cement Mortar Lining (CML), Add	*17.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	12" Mechanical Joint Ductile Iron Plug	462.69	185.91
		For Cement Mortar Lining (CML), Add	*18.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	14" Mechanical Joint Ductile Iron Plug	678.29	204.50
		For Cement Mortar Lining (CML), Add	*36.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	16" Mechanical Joint Ductile Iron Plug	391.40	227.20
		For Cement Mortar Lining (CML), Add	*4.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.53*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0461	EA	18" Mechanical Joint Ductile Iron Plug	972.10	255.63
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	20" Mechanical Joint Ductile Iron Plug	1,211.65	292.11
		For Cement Mortar Lining (CML), Add	*76.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug	1,583.17	340.83
		For Cement Mortar Lining (CML), Add	*106.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*192.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug	2,737.15	409.00
		For Cement Mortar Lining (CML), Add	*211.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*381.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug	4,045.58	511.25
		For Cement Mortar Lining (CML), Add	*327.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*588.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug	5,467.54	613.50
		For Cement Mortar Lining (CML), Add	*453.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*816.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*340.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug	7,082.05	681.67
		For Cement Mortar Lining (CML), Add	*604.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,088.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*453.69*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0468 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*

33 14 13 13-0469	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	225.28	102.73
		For Cement Mortar Lining (CML), Add	*6.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	255.21	118.96
		For Cement Mortar Lining (CML), Add	*7.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	329.19	148.69
		For Cement Mortar Lining (CML), Add	*10.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	414.91	169.92
		For Cement Mortar Lining (CML), Add	*15.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	661.50	255.63
		For Cement Mortar Lining (CML), Add	*27.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.56*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	773.82	278.87
		For Cement Mortar Lining (CML), Add	*35.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,022.79	306.76
		For Cement Mortar Lining (CML), Add	*55.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*100.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,153.68	340.83
		For Cement Mortar Lining (CML), Add	*63.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*114.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,555.62	383.43
		For Cement Mortar Lining (CML), Add	*97.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,824.97	438.21
		For Cement Mortar Lining (CML), Add	*116.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*208.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,204.46	511.25
		For Cement Mortar Lining (CML), Add	*142.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,561.09	613.50
		For Cement Mortar Lining (CML), Add	*263.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*473.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,933.07	766.88
		For Cement Mortar Lining (CML), Add	*377.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,585.66	876.41
		For Cement Mortar Lining (CML), Add	*525.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*946.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*394.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,134.00	1,022.50
		For Cement Mortar Lining (CML), Add	*658.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,185.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*493.86*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

33 14 13 13-0485	EA	3" Mechanical Joint Ductile Iron Long Sleeves	214.57	102.73
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	4" Mechanical Joint Ductile Iron Long Sleeves	249.86	118.96
		For Cement Mortar Lining (CML), Add	*6.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.22*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0487	EA	6" Mechanical Joint Ductile Iron Long Sleeves	342.04	148.69
		For Cement Mortar Lining (CML), Add	*11.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	8" Mechanical Joint Ductile Iron Long Sleeves	449.19	169.92
		For Cement Mortar Lining (CML), Add	*19.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489	EA	10" Mechanical Joint Ductile Iron Long Sleeves	615.44	255.63
		For Cement Mortar Lining (CML), Add	*22.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	12" Mechanical Joint Ductile Iron Long Sleeves	730.98	278.87
		For Cement Mortar Lining (CML), Add	*30.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	14" Mechanical Joint Ductile Iron Long Sleeves	930.68	306.76
		For Cement Mortar Lining (CML), Add	*46.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*83.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,106.55	340.83
		For Cement Mortar Lining (CML), Add	*59.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*106.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	18" Mechanical Joint Ductile Iron Long Sleeves	1,336.05	383.43
		For Cement Mortar Lining (CML), Add	*75.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*135.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves	1,575.42	438.21
		For Cement Mortar Lining (CML), Add	*91.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*164.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves	1,975.26	511.25
		For Cement Mortar Lining (CML), Add	*120.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves	3,444.34	613.50
		For Cement Mortar Lining (CML), Add	*251.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*452.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*188.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves	4,693.16	766.88
		For Cement Mortar Lining (CML), Add	*353.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*635.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*264.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves	6,049.70	875.41
		For Cement Mortar Lining (CML), Add	*472.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*850.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*354.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves	8,184.34	1,022.50
		For Cement Mortar Lining (CML), Add	*663.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,194.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.63*	
		Note: ANSI/AWWA C151/A21.51		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0500			**Mechanical Joint Ductile Iron Gland Packs** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0501			**Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
	33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	21.42	
	33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	32.96	
	33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.82	
	33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	46.69	
	33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	64.54	
	33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	68.66	
	33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	112.60	
	33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	119.47	
	33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	159.29	
	33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	205.98	
	33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	287.00	
	33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	685.23	
	33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,477.56	
	33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,157.30	
	33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,647.53	
33 14 13 13-0517			**Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
	33 14 13 13-0518	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	36.42	
	33 14 13 13-0519	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	46.69	
	33 14 13 13-0520	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	59.05	
	33 14 13 13-0521	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	64.54	
	33 14 13 13-0522	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	89.26	
	33 14 13 13-0523	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	93.38	
	33 14 13 13-0524	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	141.44	
	33 14 13 13-0525	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	155.17	
	33 14 13 13-0526	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	205.98	
	33 14 13 13-0527	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	266.40	
	33 14 13 13-0528	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	372.14	
33 14 13 13-0529			**Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
	33 14 13 13-0530	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	23.56	
	33 14 13 13-0531	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	35.70	
	33 14 13 13-0532	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	42.57	
	33 14 13 13-0533	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	50.81	
	33 14 13 13-0534	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	70.03	
	33 14 13 13-0535	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	74.15	
	33 14 13 13-0536	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	122.21	
	33 14 13 13-0537	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	129.08	
	33 14 13 13-0538	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	174.40	
	33 14 13 13-0539	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	223.83	
	33 14 13 13-0540	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	313.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0541	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	749.77	
33 14 13 13-0542	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,661.57	
33 14 13 13-0543	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,405.85	
33 14 13 13-0544	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,960.62	
33 14 13 13-0545		Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	140.67	51.53
33 14 13 13-0547	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	160.46	61.03
33 14 13 13-0548	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	199.07	75.54
33 14 13 13-0549	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	248.38	88.15
33 14 13 13-0550	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	357.79	127.81
33 14 13 13-0551	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	441.35	146.10
33 14 13 13-0552	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	514.21	157.25
33 14 13 13-0553	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	634.18	170.42
33 14 13 13-0554	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	814.06	204.50
33 14 13 13-0555	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	961.13	227.12
33 14 13 13-0556	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,248.86	262.06
33 14 13 13-0557	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	2,428.66	314.27
33 14 13 13-0558	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	2,999.03	393.27
33 14 13 13-0559	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	4,428.80	453.78
33 14 13 13-0560	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	5,671.53	583.60
33 14 13 13-0561		Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*		
33 14 13 13-0562	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	3,013.31	42.17
33 14 13 13-0563	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	3,137.44	52.72
33 14 13 13-0564	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,552.62	77.91
33 14 13 13-0565	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	6,187.20	92.41
33 14 13 13-0566	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,798.69	102.02
33 14 13 13-0567	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	10,402.28	119.68
33 14 13 13-0568	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,814.77	134.21
33 14 13 13-0569	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	15,160.64	153.38
33 14 13 13-0570	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	17,090.99	214.73
33 14 13 13-0571	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	22,993.37	268.41
33 14 13 13-0572	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	31,860.45	357.87
33 14 13 13-0573		Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0574	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	139.66	51.53
33 14 13 13-0575	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	179.20	61.03
33 14 13 13-0576	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	231.56	75.54
33 14 13 13-0577	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	264.32	88.15
33 14 13 13-0578	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	463.99	135.18
33 14 13 13-0579	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	525.15	154.51
33 14 13 13-0580		Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0581	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300))	203.33	51.53
33 14 13 13-0582	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	252.87	61.03
33 14 13 13-0583	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	350.00	75.54
33 14 13 13-0584	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	505.82	88.15
33 14 13 13-0585	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	732.88	135.18
33 14 13 13-0586	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	911.08	154.51
33 14 13 13-0587	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	1,403.03	166.31
33 14 13 13-0588	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	1,965.73	180.24
33 14 13 13-0589	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	2,223.51	216.28
33 14 13 13-0590	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	2,456.17	240.20
33 14 13 13-0591	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	2,971.23	277.15
33 14 13 13-0592	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	3,822.41	332.37
33 14 13 13-0593	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	5,708.39	415.93
33 14 13 13-0594	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	14,883.29	479.91
33 14 13 13-0595	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	19,063.40	617.22
33 14 13 13-0596		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)* Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0597		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0596)*		
33 14 13 13-0598	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	272.69	29.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0599	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	326.37	35.22
33 14 13 13-0600	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	505.99	51.61
33 14 13 13-0601	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	689.96	61.44
33 14 13 13-0602	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	942.73	68.17
33 14 13 13-0603	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,194.02	79.79
33 14 13 13-0604	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,692.84	89.85
33 14 13 13-0605	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,052.81	102.25
33 14 13 13-0606	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,484.25	143.31
33 14 13 13-0607	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,096.51	178.94
33 14 13 13-0608	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,375.34	238.59
33 14 13 13-0609	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	6,981.70	255.63
33 14 13 13-0610	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	10,262.04	265.69
33 14 13 13-0611	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	16,882.75	306.76
33 14 13 13-0612	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	22,070.54	326.11

33 14 13 13-0613 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0596)*

33 14 13 13-0614	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	260.91	29.41
33 14 13 13-0615	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	306.02	35.22
33 14 13 13-0616	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	470.65	51.61
33 14 13 13-0617	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	635.34	61.44
33 14 13 13-0618	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	827.05	68.17
33 14 13 13-0619	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,090.13	79.79
33 14 13 13-0620	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,470.07	89.85
33 14 13 13-0621	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,759.35	102.25
33 14 13 13-0622	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,084.75	143.31
33 14 13 13-0623	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,532.08	178.94
33 14 13 13-0624	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,337.50	238.59
33 14 13 13-0625	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,106.66	255.63
33 14 13 13-0626	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	8,427.35	265.69
33 14 13 13-0627	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	12,506.48	306.76
33 14 13 13-0628	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,997.74	326.11

33 14 13 13-0629 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0596)*

33 14 13 13-0630	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	204.14	29.41
33 14 13 13-0631	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	302.80	35.22
33 14 13 13-0632	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	457.80	51.61
33 14 13 13-0633	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	631.05	61.44
33 14 13 13-0634	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	825.98	68.17
33 14 13 13-0635	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,028.01	79.79
33 14 13 13-0636	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,478.63	89.85
33 14 13 13-0637	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,720.79	102.25
33 14 13 13-0638	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,075.11	143.31
33 14 13 13-0639	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,620.97	178.94
33 14 13 13-0640	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,266.81	238.59
33 14 13 13-0641	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,439.41	255.63
33 14 13 13-0642	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,409.86	265.69
33 14 13 13-0643	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,590.39	306.76
33 14 13 13-0644	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,548.28	326.11

33 14 13 13-0645 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0596)*

33 14 13 13-0646	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	204.14	29.41
33 14 13 13-0647	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	361.71	35.22
33 14 13 13-0648	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	462.08	51.61
33 14 13 13-0649	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	611.77	61.44
33 14 13 13-0650	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	823.84	68.17
33 14 13 13-0651	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	999.09	79.79
33 14 13 13-0652	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,591.09	89.85
33 14 13 13-0653	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,773.27	102.25
33 14 13 13-0654	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,379.29	143.31
33 14 13 13-0655	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,528.86	178.94
33 14 13 13-0656	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,267.88	238.59
33 14 13 13-0657	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,510.09	255.63
33 14 13 13-0658	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,207.44	265.69
33 14 13 13-0659	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,301.21	306.76
33 14 13 13-0660	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,471.16	326.11

33 14 13 13-0661 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0596)*

33 14 13 13-0662	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	239.49	29.41
33 14 13 13-0663	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	351.00	35.22
33 14 13 13-0664	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	546.69	51.61
33 14 13 13-0665	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	741.37	61.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0666	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,017.70	68.17
33 14 13 13-0667	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,276.49	79.79
33 14 13 13-0668	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,285.13	89.85
33 14 13 13-0669	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,559.77	102.25
33 14 13 13-0670	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,072.60	143.31
33 14 13 13-0671	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,696.65	178.94
33 14 13 13-0672	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,086.51	238.59
33 14 13 13-0673		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0596)*		
33 14 13 13-0674	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	239.49	29.41
33 14 13 13-0675	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	310.29	35.22
33 14 13 13-0676	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	487.79	51.61
33 14 13 13-0677	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	687.82	61.44
33 14 13 13-0678	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	909.52	68.17
33 14 13 13-0679	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,182.24	79.79
33 14 13 13-0680	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,572.89	89.85
33 14 13 13-0681	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,888.94	102.25
33 14 13 13-0682	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,526.37	143.31
33 14 13 13-0683	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,704.85	178.94
33 14 13 13-0684	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,867.65	238.59
33 14 13 13-0685		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0596)*		
33 14 13 13-0686	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	337.82	44.13
33 14 13 13-0687	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	368.83	49.75
33 14 13 13-0688	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	389.25	51.61
33 14 13 13-0689	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	553.24	65.43
33 14 13 13-0690	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	599.11	67.99
33 14 13 13-0691	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	632.81	76.19
33 14 13 13-0692	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	734.40	78.65
33 14 13 13-0693	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	794.88	86.84
33 14 13 13-0694	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	873.76	92.57
33 14 13 13-0695	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	981.69	84.43
33 14 13 13-0696	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	981.53	92.18
33 14 13 13-0697	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,063.18	97.60
33 14 13 13-0698	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,146.71	102.25
33 14 13 13-0699	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,180.33	94.51
33 14 13 13-0700	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,191.94	102.25
33 14 13 13-0701	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,288.59	107.67
33 14 13 13-0702	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,483.51	112.32
33 14 13 13-0703	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,488.04	117.74
33 14 13 13-0704	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,683.48	119.29
33 14 13 13-0705	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,820.83	124.71
33 14 13 13-0706	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,206.39	129.37
33 14 13 13-0707	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,328.73	134.78
33 14 13 13-0708	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,160.56	143.31
33 14 13 13-0709	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,014.03	143.31
33 14 13 13-0710	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,122.52	147.95
33 14 13 13-0711	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,542.35	153.38
33 14 13 13-0712	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,387.31	158.02
33 14 13 13-0713	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,108.08	166.54
33 14 13 13-0714	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,816.58	178.94
33 14 13 13-0715	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,643.50	183.58
33 14 13 13-0716	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,787.27	188.24
33 14 13 13-0717	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,969.34	192.88
33 14 13 13-0718	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,137.73	198.30
33 14 13 13-0719	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,224.47	206.82
33 14 13 13-0720	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,444.91	218.44
33 14 13 13-0721	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,844.77	238.59
33 14 13 13-0722	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,047.79	262.60
33 14 13 13-0723	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,099.47	268.02
33 14 13 13-0724	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,402.54	272.67
33 14 13 13-0725	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,568.82	278.09
33 14 13 13-0726	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,605.19	286.61
33 14 13 13-0727	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,562.18	298.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0728	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,543.60	318.37
33 14 13 13-0729	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,888.38	357.87
33 14 13 13-0730	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,703.41	341.60
33 14 13 13-0731	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,739.01	347.81
33 14 13 13-0732	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,806.47	351.68
33 14 13 13-0733	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,906.32	357.11
33 14 13 13-0734	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,436.45	365.63
33 14 13 13-0735	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,626.94	377.24
33 14 13 13-0736	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,683.32	397.38
33 14 13 13-0737	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,872.09	437.66
33 14 13 13-0738	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,519.79	477.17
33 14 13 13-0739	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,449.22	398.16
33 14 13 13-0740	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,144.22	403.58
33 14 13 13-0741	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,491.23	408.22
33 14 13 13-0742	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,839.56	413.65
33 14 13 13-0743	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,334.35	422.17
33 14 13 13-0744	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,868.63	561.60
33 14 13 13-0745	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,836.84	453.93
33 14 13 13-0746	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,833.89	493.43
33 14 13 13-0747	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,164.91	532.94
33 14 13 13-0748	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,734.90	561.60
33 14 13 13-0749	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,661.96	447.73
33 14 13 13-0750	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,447.02	452.38
33 14 13 13-0751	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,871.40	457.81
33 14 13 13-0752	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,172.33	466.33
33 14 13 13-0753	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,475.26	477.94
33 14 13 13-0754	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,058.25	498.08
33 14 13 13-0755	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,672.21	537.59
33 14 13 13-0756	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,714.41	577.09
33 14 13 13-0757	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,093.73	627.44
33 14 13 13-0758	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,924.36	627.44
33 14 13 13-0759	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,821.59	482.59
33 14 13 13-0760	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,139.66	490.34
33 14 13 13-0761	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,744.97	502.73
33 14 13 13-0762	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,219.42	522.87
33 14 13 13-0763	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,279.65	562.37
33 14 13 13-0764	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,794.57	601.88
33 14 13 13-0765	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,097.51	630.54
33 14 13 13-0766	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,164.45	652.23
33 14 13 13-0767	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	22,305.58	664.63
33 14 13 13-0768	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,445.18	521.32
33 14 13 13-0769	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,776.10	529.84
33 14 13 13-0770	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	19,246.12	542.24
33 14 13 13-0771	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	19,725.23	561.60
33 14 13 13-0772	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,237.44	601.88
33 14 13 13-0773	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,357.46	641.39
33 14 13 13-0774	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,855.68	669.27
33 14 13 13-0775	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,597.43	691.74
33 14 13 13-0776	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	22,045.93	704.13
33 14 13 13-0777	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,342.70	723.50

33 14 13 13-0778 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0596)*

33 14 13 13-0779	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	378.90	49.31
33 14 13 13-0780	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	416.38	49.31
33 14 13 13-0781	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	487.79	51.61
33 14 13 13-0782	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	539.32	65.43
33 14 13 13-0783	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	601.25	67.99
33 14 13 13-0784	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	734.56	76.19
33 14 13 13-0785	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	962.53	78.65
33 14 13 13-0786	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	889.14	86.84
33 14 13 13-0787	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	999.07	92.57
33 14 13 13-0788	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,409.03	84.43
33 14 13 13-0789	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,467.78	92.18
33 14 13 13-0790	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,641.54	97.60
33 14 13 13-0791	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,791.48	102.25
33 14 13 13-0792	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,719.06	94.51
33 14 13 13-0793	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,949.16	102.25
33 14 13 13-0794	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,306.08	107.67
33 14 13 13-0795	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,308.21	112.32
33 14 13 13-0796	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,130.67	117.74
33 14 13 13-0797	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,531.74	119.29
33 14 13 13-0798	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,910.08	124.71
33 14 13 13-0799	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,833.30	129.37
33 14 13 13-0800	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,110.94	134.78
33 14 13 13-0801	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,005.96	143.31
33 14 13 13-0802	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,636.37	143.31
33 14 13 13-0803	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,911.88	147.95
33 14 13 13-0804	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,455.95	153.38
33 14 13 13-0805	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,565.45	158.02
33 14 13 13-0806	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,415.82	166.54
33 14 13 13-0807	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,176.80	178.94
33 14 13 13-0808	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,735.96	183.58
33 14 13 13-0809	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,029.68	188.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0810	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,313.49	192.88
33 14 13 13-0811	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,621.13	198.30
33 14 13 13-0812	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,668.23	206.82
33 14 13 13-0813	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,721.59	218.44
33 14 13 13-0814	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,279.61	238.59
33 14 13 13-0815	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,399.45	262.60
33 14 13 13-0816	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,496.10	268.02
33 14 13 13-0817	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,953.41	272.67
33 14 13 13-0818	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,406.72	278.09
33 14 13 13-0819	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,457.02	286.61
33 14 13 13-0820	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,515.76	298.23
33 14 13 13-0821	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,409.36	318.37
33 14 13 13-0822	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,032.60	357.87
33 14 13 13-0823	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,332.46	341.60
33 14 13 13-0824	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,401.26	347.03
33 14 13 13-0825	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,038.52	351.68
33 14 13 13-0826	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,327.94	357.11
33 14 13 13-0827	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,337.90	365.63
33 14 13 13-0828	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,173.15	377.24
33 14 13 13-0829	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,162.06	397.38
33 14 13 13-0830	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,066.28	437.66
33 14 13 13-0831	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,870.00	477.17
33 14 13 13-0832	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,223.91	398.16
33 14 13 13-0833	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,613.30	403.58
33 14 13 13-0834	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,358.74	408.22
33 14 13 13-0835	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,105.50	413.65
33 14 13 13-0836	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,163.65	422.17
33 14 13 13-0837	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,300.93	433.78
33 14 13 13-0838	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,706.12	453.93
33 14 13 13-0839	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,290.10	493.43
33 14 13 13-0840	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,105.24	532.94
33 14 13 13-0841	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,634.52	561.60
33 14 13 13-0842	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,653.54	457.81
33 14 13 13-0843	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,509.27	466.33
33 14 13 13-0844	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,359.50	477.94
33 14 13 13-0845	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,001.75	498.08
33 14 13 13-0846	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,680.33	537.59
33 14 13 13-0847	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,608.63	577.09
33 14 13 13-0848	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	33,197.50	605.76
33 14 13 13-0849	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,686.08	627.44
33 14 13 13-0850	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,914.35	562.37
33 14 13 13-0851	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,768.05	601.88
33 14 13 13-0852	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,216.28	630.54
33 14 13 13-0853	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,751.61	652.23
33 14 13 13-0854	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,677.78	664.63
33 14 13 13-0855	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,410.51	601.88
33 14 13 13-0856	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,001.06	641.39
33 14 13 13-0857	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,576.74	669.27
33 14 13 13-0858	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	47,445.17	691.74
33 14 13 13-0859	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,177.80	704.13
33 14 13 13-0860	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,298.56	723.50

33 14 13 13-0861 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0596)*

33 14 13 13-0862	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	672.44	76.19
33 14 13 13-0863	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	835.58	86.84
33 14 13 13-0864	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,195.74	92.18
33 14 13 13-0865	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,376.16	102.25
33 14 13 13-0866	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,819.50	119.29
33 14 13 13-0867	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,216.52	143.31
33 14 13 13-0868	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,616.72	183.58
33 14 13 13-0869	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,517.98	262.60
33 14 13 13-0870	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,105.97	341.60
33 14 13 13-0871	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,454.92	398.16

33 14 13 13-0872 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0596)*

33 14 13 13-0873	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	377.24	58.83
33 14 13 13-0874	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	470.79	64.01
33 14 13 13-0875	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	587.78	64.72
33 14 13 13-0876	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	623.89	80.24
33 14 13 13-0877	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	729.79	86.84
33 14 13 13-0878	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	806.47	108.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0879	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	775.29	95.03
33 14 13 13-0880	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	914.10	116.34
33 14 13 13-0881	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	904.98	124.52
33 14 13 13-0882	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	910.22	99.15
33 14 13 13-0883	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,020.47	119.29
33 14 13 13-0884	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,212.03	127.04
33 14 13 13-0885	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,312.98	136.34
33 14 13 13-0886	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,169.45	107.67
33 14 13 13-0887	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,353.60	127.81
33 14 13 13-0888	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,469.12	135.56
33 14 13 13-0889	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,713.59	144.86
33 14 13 13-0890	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,956.75	153.38
33 14 13 13-0891	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,023.08	140.20
33 14 13 13-0892	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,398.85	147.95
33 14 13 13-0893	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,456.97	158.02
33 14 13 13-0894	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,593.03	165.77
33 14 13 13-0895	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,873.73	178.94
33 14 13 13-0896	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,264.38	158.80
33 14 13 13-0897	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,590.89	165.77
33 14 13 13-0898	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,124.56	175.84
33 14 13 13-0899	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,494.10	184.36
33 14 13 13-0900	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,244.98	196.76
33 14 13 13-0901	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,430.59	214.57
33 14 13 13-0902	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,910.46	187.46
33 14 13 13-0903	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,137.37	195.21
33 14 13 13-0904	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,331.51	204.50
33 14 13 13-0905	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,705.34	213.02
33 14 13 13-0906	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,512.98	225.41
33 14 13 13-0907	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,864.61	243.23
33 14 13 13-0908	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,123.70	272.67
33 14 13 13-0909	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,916.73	235.49
33 14 13 13-0910	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,145.78	242.46
33 14 13 13-0911	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,302.43	252.53
33 14 13 13-0912	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,673.06	261.05
33 14 13 13-0913	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,765.24	273.44
33 14 13 13-0914	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,013.31	291.25
33 14 13 13-0915	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,272.41	319.92
33 14 13 13-0916	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,848.12	367.94
33 14 13 13-0917	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,730.49	294.36
33 14 13 13-0918	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,886.94	302.10
33 14 13 13-0919	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,151.54	311.40
33 14 13 13-0920	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,379.72	319.92
33 14 13 13-0921	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,506.17	332.31
33 14 13 13-0922	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,786.03	350.13
33 14 13 13-0923	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,379.99	379.57
33 14 13 13-0924	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,918.21	426.81
33 14 13 13-0925	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,014.38	485.69
33 14 13 13-0926	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,443.96	391.18
33 14 13 13-0927	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,650.95	400.48
33 14 13 13-0928	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,854.50	409.00
33 14 13 13-0929	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,094.47	421.40
33 14 13 13-0930	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,368.98	439.99
33 14 13 13-0931	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,686.99	468.64
33 14 13 13-0932	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,087.05	515.90
33 14 13 13-0933	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,583.42	575.55
33 14 13 13-0934	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,917.53	664.63
33 14 13 13-0935	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,638.75	423.72
33 14 13 13-0936	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,843.60	433.01
33 14 13 13-0937	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,020.35	441.53
33 14 13 13-0938	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,230.36	454.70
33 14 13 13-0939	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,475.95	472.52
33 14 13 13-0940	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,765.02	501.18
33 14 13 13-0941	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,138.30	549.21
33 14 13 13-0942	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,800.70	608.08
33 14 13 13-0943	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,692.82	697.16
33 14 13 13-0944	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,952.23	730.47
33 14 13 13-0945	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,703.93	460.90
33 14 13 13-0946	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,114.21	473.30
33 14 13 13-0947	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,352.31	491.88
33 14 13 13-0948	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,682.08	520.55
33 14 13 13-0949	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,277.06	568.57
33 14 13 13-0950	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,537.10	627.44
33 14 13 13-0951	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,401.02	716.53
33 14 13 13-0952	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,885.32	749.06
33 14 13 13-0953	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,470.74	768.43
33 14 13 13-0954	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,685.90	536.81
33 14 13 13-0955	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,861.64	549.21
33 14 13 13-0956	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,096.52	567.03
33 14 13 13-0957	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,349.17	595.68
33 14 13 13-0958	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,683.90	643.71
33 14 13 13-0959	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,268.11	702.58
33 14 13 13-0960	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,892.14	791.67
33 14 13 13-0961	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,703.47	824.97
33 14 13 13-0962	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,305.60	844.34
33 14 13 13-0963	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	50,369.72	919.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0964		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0596)*		
33 14 13 13-0965	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	268.06	32.01
33 14 13 13-0966	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	374.60	40.12
33 14 13 13-0967	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	411.74	42.60
33 14 13 13-0968	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	539.97	48.33
33 14 13 13-0969	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	561.82	56.53
33 14 13 13-0970	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	660.16	50.35
33 14 13 13-0971	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	691.04	58.10
33 14 13 13-0972	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	719.14	63.51
33 14 13 13-0973	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	763.21	55.77
33 14 13 13-0974	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	844.45	63.51
33 14 13 13-0975	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	858.62	68.17
33 14 13 13-0976	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	897.17	73.59
33 14 13 13-0977	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,319.96	72.04
33 14 13 13-0978	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,327.72	76.69
33 14 13 13-0979	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,156.32	82.11
33 14 13 13-0980	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,180.15	86.76
33 14 13 13-0981	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,582.18	83.66
33 14 13 13-0982	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,535.32	89.08
33 14 13 13-0983	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,442.12	93.73
33 14 13 13-0984	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,425.23	98.37
33 14 13 13-0985	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,611.57	106.90
33 14 13 13-0986	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,720.96	108.45
33 14 13 13-0987	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,940.51	113.86
33 14 13 13-0988	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,854.01	118.52
33 14 13 13-0989	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,215.98	127.04
33 14 13 13-0990	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,941.62	139.43
33 14 13 13-0991	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,292.08	148.72
33 14 13 13-0992	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,310.28	153.38
33 14 13 13-0993	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,099.53	158.80
33 14 13 13-0994	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,098.42	167.32
33 14 13 13-0995	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,047.91	178.94
33 14 13 13-0996	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,422.06	199.07
33 14 13 13-0997	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,887.89	198.30
33 14 13 13-0998	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,930.69	206.82
33 14 13 13-0999	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,983.01	218.44
33 14 13 13-1000	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,938.36	238.59
33 14 13 13-1001	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,389.53	278.09
33 14 13 13-1002	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,264.15	246.33
33 14 13 13-1003	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,488.35	266.47
33 14 13 13-1004	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,289.40	306.76
33 14 13 13-1005	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,486.18	346.26
33 14 13 13-1006	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,943.29	328.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1007	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,456.03	367.94
33 14 13 13-1008	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,892.85	396.61
33 14 13 13-1009	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,265.51	281.19
33 14 13 13-1010	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,205.88	301.33
33 14 13 13-1011	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,232.91	340.83
33 14 13 13-1012	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,634.63	380.34
33 14 13 13-1013	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,693.74	409.00
33 14 13 13-1014	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,097.72	430.69
33 14 13 13-1015	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,935.38	300.55
33 14 13 13-1016	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,518.03	320.70
33 14 13 13-1017	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,890.66	360.20
33 14 13 13-1018	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,238.82	400.48
33 14 13 13-1019	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,664.56	428.37
33 14 13 13-1020	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,684.41	450.05
33 14 13 13-1021	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,949.77	462.45

33 14 13 13-1022 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0596)*

33 14 13 13-1023	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	249.14	67.59
33 14 13 13-1024	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	300.09	79.47
33 14 13 13-1025	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	437.24	99.12
33 14 13 13-1026	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	584.00	113.05
33 14 13 13-1027	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	777.66	170.42
33 14 13 13-1028	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	977.86	185.91
33 14 13 13-1029	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,110.99	204.50
33 14 13 13-1030	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,349.98	226.96
33 14 13 13-1031	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,580.45	255.63
33 14 13 13-1032	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,904.61	292.03
33 14 13 13-1033	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,438.93	340.83
33 14 13 13-1034	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,405.83	409.00
33 14 13 13-1035	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,207.29	511.25
33 14 13 13-1036	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	10,376.11	613.50
33 14 13 13-1037	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,350.50	681.67

33 14 13 13-1038 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0596)*

33 14 13 13-1039	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	250.21	67.59
33 14 13 13-1040	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	310.81	79.47
33 14 13 13-1041	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	465.09	99.12
33 14 13 13-1042	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	611.85	113.05
33 14 13 13-1043	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	937.25	170.42
33 14 13 13-1044	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,014.27	185.91
33 14 13 13-1045	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,343.40	204.50
33 14 13 13-1046	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,618.81	226.96
33 14 13 13-1047	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,924.25	255.63
33 14 13 13-1048	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,369.44	292.03
33 14 13 13-1049	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,100.83	340.83
33 14 13 13-1050	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,320.49	409.00
33 14 13 13-1051	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	7,776.01	511.25
33 14 13 13-1052	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	10,447.87	613.50
33 14 13 13-1053	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,872.45	681.67

33 14 13 13-1054 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0596)*

33 14 13 13-1055	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	340.95	102.73
33 14 13 13-1056	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	449.07	118.79
33 14 13 13-1057	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	616.23	149.11
33 14 13 13-1058	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	806.91	169.58
33 14 13 13-1059	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,188.45	255.63
33 14 13 13-1060	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,416.45	278.87
33 14 13 13-1061	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,846.42	306.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1062	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,095.12	340.83
33 14 13 13-1063	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,742.33	383.43
33 14 13 13-1064	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,179.83	438.44
33 14 13 13-1065	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,847.43	511.25
33 14 13 13-1066	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,033.05	613.50
33 14 13 13-1067	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,199.74	766.88
33 14 13 13-1068	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,139.73	876.10
33 14 13 13-1069	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,838.36	1,022.50

33 14 13 13-1070 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0596)*

33 14 13 13-1071	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	353.80	102.73
33 14 13 13-1072	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	433.01	118.79
33 14 13 13-1073	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	634.44	149.11
33 14 13 13-1074	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	856.18	169.58
33 14 13 13-1075	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,119.90	255.63
33 14 13 13-1076	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,352.18	278.87
33 14 13 13-1077	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,709.33	306.76
33 14 13 13-1078	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,022.29	340.83
33 14 13 13-1079	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,412.45	383.43
33 14 13 13-1080	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,808.18	438.44
33 14 13 13-1081	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,506.84	511.25
33 14 13 13-1082	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,856.32	613.50
33 14 13 13-1083	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	7,609.60	766.88
33 14 13 13-1084	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	9,893.66	875.32
33 14 13 13-1085	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	14,668.42	1,022.50

33 14 13 13-1086 Push-On Joint Ductile Iron Piping *(33 14 13 13-0001)*

33 14 13 13-1087 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1086)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1088	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	22.89	6.76
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*8.86*	
		For Cement Mortar Lining (CML), Add	*1.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*6.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*0.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.14*	
		For Class 51, Add	*1.22*	
		For Class 52, Add	*2.72*	
		For Class 53, Add	*7.16*	
		For Class 54, Add	*10.21*	
		For Class 55, Add	*11.75*	
		For Class 56, Add	*13.27*	
33 14 13 13-1089	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	25.11	7.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*9.72*	
		For Cement Mortar Lining (CML), Add	*1.39*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*7.50*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.04*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.26*	
		For Class 51, Add	*1.34*	
		For Class 52, Add	*2.99*	
		For Class 53, Add	*7.86*	
		For Class 54, Add	*11.21*	
		For Class 55, Add	*12.90*	
		For Class 56, Add	*14.57*	
33 14 13 13-1090	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	31.27	8.20
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*13.29*	
		For Cement Mortar Lining (CML), Add	*1.90*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*10.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.42*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.56*	
		For Class 51, Add	*1.79*	
		For Class 52, Add	*4.01*	
		For Class 53, Add	*10.63*	
		For Class 54, Add	*15.16*	
		For Class 55, Add	*17.44*	
		For Class 56, Add	*19.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1091	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	44.20	11.54
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.07*	
		For Cement Mortar Lining (CML), Add	*2.68*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.39*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.01*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.21*	
		For Class 51, Add	*2.53*	
		For Class 52, Add	*5.66*	
		For Class 53, Add	*15.00*	
		For Class 54, Add	*21.40*	
		For Class 55, Add	*24.61*	
		For Class 56, Add	*27.78*	
33 14 13 13-1092	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	51.29	12.78
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.96*	
		For Cement Mortar Lining (CML), Add	*3.19*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.77*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.39*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.56*	
		For Class 51, Add	*3.00*	
		For Class 52, Add	*6.71*	
		For Class 53, Add	*17.83*	
		For Class 54, Add	*25.43*	
		For Class 55, Add	*29.25*	
		For Class 56, Add	*33.01*	
33 14 13 13-1093	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	62.46	14.40
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.90*	
		For Cement Mortar Lining (CML), Add	*4.07*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.05*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.12*	
		For Class 51, Add	*3.78*	
		For Class 52, Add	*8.48*	
		For Class 53, Add	*22.62*	
		For Class 54, Add	*32.27*	
		For Class 55, Add	*37.11*	
		For Class 56, Add	*41.85*	
33 14 13 13-1094	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	74.00	16.42
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*20.14*	
		For Cement Mortar Lining (CML), Add	*4.91*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*15.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.68*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.70*	
		For Class 51, Add	*4.55*	
		For Class 52, Add	*10.21*	
		For Class 53, Add	*27.26*	
		For Class 54, Add	*38.90*	
		For Class 55, Add	*44.72*	
		For Class 56, Add	*50.43*	
33 14 13 13-1095	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	86.11	19.21
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.39*	
		For Cement Mortar Lining (CML), Add	*5.71*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.69*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.28*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.31*	
		For Class 51, Add	*5.29*	
		For Class 52, Add	*11.86*	
		For Class 53, Add	*31.67*	
		For Class 54, Add	*45.18*	
		For Class 55, Add	*51.94*	
		For Class 56, Add	*58.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1096	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	99.40	23.00
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.53*	
		For Cement Mortar Lining (CML), Add	*6.45*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.07*	
		For Fusion Bonded Epoxy Lining (206N), Add	*11.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.84*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.97*	
		For Class 51, Add	*6.01*	
		For Class 52, Add	*13.46*	
		For Class 53, Add	*35.89*	
		For Class 54, Add	*51.21*	
		For Class 55, Add	*58.88*	
		For Class 56, Add	*66.41*	
33 14 13 13-1097	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	125.73	28.74
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*25.46*	
		For Cement Mortar Lining (CML), Add	*8.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.16*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.29*	
		For Class 51, Add	*7.63*	
		For Class 52, Add	*17.11*	
		For Class 53, Add	*45.64*	
		For Class 54, Add	*65.12*	
		For Class 55, Add	*74.87*	
		For Class 56, Add	*84.45*	

33 14 13 13-1098 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1086)*

33 14 13 13-1099	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	148.80	26.38
		For Cement Mortar Lining (CML), Add	*10.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1100	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	215.85	38.91
		For Cement Mortar Lining (CML), Add	*15.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1101	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	287.63	46.21
		For Cement Mortar Lining (CML), Add	*21.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1102	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	434.36	50.97
		For Cement Mortar Lining (CML), Add	*32.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1103	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	558.79	59.80
		For Cement Mortar Lining (CML), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1104	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,093.14	67.08
		For Cement Mortar Lining (CML), Add	*95.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1105	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	1,235.97	76.69
		For Cement Mortar Lining (CML), Add	*107.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*193.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1106	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	1,922.24	107.36
		For Cement Mortar Lining (CML), Add	*170.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*306.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.53*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1107	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	2,164.72	135.33
		For Cement Mortar Lining (CML), Add	*189.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	2,703.03	169.18
		For Cement Mortar Lining (CML), Add	*236.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*425.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109		Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1086)*		
33 14 13 13-1110	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	124.05	26.38
		For Cement Mortar Lining (CML), Add	*8.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1111	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	182.58	38.91
		For Cement Mortar Lining (CML), Add	*12.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1112	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	251.83	46.21
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1113	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	384.94	50.97
		For Cement Mortar Lining (CML), Add	*27.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1114	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	495.81	59.80
		For Cement Mortar Lining (CML), Add	*37.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1115	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	699.89	67.08
		For Cement Mortar Lining (CML), Add	*56.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1116	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,030.05	76.69
		For Cement Mortar Lining (CML), Add	*87.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*156.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1117	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	1,189.70	107.36
		For Cement Mortar Lining (CML), Add	*96.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*174.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1118	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	1,663.18	135.33
		For Cement Mortar Lining (CML), Add	*139.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*250.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*104.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1119	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	2,064.24	169.18
		For Cement Mortar Lining (CML), Add	*172.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1120		Push-On Joint Ductile Iron Tee *(33 14 13 13-1086)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1121	EA	4" Tee, Push-On Joint Ductile Iron	227.25	38.91
		For Cement Mortar Lining (CML), Add	*16.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1122	EA	6" Tee, Push-On Joint Ductile Iron	316.92	57.18
		For Cement Mortar Lining (CML), Add	*23.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1123	EA	8" Tee, Push-On Joint Ductile Iron	431.52	69.31
		For Cement Mortar Lining (CML), Add	*32.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1124	EA	10" Tee, Push-On Joint Ductile Iron	629.81	77.46
		For Cement Mortar Lining (CML), Add	*51.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125	EA	12" Tee, Push-On Joint Ductile Iron	783.28	89.31
		For Cement Mortar Lining (CML), Add	*64.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1126	EA	14" Tee, Push-On Joint Ductile Iron	1,255.26	107.36
		For Cement Mortar Lining (CML), Add	*109.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127	EA	16" Tee, Push-On Joint Ductile Iron	1,810.83	134.24
		For Cement Mortar Lining (CML), Add	*160.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128	EA	18" Tee, Push-On Joint Ductile Iron	2,277.79	179.09
		For Cement Mortar Lining (CML), Add	*200.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129	EA	20" Tee, Push-On Joint Ductile Iron	2,685.44	218.52
		For Cement Mortar Lining (CML), Add	*235.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130	EA	24" Tee, Push-On Joint Ductile Iron	3,515.06	273.13
		For Cement Mortar Lining (CML), Add	*310.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*558.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.59*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1131 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1086)*

33 14 13 13-1132	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	275.78	91.51
		For Cement Mortar Lining (CML), Add	*13.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	337.88	113.30
		For Cement Mortar Lining (CML), Add	*16.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.47*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1134	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	439.22	132.14
		For Cement Mortar Lining (CML), Add	*23.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1135	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	602.17	191.72
		For Cement Mortar Lining (CML), Add	*31.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1136	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	726.79	219.14
		For Cement Mortar Lining (CML), Add	*39.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1137	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	835.44	235.95
		For Cement Mortar Lining (CML), Add	*47.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1138	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	989.90	255.63
		For Cement Mortar Lining (CML), Add	*60.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*108.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1139	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,171.27	306.76
		For Cement Mortar Lining (CML), Add	*70.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*127.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1140	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	1,357.96	340.83
		For Cement Mortar Lining (CML), Add	*84.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1141	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	1,697.16	393.27
		For Cement Mortar Lining (CML), Add	*110.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1142	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	2,691.53	471.90
		For Cement Mortar Lining (CML), Add	*197.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1143	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	3,713.93	589.87
		For Cement Mortar Lining (CML), Add	*282.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*507.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1144	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	4,684.54	681.67
		For Cement Mortar Lining (CML), Add	*365.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*657.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*273.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1145	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	5,979.94	876.41
		For Cement Mortar Lining (CML), Add	*465.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*837.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*348.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1146	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	7,258.91	1,022.73
		For Cement Mortar Lining (CML), Add	*570.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,027.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*428.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1147		**Push-On Joint Ductile Iron Pipe And Fitting Restraints** *(33 14 13 13-1086)*		
		Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1148	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	31.49	14.24
33 14 13 13-1149	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	41.64	18.58
33 14 13 13-1150	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	54.29	18.95
33 14 13 13-1151	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	63.52	20.14
33 14 13 13-1152	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	75.08	22.36
33 14 13 13-1153	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	93.85	25.16
33 14 13 13-1154	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	110.44	28.75
33 14 13 13-1155	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	124.10	31.16
33 14 13 13-1156	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	145.02	37.38
33 14 13 13-1157	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	172.46	38.82
33 14 13 13-1158	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	219.25	43.14
33 14 13 13-1159	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	283.34	46.73
33 14 13 13-1160	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	347.98	51.13
33 14 13 13-1161	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	409.78	57.52
33 14 13 13-1162	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	561.38	62.37
33 14 13 13-1163		**Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)** *(33 14 13 13-1086)*		
33 14 13 13-1164	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	165.24	52.28
33 14 13 13-1165	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	217.80	63.83
33 14 13 13-1166	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	280.28	77.85
33 14 13 13-1167	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	421.56	94.97
33 14 13 13-1168	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	522.81	115.81
33 14 13 13-1169	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	899.17	141.29
33 14 13 13-1170	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,026.95	172.43
33 14 13 13-1171	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,166.34	210.31
33 14 13 13-1172	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	1,584.38	256.64
33 14 13 13-1173	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,020.29	313.02
33 14 13 13-1174	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	3,481.19	381.96
33 14 13 13-1175	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	4,936.56	465.93
33 14 13 13-1176	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	8,957.20	568.50
33 14 13 13-1177	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	11,586.33	693.52
33 14 13 13-1178		**Ductile Iron Pipe Repair** *(33 14 13 13-0001)*		
		See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1179		**WEKO Seals** *(33 14 13 13-1178)*		
		Note: Internal joint seal.		
33 14 13 13-1180	EA	16" WEKO Internal Joint Seal	1,256.55	134.77
		For Extra Wide Seals, Add	*80.21*	
33 14 13 13-1181	EA	18" WEKO Internal Joint Seal	1,338.68	142.32
		For Extra Wide Seals, Add	*80.78*	
33 14 13 13-1182	EA	20" WEKO Internal Joint Seal	1,420.70	149.85
		For Extra Wide Seals, Add	*81.35*	
33 14 13 13-1183	EA	24" WEKO Internal Joint Seal	1,505.19	161.84
		For Extra Wide Seals, Add	*82.26*	
33 14 13 13-1184	EA	30" WEKO Internal Joint Seal	1,553.81	173.83
		For Extra Wide Seals, Add	*83.17*	
33 14 13 13-1185	EA	36" WEKO Internal Joint Seal	1,630.28	188.81
		For Extra Wide Seals, Add	*84.30*	
33 14 13 13-1186	EA	42" WEKO Internal Joint Seal	1,738.18	206.79
		For Extra Wide Seals, Add	*85.67*	
33 14 13 13-1187	EA	48" WEKO Internal Joint Seal	1,877.37	221.78
		For Extra Wide Seals, Add	*86.80*	
33 14 13 13-1188	EA	54" WEKO Internal Joint Seal	1,947.52	233.76
		For Extra Wide Seals, Add	*87.71*	
33 14 13 23		**Plastic Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 23-0001		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	7.71	2.81
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.08	3.40
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	15.03	3.82
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	19.63	4.25
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	25.27	4.76
33 14 13 23-0008		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	8.46	2.81
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.64	3.40
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	17.66	3.82
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	23.72	4.25
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	30.98	4.76
33 14 13 23-0014		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	9.21	2.81
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	14.19	3.40
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	20.29	3.82
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	27.72	4.25
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	36.69	4.76
33 14 13 23-0020		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	31.84	7.14
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	38.65	8.50
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	50.97	10.20
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	71.58	11.90
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	96.76	13.60
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	120.58	14.46
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	150.69	15.55
33 14 13 23-0028		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	23.52	5.36
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	28.99	5.95
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	35.79	7.14
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	43.78	8.50
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	58.89	10.20
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	82.94	11.90
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	111.97	13.60
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	145.88	14.46
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	183.52	15.55
33 14 13 23-0038		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	26.56	5.36
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	33.21	5.95
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	41.04	7.14
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	50.59	8.50
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	68.67	10.20
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	97.63	11.90
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	133.40	13.60
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	171.27	14.46
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	216.65	15.55
33 14 13 23-0048		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	31.76	5.36
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	39.39	5.95
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	48.99	7.14
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	60.20	8.50
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	82.52	10.20
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	119.36	11.90
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	166.83	13.60
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	220.29	14.46
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	282.44	15.55
33 14 13 23-0058		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	35.67	5.36
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	44.48	5.95
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	55.41	7.14
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	68.19	8.50
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	94.01	10.20
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	137.05	11.90
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	192.66	13.60
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	255.69	14.46
33 14 13 23-0067		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	39.48	5.36
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	49.42	5.95
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	61.64	7.14
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	75.96	8.50
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.19	10.20
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	154.25	11.90
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	217.79	13.60
33 14 13 23-0075		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		**90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0075)*		
33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	174.98	8.78
		For DR 25, Deduct	*-9.44*	
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	363.37	9.89
		For DR 25, Deduct	*-20.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	548.26	10.98
		For DR 25, Deduct	*-31.58*	
33 14 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	836.31	17.18
		For DR 25, Deduct	*-48.12*	
33 14 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	932.11	28.64
		For DR 25, Deduct	*-52.49*	
33 14 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,632.98	35.80
		For DR 25, Deduct	*-93.68*	
33 14 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,948.59	42.96
		For DR 25, Deduct	*-111.76*	
33 14 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,354.81	57.28
		For DR 25, Deduct	*-194.41*	
33 14 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,129.16	71.60
		For DR 25, Deduct	*-239.16*	
33 14 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,869.31	96.66
		For DR 25, Deduct	*-400.56*	

33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	154.43	8.78
		For DR 25, Deduct	*-8.21*	
33 14 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	270.16	9.89
		For DR 25, Deduct	*-15.02*	
33 14 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	343.33	10.98
		For DR 25, Deduct	*-19.28*	
33 14 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	483.88	17.18
		For DR 25, Deduct	*-26.97*	
33 14 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	643.13	28.64
		For DR 25, Deduct	*-35.15*	
33 14 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,249.35	35.80
		For DR 25, Deduct	*-70.66*	
33 14 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,585.17	42.96
		For DR 25, Deduct	*-89.95*	
33 14 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,747.19	57.28
		For DR 25, Deduct	*-157.96*	
33 14 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,411.83	71.60
		For DR 25, Deduct	*-196.12*	
33 14 13 23-0097	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,817.72	96.66
		For DR 25, Deduct	*-277.46*	

33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0099	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	151.93	8.78
		For DR 25, Deduct	*-8.06*	
33 14 13 23-0100	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	270.16	9.89
		For DR 25, Deduct	*-15.02*	
33 14 13 23-0101	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	343.33	10.98
		For DR 25, Deduct	*-19.28*	
33 14 13 23-0102	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	483.89	17.18
		For DR 25, Deduct	*-26.97*	
33 14 13 23-0103	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	643.13	28.64
		For DR 25, Deduct	*-35.15*	
33 14 13 23-0104	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,246.48	34.37
		For DR 25, Deduct	*-70.66*	
33 14 13 23-0105	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,585.15	42.96
		For DR 25, Deduct	*-89.95*	
33 14 13 23-0106	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,747.19	57.28
		For DR 25, Deduct	*-157.96*	
33 14 13 23-0107	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,411.83	71.60
		For DR 25, Deduct	*-196.12*	
33 14 13 23-0108	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,817.72	96.66
		For DR 25, Deduct	*-277.46*	

33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0110	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	133.53	8.78
		For DR 25, Deduct	*-6.96*	
33 14 13 23-0111	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	270.16	9.89
		For DR 25, Deduct	*-15.02*	
33 14 13 23-0112	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	343.33	10.98
		For DR 25, Deduct	*-19.28*	
33 14 13 23-0113	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	483.89	17.18
		For DR 25, Deduct	*-26.97*	
33 14 13 23-0114	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	643.13	28.64
		For DR 25, Deduct	*-35.15*	
33 14 13 23-0115	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,246.48	34.37
		For DR 25, Deduct	*-70.66*	
33 14 13 23-0116	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,585.15	42.96
		For DR 25, Deduct	*-89.95*	
33 14 13 23-0117	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,747.19	57.28
		For DR 25, Deduct	*-157.96*	
33 14 13 23-0118	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,411.83	71.60
		For DR 25, Deduct	*-196.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0119	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,817.72	96.66
		For DR 25, Deduct	*-277.46*	

33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)

(33 14 13 23-0075)

33 14 13 23-0121	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	208.31	9.89
		For DR 25, Deduct	*-11.31*	
33 14 13 23-0122	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	407.42	10.98
		For DR 25, Deduct	*-23.13*	
33 14 13 23-0123	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	570.35	12.45
		For DR 25, Deduct	*-32.73*	
33 14 13 23-0124	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,177.74	21.48
		For DR 25, Deduct	*-68.09*	
33 14 13 23-0125	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,426.32	42.96
		For DR 25, Deduct	*-80.43*	
33 14 13 23-0126	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,591.94	53.70
		For DR 25, Deduct	*-149.07*	
33 14 13 23-0127	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,211.73	64.45
		For DR 25, Deduct	*-184.97*	
33 14 13 23-0128	EA	18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,049.39	85.92
		For DR 25, Deduct	*-232.65*	
33 14 13 23-0129	EA	20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,859.98	107.40
		For DR 25, Deduct	*-278.71*	
33 14 13 23-0130	EA	24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,717.42	73.04
		For DR 25, Deduct	*-394.28*	

33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0132	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	403.58	14.27
		For DR 25, Deduct	*-22.50*	
33 14 13 23-0133	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	551.50	15.38
		For DR 25, Deduct	*-31.25*	
33 14 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	565.20	15.92
		For DR 25, Deduct	*-32.00*	
33 14 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,708.70	21.48
		For DR 25, Deduct	*-339.94*	
33 14 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	996.20	22.02
		For DR 25, Deduct	*-57.13*	
33 14 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,066.39	22.55
		For DR 25, Deduct	*-61.28*	
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,124.52	32.94
		For DR 25, Deduct	*-63.52*	
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,293.75	33.47
		For DR 25, Deduct	*-73.61*	
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,373.52	34.01
		For DR 25, Deduct	*-78.33*	
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,397.68	37.23
		For DR 25, Deduct	*-79.39*	
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,134.59	38.66
		For DR 25, Deduct	*-123.44*	
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,221.13	39.20
		For DR 25, Deduct	*-128.56*	
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,307.89	39.74
		For DR 25, Deduct	*-133.70*	
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,399.51	42.96
		For DR 25, Deduct	*-138.82*	
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,496.49	48.69
		For DR 25, Deduct	*-143.95*	
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,664.57	47.25
		For DR 25, Deduct	*-154.20*	
33 14 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,750.01	47.25
		For DR 25, Deduct	*-159.33*	
33 14 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,836.56	47.80
		For DR 25, Deduct	*-164.46*	
33 14 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,923.10	48.33
		For DR 25, Deduct	*-169.59*	
33 14 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,026.45	57.28
		For DR 25, Deduct	*-174.71*	
33 14 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,117.64	60.15
		For DR 25, Deduct	*-179.84*	
33 14 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,290.84	61.58
		For DR 25, Deduct	*-190.06*	
33 14 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,377.98	62.11
		For DR 25, Deduct	*-195.23*	
33 14 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,464.52	62.65
		For DR 25, Deduct	*-200.35*	
33 14 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,556.43	65.87
		For DR 25, Deduct	*-205.48*	
33 14 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,653.32	71.60
		For DR 25, Deduct	*-210.61*	
33 14 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,743.92	74.47
		For DR 25, Deduct	*-215.70*	
33 14 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,858.63	78.76
		For DR 25, Deduct	*-222.07*	
33 14 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,175.28	75.89
		For DR 25, Deduct	*-241.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0161	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,322.27	76.44
		For DR 25, Deduct	*-250.16*	
33 14 13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,379.93	76.97
		For DR 25, Deduct	*-253.56*	
33 14 13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,443.03	80.19
		For DR 25, Deduct	*-256.96*	
33 14 13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,511.09	85.92
		For DR 25, Deduct	*-260.35*	
33 14 13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,608.56	88.78
		For DR 25, Deduct	*-265.86*	
33 14 13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,708.93	93.09
		For DR 25, Deduct	*-271.37*	
33 14 13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,784.45	100.24
		For DR 25, Deduct	*-275.04*	
33 14 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,908.29	100.95
		For DR 25, Deduct	*-282.38*	
33 14 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,970.59	101.50
		For DR 25, Deduct	*-286.06*	
33 14 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,032.88	102.03
		For DR 25, Deduct	*-289.73*	
33 14 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,288.25	105.25
		For DR 25, Deduct	*-304.66*	
33 14 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,548.63	110.98
		For DR 25, Deduct	*-319.60*	
33 14 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,803.29	113.85
		For DR 25, Deduct	*-334.54*	
33 14 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,060.82	118.15
		For DR 25, Deduct	*-349.47*	
33 14 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,324.09	125.30
		For DR 25, Deduct	*-364.41*	
33 14 13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,587.33	132.46
		For DR 25, Deduct	*-379.34*	

33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	286.55	17.57
		For DR 25, Deduct	*-15.08*	
33 14 13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	522.02	19.76
		For DR 25, Deduct	*-28.95*	
33 14 13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	726.08	21.96
		For DR 25, Deduct	*-40.93*	
33 14 13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,486.63	34.37
		For DR 25, Deduct	*-85.07*	
33 14 13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,761.74	42.96
		For DR 25, Deduct	*-100.55*	
33 14 13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,220.40	57.28
		For DR 25, Deduct	*-186.35*	
33 14 13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,996.18	71.60
		For DR 25, Deduct	*-231.19*	
33 14 13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,076.77	114.57
		For DR 25, Deduct	*-290.86*	
33 14 13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,092.96	143.21
		For DR 25, Deduct	*-348.39*	
33 14 13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,600.35	193.33
		For DR 25, Deduct	*-492.82*	

33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	506.49	18.67
		For DR 25, Deduct	*-28.15*	
33 14 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	691.27	19.76
		For DR 25, Deduct	*-39.10*	
33 14 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	708.57	20.86
		For DR 25, Deduct	*-40.01*	
33 14 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,065.08	25.77
		For DR 25, Deduct	*-60.81*	
33 14 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,244.07	26.85
		For DR 25, Deduct	*-71.42*	
33 14 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,367.71	27.93
		For DR 25, Deduct	*-78.71*	
33 14 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,398.21	37.23
		For DR 25, Deduct	*-79.42*	
33 14 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,610.05	38.31
		For DR 25, Deduct	*-92.01*	
33 14 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,710.59	39.39
		For DR 25, Deduct	*-97.91*	
33 14 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,745.53	45.82
		For DR 25, Deduct	*-99.23*	
33 14 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,657.49	42.96
		For DR 25, Deduct	*-154.29*	
33 14 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,766.15	44.03
		For DR 25, Deduct	*-160.68*	
33 14 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,875.99	45.11
		For DR 25, Deduct	*-167.15*	
33 14 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,996.12	51.55
		For DR 25, Deduct	*-173.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,125.44	63.01
		For DR 25, Deduct	*-179.97*	
33 14 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,315.15	51.55
		For DR 25, Deduct	*-192.72*	
33 14 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,425.25	52.62
		For DR 25, Deduct	*-199.20*	
33 14 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,534.17	53.70
		For DR 25, Deduct	*-205.61*	
33 14 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,654.20	60.15
		For DR 25, Deduct	*-212.03*	
33 14 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,707.47	71.60
		For DR 25, Deduct	*-213.86*	
33 14 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,901.66	77.33
		For DR 25, Deduct	*-224.82*	
33 14 13 23-0210	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,091.89	65.87
		For DR 25, Deduct	*-237.61*	
33 14 13 23-0211	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,201.72	66.95
		For DR 25, Deduct	*-244.07*	
33 14 13 23-0212	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,310.81	68.02
		For DR 25, Deduct	*-250.49*	
33 14 13 23-0213	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,429.24	74.47
		For DR 25, Deduct	*-256.82*	
33 14 13 23-0214	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,559.86	85.92
		For DR 25, Deduct	*-263.28*	
33 14 13 23-0215	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,677.75	91.65
		For DR 25, Deduct	*-269.67*	
33 14 13 23-0216	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,827.38	100.24
		For DR 25, Deduct	*-277.61*	
33 14 13 23-0217	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,190.25	80.19
		For DR 25, Deduct	*-301.79*	
33 14 13 23-0218	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,374.50	81.27
		For DR 25, Deduct	*-312.72*	
33 14 13 23-0219	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,447.90	82.34
		For DR 25, Deduct	*-316.99*	
33 14 13 23-0220	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,531.27	88.78
		For DR 25, Deduct	*-321.22*	
33 14 13 23-0221	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,624.68	100.24
		For DR 25, Deduct	*-325.45*	
33 14 13 23-0222	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,750.05	105.97
		For DR 25, Deduct	*-332.29*	
33 14 13 23-0223	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,883.41	114.57
		For DR 25, Deduct	*-339.26*	
33 14 13 23-0224	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,988.34	128.88
		For DR 25, Deduct	*-343.83*	
33 14 13 23-0225	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,059.50	105.25
		For DR 25, Deduct	*-350.94*	
33 14 13 23-0226	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,172.52	106.33
		For DR 25, Deduct	*-357.59*	
33 14 13 23-0227	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,251.50	107.40
		For DR 25, Deduct	*-362.20*	
33 14 13 23-0228	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,575.20	113.85
		For DR 25, Deduct	*-380.85*	
33 14 13 23-0229	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,909.04	125.30
		For DR 25, Deduct	*-399.51*	
33 14 13 23-0230	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,231.34	131.03
		For DR 25, Deduct	*-418.16*	
33 14 13 23-0231	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,560.73	139.62
		For DR 25, Deduct	*-436.89*	
33 14 13 23-0232	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,899.55	153.94
		For DR 25, Deduct	*-455.50*	
33 14 13 23-0233	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,239.71	168.27
		For DR 25, Deduct	*-474.19*	

33 14 13 23-0234 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0235	EA	4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	102.34	8.78
		For DR 25, Deduct	*-5.09*	
33 14 13 23-0236	EA	6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	194.75	9.89
		For DR 25, Deduct	*-10.50*	
33 14 13 23-0237	EA	8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	234.97	10.98
		For DR 25, Deduct	*-12.78*	
33 14 13 23-0238	EA	10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	332.33	17.18
		For DR 25, Deduct	*-17.88*	
33 14 13 23-0239	EA	12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	532.55	21.48
		For DR 25, Deduct	*-29.37*	
33 14 13 23-0240	EA	14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	929.72	28.64
		For DR 25, Deduct	*-52.34*	
33 14 13 23-0241	EA	16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,100.11	35.80
		For DR 25, Deduct	*-61.71*	
33 14 13 23-0242	EA	18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,652.63	57.28
		For DR 25, Deduct	*-152.28*	
33 14 13 23-0243	EA	20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,968.86	71.60
		For DR 25, Deduct	*-169.54*	
33 14 13 23-0244	EA	24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,182.99	96.66
		For DR 25, Deduct	*-239.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0245		Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0246	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	128.16	8.78
		For DR 25, Deduct	*-6.64*	
33 14 13 23-0247	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	175.37	9.89
		For DR 25, Deduct	*-9.34*	
33 14 13 23-0248	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	257.04	10.98
		For DR 25, Deduct	*-14.10*	
33 14 13 23-0249	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	349.55	17.18
		For DR 25, Deduct	*-18.91*	
33 14 13 23-0250	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	559.42	28.64
		For DR 25, Deduct	*-30.13*	
33 14 13 23-0251	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,512.70	34.37
		For DR 25, Deduct	*-86.64*	
33 14 13 23-0252	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,050.05	42.96
		For DR 25, Deduct	*-117.85*	
33 14 13 23-0253	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,523.06	57.28
		For DR 25, Deduct	*-144.51*	
33 14 13 23-0254	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,012.26	71.60
		For DR 25, Deduct	*-172.14*	
33 14 13 23-0255	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,092.45	96.66
		For DR 25, Deduct	*-233.95*	
33 14 13 23-0256		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*		
33 14 13 23-0257		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0256)*		
33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.71	0.59
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.04*	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.88	0.63
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.22	0.69
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.58	0.76
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.39	0.85
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.19*	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.41	0.96
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.30*	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.51	1.12
		For >1,000, Deduct	*-0.28*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.89	1.37
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.67*	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	14.08	1.75
		For >1,000, Deduct	*-0.70*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.46*	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	22.17	2.29
		For >1,000, Deduct	*-1.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.47*	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	33.24	3.07
		For >1,000, Deduct	*-1.66*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.84*	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	46.35	4.12
		For >1,000, Deduct	*-2.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.41*	
33 14 13 23-0270		90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0256)*		
33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	17.84	7.03
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	22.57	8.78
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	28.48	10.98
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	44.53	12.15
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	48.04	13.61
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	57.09	15.45
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	65.49	17.91
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	91.73	22.00
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	133.20	27.95
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	218.24	36.69
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	267.21	49.09
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	352.88	66.07
33 14 13 23-0283		45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0256)*		
33 14 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	18.22	7.03
33 14 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	22.84	8.78
33 14 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	28.64	10.98
33 14 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	39.56	12.15
33 14 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	48.50	13.61
33 14 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	58.97	15.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	64.70	17.91
33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	90.02	22.00
33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	129.75	27.95
33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	211.67	36.69
33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	239.97	49.09
33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	315.18	66.07

33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0256)*

33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	26.73	10.54
33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	33.77	13.25
33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	42.37	16.54
33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	60.67	18.30
33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	69.23	20.35
33 14 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	80.80	23.20
33 14 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	100.35	26.80
33 14 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	132.52	33.03
33 14 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	223.61	41.98
33 14 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	337.50	55.03
33 14 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	385.51	73.54
33 14 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	478.93	98.96

33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0256)*

33 14 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	11.95	4.69
33 14 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	16.15	6.30
33 14 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	21.62	8.27
33 14 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	31.13	9.15
33 14 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	34.27	10.18
33 14 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	38.99	11.57
33 14 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	46.03	13.40
33 14 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	63.76	16.48
33 14 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	91.97	21.00
33 14 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	158.83	27.51
33 14 13 23-0320	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	182.06	36.80
33 14 13 23-0321	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	230.83	49.47

33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings *(33 14 13 23)*

33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0322)*

33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.90	0.59
		For >1,000, Deduct	*-0.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.25	0.63
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.92	0.76
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.15*	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.52	0.85
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.21*	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.61	0.96
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.33*	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.64	1.12
		For >1,000, Deduct	*-0.28*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.43*	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.55	1.37
		For >1,000, Deduct	*-0.38*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	11.54	1.75
		For >1,000, Deduct	*-0.58*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.08*	

33 14 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) *(33 14 13 23-0322)*

33 14 13 23-0333	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	17.98	7.03
33 14 13 23-0334	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.65	8.78
33 14 13 23-0335	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	31.55	12.15
33 14 13 23-0336	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	35.71	13.61
33 14 13 23-0337	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	43.24	15.45
33 14 13 23-0338	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	50.33	17.91
33 14 13 23-0339	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	66.36	22.00
33 14 13 23-0340	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	106.03	27.95

33 14 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) *(33 14 13 23-0322)*

33 14 13 23-0342	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	17.95	7.03
33 14 13 23-0343	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.62	8.78
33 14 13 23-0344	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	31.56	12.15
33 14 13 23-0345	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	35.58	13.61
33 14 13 23-0346	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	42.89	15.45
33 14 13 23-0347	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	49.92	17.91
33 14 13 23-0348	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.52	22.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0349	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	103.36	27.95
33 14 13 23-0350		**Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0351	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	26.87	10.54
33 14 13 23-0352	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	33.88	13.25
33 14 13 23-0353	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	47.15	18.30
33 14 13 23-0354	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	53.10	20.35
33 14 13 23-0355	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	65.07	23.20
33 14 13 23-0356	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	77.20	26.80
33 14 13 23-0357	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	96.12	33.03
33 14 13 23-0358	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	161.61	41.98
33 14 13 23-0359		**Couplings, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0360	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	12.02	4.69
33 14 13 23-0361	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	16.20	6.30
33 14 13 23-0362	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	23.49	9.15
33 14 13 23-0363	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	26.53	10.18
33 14 13 23-0364	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	31.30	11.57
33 14 13 23-0365	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	37.12	13.40
33 14 13 23-0366	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	46.02	16.48
33 14 13 23-0367	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	68.91	21.00
33 14 13 23-0368		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0369	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	35.96	14.06
33 14 13 23-0370	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	45.12	17.64
33 14 13 23-0371	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	62.85	24.38
33 14 13 23-0372	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	70.78	27.15
33 14 13 23-0373	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	86.71	30.89
33 14 13 23-0374	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	102.87	35.76
33 14 13 23-0375	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	128.09	43.99
33 14 13 23-0376	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	215.14	55.96
33 14 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0377)*		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.46	0.63
		For >1,000, Deduct	*-0.12*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.34	0.76
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.22*	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.22	0.85
		For >1,000, Deduct	*-0.21*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.31*	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.52	0.96
		For >1,000, Deduct	*-0.28*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.47*	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.92	1.12
		For >1,000, Deduct	*-0.35*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.51	1.37
		For >1,000, Deduct	*-0.48*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.91*	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	15.91	1.75
		For >1,000, Deduct	*-0.80*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.73*	
33 14 13 23-0386		**90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0387	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	23.74	8.78
33 14 13 23-0388	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	31.55	12.15
33 14 13 23-0389	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.79	13.61
33 14 13 23-0390	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	45.55	15.45
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	52.48	17.91
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.87	22.00
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	103.58	27.95
33 14 13 23-0394		**45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	28.20	8.78
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	35.84	12.15
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	40.92	13.61
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	53.29	15.45
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	62.56	17.91
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	87.13	22.00
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	102.23	27.95
33 14 13 23-0402		**Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	36.16	13.25
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	54.07	18.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	61.35	20.35
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	69.44	23.20
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	81.38	26.80
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	99.14	33.03
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	161.50	41.98
33 14 13 23-0410		**Couplings, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	17.83	6.30
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.29	9.15
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	29.16	10.18
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	38.06	11.57
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	43.93	13.40
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	54.31	16.48
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	80.48	21.00
33 14 13 23-0418		**Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	48.14	17.64
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	72.04	24.38
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	81.74	27.15
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	92.52	30.89
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	108.42	35.76
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	132.09	43.99
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	215.00	55.96
33 14 13 23-0426		**AWWA C906, High Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23)* Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427		**High Density Polyethylene (HDPE) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	5.85	2.21
		For SDR 19, Add	*0.12*	
		For SDR 17, Add	*0.31*	
		For SDR 15.5, Add	*0.45*	
		For SDR 13.5, Add	*0.70*	
		For SDR 11, Add	*1.13*	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	8.21	2.81
		For SDR 26, Deduct	*-0.48*	
		For SDR 19, Add	*0.23*	
		For SDR 17, Add	*0.58*	
		For SDR 15.5, Add	*0.85*	
		For SDR 13.5, Add	*1.32*	
		For SDR 11, Add	*2.13*	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.40	3.40
		For SDR 26, Deduct	*-1.03*	
		For SDR 19, Add	*0.50*	
		For SDR 17, Add	*1.24*	
		For SDR 15.5, Add	*1.82*	
		For SDR 13.5, Add	*2.84*	
		For SDR 11, Add	*4.58*	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	17.16	3.82
		For SDR 26, Deduct	*-1.74*	
		For SDR 19, Add	*0.86*	
		For SDR 17, Add	*2.11*	
		For SDR 15.5, Add	*3.09*	
		For SDR 13.5, Add	*4.83*	
		For SDR 11, Add	*7.77*	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	23.28	4.25
		For SDR 26, Deduct	*-2.71*	
		For SDR 19, Add	*1.33*	
		For SDR 17, Add	*3.28*	
		For SDR 15.5, Add	*4.81*	
		For SDR 13.5, Add	*7.51*	
		For SDR 11, Add	*12.08*	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	30.74	47.61
		For SDR 26, Deduct	*-3.91*	
		For SDR 19, Add	*1.92*	
		For SDR 17, Add	*4.74*	
		For SDR 15.5, Add	*6.93*	
		For SDR 13.5, Add	*10.82*	
		For SDR 11, Add	*17.42*	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	35.67	5.36
		For SDR 26, Deduct	*-4.59*	
		For SDR 19, Add	*2.25*	
		For SDR 17, Add	*5.57*	
		For SDR 15.5, Add	*8.15*	
		For SDR 13.5, Add	*12.72*	
		For SDR 11, Add	*20.48*	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.63	5.95
		For SDR 26, Deduct	*-6.00*	
		For SDR 19, Add	*2.95*	
		For SDR 17, Add	*7.27*	
		For SDR 15.5, Add	*10.65*	
		For SDR 13.5, Add	*16.62*	
		For SDR 11, Add	*26.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	55.68	7.14
		For SDR 26, Deduct	*-7.58*	
		For SDR 19, Add	*3.72*	
		For SDR 17, Add	*9.19*	
		For SDR 15.5, Add	*13.46*	
		For SDR 13.5, Add	*21.01*	
		For SDR 11, Add	*33.81*	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	61.48	8.50
		For SDR 26, Deduct	*-8.15*	
		For SDR 19, Add	*4.00*	
		For SDR 17, Add	*9.88*	
		For SDR 15.5, Add	*14.47*	
		For SDR 13.5, Add	*22.59*	
		For SDR 11, Add	*36.36*	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	93.99	10.20
		For SDR 26, Deduct	*-13.49*	
		For SDR 19, Add	*6.62*	
		For SDR 17, Add	*16.35*	
		For SDR 15.5, Add	*23.95*	
		For SDR 13.5, Add	*37.38*	
		For SDR 11, Add	*60.16*	
33 14 13 23-0439		90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	47.85	10.98
		For SDR 26, Deduct	*-2.73*	
		For SDR 19, Add	*1.34*	
		For SDR 17, Add	*3.31*	
		For SDR 15.5, Add	*4.85*	
		For SDR 13.5, Add	*7.57*	
		For SDR 11, Add	*12.19*	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	54.37	12.22
		For SDR 26, Deduct	*-3.26*	
		For SDR 19, Add	*1.60*	
		For SDR 17, Add	*3.95*	
		For SDR 15.5, Add	*5.78*	
		For SDR 13.5, Add	*9.03*	
		For SDR 11, Add	*14.53*	
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	89.06	13.95
		For SDR 26, Deduct	*-8.66*	
		For SDR 19, Add	*4.25*	
		For SDR 17, Add	*10.50*	
		For SDR 15.5, Add	*15.38*	
		For SDR 13.5, Add	*24.00*	
		For SDR 11, Add	*38.64*	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	147.60	16.28
		For SDR 26, Deduct	*-18.11*	
		For SDR 19, Add	*8.89*	
		For SDR 17, Add	*21.95*	
		For SDR 15.5, Add	*32.14*	
		For SDR 13.5, Add	*50.17*	
		For SDR 11, Add	*80.75*	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	229.95	21.75
		For SDR 26, Deduct	*-30.22*	
		For SDR 19, Add	*14.84*	
		For SDR 17, Add	*36.63*	
		For SDR 15.5, Add	*53.65*	
		For SDR 13.5, Add	*83.74*	
		For SDR 11, Add	*134.78*	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	339.01	32.54
		For SDR 26, Deduct	*-44.25*	
		For SDR 19, Add	*21.73*	
		For SDR 17, Add	*53.65*	
		For SDR 15.5, Add	*78.56*	
		For SDR 13.5, Add	*122.62*	
		For SDR 11, Add	*197.37*	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	418.02	43.42
		For SDR 26, Deduct	*-52.76*	
		For SDR 19, Add	*25.90*	
		For SDR 17, Add	*63.95*	
		For SDR 15.5, Add	*93.66*	
		For SDR 13.5, Add	*146.18*	
		For SDR 11, Add	*235.29*	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	539.82	65.08
		For SDR 26, Deduct	*-63.18*	
		For SDR 19, Add	*31.02*	
		For SDR 17, Add	*76.59*	
		For SDR 15.5, Add	*112.16*	
		For SDR 13.5, Add	*175.06*	
		For SDR 11, Add	*281.77*	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	688.65	73.20
		For SDR 26, Deduct	*-85.97*	
		For SDR 19, Add	*42.21*	
		For SDR 17, Add	*104.22*	
		For SDR 15.5, Add	*152.62*	
		For SDR 13.5, Add	*238.22*	
		For SDR 11, Add	*383.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	957.14	83.08
		For SDR 26, Deduct	*-129.29*	
		For SDR 19, Add	*63.48*	
		For SDR 17, Add	*156.72*	
		For SDR 15.5, Add	*229.51*	
		For SDR 13.5, Add	*358.24*	
		For SDR 11, Add	*576.61*	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,234.44	97.65
		For SDR 26, Deduct	*-172.60*	
		For SDR 19, Add	*84.75*	
		For SDR 17, Add	*209.23*	
		For SDR 15.5, Add	*306.40*	
		For SDR 13.5, Add	*478.25*	
		For SDR 11, Add	*769.77*	

33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	53.91	11.50
		For SDR 26, Deduct	*-3.57*	
		For SDR 19, Add	*1.76*	
		For SDR 17, Add	*4.33*	
		For SDR 15.5, Add	*6.35*	
		For SDR 13.5, Add	*9.90*	
		For SDR 11, Add	*15.94*	
33 14 13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	61.97	13.02
		For SDR 26, Deduct	*-4.21*	
		For SDR 19, Add	*2.07*	
		For SDR 17, Add	*5.10*	
		For SDR 15.5, Add	*7.47*	
		For SDR 13.5, Add	*11.66*	
		For SDR 11, Add	*18.76*	
33 14 13 23-0454	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	105.02	15.02
		For SDR 26, Deduct	*-11.00*	
		For SDR 19, Add	*5.40*	
		For SDR 17, Add	*13.33*	
		For SDR 15.5, Add	*19.52*	
		For SDR 13.5, Add	*30.47*	
		For SDR 11, Add	*49.05*	
33 14 13 23-0455	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	205.44	17.76
		For SDR 26, Deduct	*-27.90*	
		For SDR 19, Add	*13.70*	
		For SDR 17, Add	*33.82*	
		For SDR 15.5, Add	*49.53*	
		For SDR 13.5, Add	*77.31*	
		For SDR 11, Add	*124.44*	
33 14 13 23-0456	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	278.65	26.06
		For SDR 26, Deduct	*-36.76*	
		For SDR 19, Add	*18.05*	
		For SDR 17, Add	*44.56*	
		For SDR 15.5, Add	*65.26*	
		For SDR 13.5, Add	*101.86*	
		For SDR 11, Add	*163.95*	
33 14 13 23-0457	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	390.99	39.09
		For SDR 26, Deduct	*-50.19*	
		For SDR 19, Add	*24.65*	
		For SDR 17, Add	*60.85*	
		For SDR 15.5, Add	*89.11*	
		For SDR 13.5, Add	*139.08*	
		For SDR 11, Add	*223.86*	
33 14 13 23-0458	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	468.57	48.83
		For SDR 26, Deduct	*-59.05*	
		For SDR 19, Add	*28.99*	
		For SDR 17, Add	*71.58*	
		For SDR 15.5, Add	*104.83*	
		For SDR 13.5, Add	*163.63*	
		For SDR 11, Add	*263.37*	
33 14 13 23-0459	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	602.28	73.20
		For SDR 26, Deduct	*-70.13*	
		For SDR 19, Add	*34.43*	
		For SDR 17, Add	*85.01*	
		For SDR 15.5, Add	*124.49*	
		For SDR 13.5, Add	*194.31*	
		For SDR 11, Add	*312.75*	
33 14 13 23-0460	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	787.37	85.28
		For SDR 26, Deduct	*-97.44*	
		For SDR 19, Add	*47.84*	
		For SDR 17, Add	*118.11*	
		For SDR 15.5, Add	*172.97*	
		For SDR 13.5, Add	*269.98*	
		For SDR 11, Add	*434.56*	
33 14 13 23-0461	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,125.07	100.73
		For SDR 26, Deduct	*-150.21*	
		For SDR 19, Add	*73.76*	
		For SDR 17, Add	*182.09*	
		For SDR 15.5, Add	*266.67*	
		For SDR 13.5, Add	*416.22*	
		For SDR 11, Add	*669.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,473.46	122.10
		For SDR 26, Deduct	*-202.99*	
		For SDR 19, Add	*99.67*	
		For SDR 17, Add	*246.07*	
		For SDR 15.5, Add	*360.36*	
		For SDR 13.5, Add	*562.47*	
		For SDR 11, Add	*905.33*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	60.58	19.46
		For >1,000, Deduct	*-3.03*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	70.47	19.46
		For >1,000, Deduct	*-3.52*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	71.09	21.23
		For >1,000, Deduct	*-3.55*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	83.60	21.23
		For >1,000, Deduct	*-4.18*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	84.30	22.24
		For >1,000, Deduct	*-4.22*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	94.03	22.24
		For >1,000, Deduct	*-4.70*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	100.93	24.58
		For >1,000, Deduct	*-5.05*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	108.71	24.58
		For >1,000, Deduct	*-5.44*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	107.04	25.95
		For >1,000, Deduct	*-5.35*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	113.05	25.95
		For >1,000, Deduct	*-5.65*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	131.14	29.18
		For >1,000, Deduct	*-6.56*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	140.98	29.18
		For >1,000, Deduct	*-7.05*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	112.13	36.33
		For >1,000, Deduct	*-5.61*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.16	39.96
		For >1,000, Deduct	*-6.61*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	146.11	41.78
		For >1,000, Deduct	*-7.31*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	164.79	47.22
		For >1,000, Deduct	*-8.24*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	171.46	47.22
		For >1,000, Deduct	*-8.57*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	177.63	47.22
		For >1,000, Deduct	*-8.88*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	184.75	47.22
		For >1,000, Deduct	*-9.24*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	213.90	54.49
		For >1,000, Deduct	*-10.70*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	235.92	54.49
		For >1,000, Deduct	*-11.80*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	289.98	54.49
		For >1,000, Deduct	*-14.50*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	264.57	63.58
		For >1,000, Deduct	*-13.23*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	273.58	63.58
		For >1,000, Deduct	*-13.68*	

33 14 13 36-0029 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0030	EA	2" Dresser Coupling For Plain End Welded Steel Pipe	93.60	18.31
33 14 13 36-0031	EA	3" Dresser Coupling For Plain End Welded Steel Pipe	131.40	35.22
33 14 13 36-0032	EA	4" Dresser Coupling For Plain End Welded Steel Pipe	174.79	46.49
33 14 13 36-0033	EA	6" Dresser Coupling For Plain End Welded Steel Pipe	281.85	70.44
33 14 13 36-0034	EA	8" Dresser Coupling For Plain End Welded Steel Pipe	371.84	88.75
33 14 13 36-0035	EA	10" Dresser Coupling For Plain End Welded Steel Pipe	537.34	116.19
33 14 13 36-0036	EA	12" Dresser Coupling For Plain End Welded Steel Pipe	634.76	145.63
33 14 13 36-0037	EA	14" Dresser Coupling For Plain End Welded Steel Pipe	684.01	145.63
33 14 13 36-0038	EA	16" Dresser Coupling For Plain End Welded Steel Pipe	721.78	166.54
33 14 13 36-0039	EA	18" Dresser Coupling For Plain End Welded Steel Pipe	792.48	178.17
33 14 13 36-0040	EA	20" Dresser Coupling For Plain End Welded Steel Pipe	864.67	201.40
33 14 13 36-0041	EA	24" Dresser Coupling For Plain End Welded Steel Pipe	1,104.30	213.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39		**Copper Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 39-0001		Type L Copper Water Distribution Piping *(33 14 13 39)*		
33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	4.52	1.38
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	5.51	1.56
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	7.23	1.73
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	8.90	2.07
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	10.89	2.76
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	15.44	3.44
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	19.78	4.14
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	24.48	4.55
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	32.98	5.72
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	43.39	7.24
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	68.33	9.04
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	87.85	10.90
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	147.57	12.21
33 14 13 39-0015		Type K Copper Water Distribution Piping *(33 14 13 39)*		
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	4.77	1.38
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	6.36	1.56
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	8.07	1.73
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	9.43	2.07
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	11.66	2.76
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	16.49	3.44
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	22.67	4.14
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	28.82	4.55
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	38.08	5.72
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	51.13	7.24
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	84.35	9.04
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	116.65	10.90
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	200.71	12.21
33 14 13 43		**Public Water Utility Distribution Piping Coatings And Wraps** *(33 14 13)*		
33 14 13 43-0001		Pipe Coatings *(33 14 13 43)*		
33 14 13 43-0002		Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.49	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.64	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.29	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.56	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.99	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.98	
33 14 13 43-0009		8 Mil Polyethylene Encasement Tubing *(33 14 13 43)* Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0010	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.80	
33 14 13 43-0011	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.31	
33 14 13 43-0012	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.61	
33 14 13 43-0013	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.04	
33 14 13 43-0014	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	2.82	
33 14 13 43-0015	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	3.62	
33 14 13 43-0016	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	4.61	
33 14 13 43-0017	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	5.49	
33 14 13 43-0018	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	6.52	
33 14 13 43-0019	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	7.17	
33 14 13 53		**Public Water Utility Distribution Piping Saddles And Adapters** *(33 14 13)*		
33 14 13 53-0001		Double Stud Stainless Steel Service Saddles *(33 14 13 53)* Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	203.81	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	300.81	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	309.16	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	249.54	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	319.46	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	259.72	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	333.91	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	295.64	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	351.65	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	307.45	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	362.48	
33 14 13 53-0013		Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)* Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	160.40	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	160.55	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	170.67	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	163.99	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	175.59	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	196.36	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	209.08	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	189.59	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	210.54	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	220.97	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	199.83	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	221.56	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	231.92	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	210.56	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	231.56	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	241.75	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	380.06	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	388.41	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	229.73	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	255.74	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	264.98	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	456.06	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	261.35	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	293.14	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	514.60	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	286.83	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.62	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	331.57	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	579.98	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	342.70	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	368.53	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	399.32	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	727.49	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	351.06	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	406.59	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	423.64	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	784.89	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	367.04	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	424.73	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	442.30	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	817.19	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	411.22	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	481.55	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	476.42	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	530.00	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	498.14	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	567.12	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	233.07	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	256.54	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	265.94	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	289.67	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	299.80	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	315.14	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	285.81	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	304.99	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	376.25	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	409.20	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	595.64	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	678.70	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	697.85	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	784.54	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	247.45	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	274.69	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	282.92	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	309.08	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	320.80	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	337.27	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	365.86	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	392.94	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	395.50	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	430.92	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	643.33	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	746.14	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	754.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	825.61	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,101.63	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,101.63	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,144.04	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,144.04	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,227.88	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,227.88	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,176.04	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,416.37	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,701.14	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,807.15	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,843.37	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,994.06	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,055.35	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,968.74	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,118.81	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,492.91	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,583.48	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,185.01	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,355.35	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,428.69	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,456.87	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,694.99	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,675.00	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,691.72	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,882.74	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,923.29	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,968.52	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,895.40	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,304.86	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,380.43	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,819.16	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,926.81	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,270.51	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,688.52	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,344.85	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,508.55	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,568.89	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,892.92	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,203.72	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,427.89	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,538.12	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,679.72	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,717.78	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,063.74	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,253.66	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,287.09	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,711.74	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,907.29	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	972.05	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,016.94	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,120.33	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,140.14	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,188.61	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,387.04	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,237.26	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,284.28	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,457.96	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,091.02	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,380.91	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,452.76	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,623.57	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,190.04	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,405.76	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,855.71	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,914.10	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,287.66	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,752.26	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,052.24	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,220.13	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,280.59	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,525.80	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,192.96	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,345.96	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,325.03	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,439.56	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,601.05	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,387.18	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,539.99	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,833.40	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,893.73	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,263.77	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,893.72	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,157.49	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,042.43	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,181.94	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,372.48	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,269.17	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,428.74	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,144.86	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,235.20	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,310.52	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,322.71	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,410.41	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,684.57	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,519.91	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,617.81	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,862.91	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,577.39	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,727.90	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,863.60	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,189.36	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,615.64	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,940.09	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,970.04	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,137.89	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,505.48	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,932.17	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,154.97	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,427.81	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,659.51	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,834.61	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,293.87	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,603.45	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,660.25	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,009.59	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,192.61	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,595.43	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,130.37	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,853.20	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,201.63	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,349.18	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,104.08	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,521.55	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,408.01	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,452.32	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,630.47	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,532.77	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,011.46	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	281.89	41.07
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	352.94	51.78
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	461.33	71.43
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	604.99	83.93
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	980.63	94.64
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,094.35	107.14

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	426.85	41.07
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	502.09	51.78
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	668.51	71.43
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	820.61	83.93
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,008.29	94.64
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,177.53	107.14
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,406.76	117.85
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,675.14	128.56
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,986.85	141.42
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,357.41	155.56

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters *(33 14 13 53)*

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	362.63	51.78
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	485.26	71.43
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	533.38	83.93
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	801.60	94.64
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,031.94	107.14
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,159.32	117.85
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,370.92	128.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,540.83	141.42
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,863.55	155.56
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,258.23	171.14
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,840.92	188.20
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,571.58	207.07
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	119.27	28.57
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	148.19	33.93
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	184.22	41.07
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	231.18	51.78
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	306.51	71.43
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	374.74	83.93
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	476.52	94.64
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	560.15	107.14
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	814.32	117.85
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,030.92	128.56

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

See CSI section 23 21 13 23-0669 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0002 Angle Valves *(33 14 19 00-0001)*

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0002)*

Note: Nibco T-335Y

33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	82.69	12.23
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	111.52	16.44
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	151.68	20.26
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	195.56	25.46
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	245.77	29.43
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	372.50	34.41
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	602.28	46.98
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	925.26	54.24

33 14 19 00-0012 Butterfly Valves *(33 14 19 00-0001)*

33 14 19 00-0013 Lug Type Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves *(33 14 19 00-0012)*

33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	1,527.67	129.97
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	1,701.67	129.97
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	1,633.56	201.24
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	1,807.56	201.24
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	1,891.21	252.06
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	2,065.21	252.06
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	2,134.10	322.08
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	2,307.10	322.08
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	2,677.12	392.10
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	2,677.12	392.10
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	3,062.09	475.26
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	3,236.09	475.26
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12)	4,055.35	632.27
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12)	4,510.35	632.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16)	4,731.38	695.50
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20)	5,289.38	695.50
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24)	5,950.22	771.38
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24)	6,541.22	771.38
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24)	6,821.73	869.38
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24)	7,411.73	869.38
33 14 19 00-0034	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30)	11,199.71	1,066.97
33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20)	11,235.71	1,066.97
33 14 19 00-0036	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24)	23,540.07	1,811.26
33 14 19 00-0037	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24)	27,745.77	2,415.02
33 14 19 00-0038	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32)	34,877.15	3,622.52
33 14 19 00-0039	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24)	47,564.18	4,528.15
33 14 19 00-0040		**Check Valves** *(33 14 19 00-0001)*		
33 14 19 00-0041		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0040)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0042	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	740.76	102.13
33 14 19 00-0043	EA	3" Flanged, Swing Type Gravity Operated Check Valve	762.56	119.74
33 14 19 00-0044	EA	4" Flanged, Swing Type Gravity Operated Check Valve	1,056.94	151.44
33 14 19 00-0045	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,468.18	227.86
33 14 19 00-0046	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,525.55	254.48
33 14 19 00-0047	EA	6" Flanged, Swing Type Gravity Operated Check Valve	1,454.85	253.57
33 14 19 00-0048	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,899.78	288.23
33 14 19 00-0049	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	1,983.37	324.01
33 14 19 00-0050	EA	8" Flanged, Swing Type Gravity Operated Check Valve	2,066.35	324.01
33 14 19 00-0051	EA	10" Flanged, Swing Type Gravity Operated Check Valve	3,478.48	394.45
33 14 19 00-0052	EA	12" Flanged, Swing Type Gravity Operated Check Valve	5,264.92	295.83
33 14 19 00-0053	EA	14" Flanged, Swing Type Gravity Operated Check Valve	7,400.20	632.27
33 14 19 00-0054	EA	16" Flanged, Swing Type Gravity Operated Check Valve	9,827.85	695.50
33 14 19 00-0055	EA	18" Flanged, Swing Type Gravity Operated Check Valve	14,232.72	771.38
33 14 19 00-0056	EA	20" Flanged, Swing Type Gravity Operated Check Valve	16,567.63	869.38
33 14 19 00-0057		**Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0040)* Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0058	EA	1/4" Threaded, Bronze, Swing Type Check Valve	37.96	12.31
33 14 19 00-0059	EA	3/8" Threaded, Bronze, Swing Type Check Valve	39.13	12.31
33 14 19 00-0060	EA	1/2" Threaded, Bronze, Swing Type Check Valve	36.14	12.31
33 14 19 00-0061	EA	3/4" Threaded, Bronze, Swing Type Check Valve	47.89	16.63
33 14 19 00-0062	EA	1" Threaded, Bronze, Swing Type Check Valve	49.91	20.10
33 14 19 00-0063	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve	79.92	25.46
33 14 19 00-0064	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve	98.35	29.43
33 14 19 00-0065	EA	2" Threaded, Bronze, Swing Type Check Valve	130.58	34.41
33 14 19 00-0066	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve	159.95	46.98
33 14 19 00-0067		**Combination Air Release Valves** *(33 14 19 00-0001)*		
33 14 19 00-0068	EA	1" Combination Air Release Valve	426.92	14.79
33 14 19 00-0069	EA	2" Combination Air Release Valve	688.72	25.35
33 14 19 00-0070		**Corporation Stop And Curb Valve** *(33 14 19 00-0001)* Note: AWWA C800		
33 14 19 00-0071		**Ball Corporation Valves** *(33 14 19 00-0070)* Note: Mueller B-25000.		
33 14 19 00-0072	EA	3/4" Ball Corporation Valve (Mueller B-25000)	64.23	14.79
33 14 19 00-0073	EA	1" Ball Corporation Valve (Mueller B-25000)	80.91	18.31
33 14 19 00-0074	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	148.54	26.77
33 14 19 00-0075	EA	2" Ball Corporation Valve (Mueller B-25000)	228.80	31.69

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0076		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0077		**Gate Valve, Flanged** *(33 14 19 00-0076)*		
		Note: Mueller A-2380-6.		
33 14 19 00-0078	EA	2" Gate Valve, Flanged	463.07	93.89
33 14 19 00-0079	EA	2-1/2" Gate Valve, Flanged	540.82	102.13
33 14 19 00-0080	EA	3" Gate Valve, Flanged	639.70	119.74
33 14 19 00-0081	EA	4" Gate Valve, Flanged	847.44	150.03
33 14 19 00-0082	EA	6" Gate Valve, Flanged	1,049.83	253.57
33 14 19 00-0083	EA	8" Gate Valve, Flanged	1,545.95	324.01
33 14 19 00-0084	EA	10" Gate Valve, Flanged	2,310.13	394.45
33 14 19 00-0085	EA	12" Gate Valve, Flanged	2,785.53	295.83
33 14 19 00-0086	EA	14" Gate Valve, Flanged	6,029.88	632.27
33 14 19 00-0087	EA	16" Gate Valve, Flanged	7,870.93	695.50
33 14 19 00-0088	EA	18" Gate Valve, Flanged	12,424.55	771.38
33 14 19 00-0089	EA	20" Gate Valve, Flanged	14,850.81	869.38
33 14 19 00-0090		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0076)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0091	EA	2" Resilient Wedge Gate Valve, Flanged	443.52	93.89
33 14 19 00-0092	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	517.46	102.13
33 14 19 00-0093	EA	3" Resilient Wedge Gate Valve, Flanged	611.97	119.74
33 14 19 00-0094	EA	4" Resilient Wedge Gate Valve, Flanged	816.45	150.03
33 14 19 00-0095	EA	6" Resilient Wedge Gate Valve, Flanged	1,008.40	253.57
33 14 19 00-0096	EA	8" Resilient Wedge Gate Valve, Flanged	1,481.23	324.01
33 14 19 00-0097	EA	10" Resilient Wedge Gate Valve, Flanged	2,207.29	394.45
33 14 19 00-0098	EA	12" Resilient Wedge Gate Valve, Flanged	2,661.36	295.83
33 14 19 00-0099		**Gate Valve, Mechanical Joint** *(33 14 19 00-0076)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0100	EA	2" Gate Valve, Mechanical Joint	544.41	75.02
33 14 19 00-0101	EA	2-1/2" Gate Valve, Mechanical Joint	592.86	94.03
33 14 19 00-0102	EA	3" Gate Valve, Mechanical Joint	743.88	113.75
33 14 19 00-0103	EA	4" Gate Valve, Mechanical Joint	890.71	150.03
33 14 19 00-0104	EA	6" Gate Valve, Mechanical Joint	1,116.74	176.09
33 14 19 00-0105	EA	8" Gate Valve, Mechanical Joint	1,612.06	211.31
33 14 19 00-0106	EA	10" Gate Valve, Mechanical Joint	2,341.52	246.52
33 14 19 00-0107	EA	12" Gate Valve, Mechanical Joint	2,928.05	295.83
33 14 19 00-0108	EA	14" Gate Valve, Mechanical Joint	6,402.76	387.27
33 14 19 00-0109	EA	16" Gate Valve, Mechanical Joint	8,269.13	434.69
33 14 19 00-0110	EA	18" Gate Valve, Mechanical Joint	13,137.25	482.12
33 14 19 00-0111	EA	20" Gate Valve, Mechanical Joint	15,620.38	543.36
33 14 19 00-0112		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0076)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0113	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	522.09	75.02
33 14 19 00-0114	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	714.65	113.75
33 14 19 00-0115	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	857.27	150.03
33 14 19 00-0116	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	1,073.47	176.09
33 14 19 00-0117	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	1,544.74	211.31
33 14 19 00-0118	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	2,236.89	246.52
33 14 19 00-0119	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	2,795.78	295.83
33 14 19 00-0120		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0076)*		
		Note: Mueller A-2361.		
33 14 19 00-0121	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,786.76	632.27
33 14 19 00-0122	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,205.23	695.50
33 14 19 00-0123	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,060.08	771.38
33 14 19 00-0124	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	9,610.97	869.38
33 14 19 00-0125	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	13,620.91	1,066.97
33 14 19 00-0126		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0076)*		
		Note: NIBCO T-113.		
33 14 19 00-0127	EA	1/4" Gate Valve, Bronze, Threaded	45.66	12.31
33 14 19 00-0128	EA	3/8" Gate Valve, Bronze, Threaded	46.83	12.31
33 14 19 00-0129	EA	1/2" Gate Valve, Bronze, Threaded	45.85	12.31
33 14 19 00-0130	EA	3/4" Gate Valve, Bronze, Threaded	58.48	16.63
33 14 19 00-0131	EA	1" Gate Valve, Bronze, Threaded	72.38	20.10
33 14 19 00-0132	EA	1-1/4" Gate Valve, Bronze, Threaded	99.78	25.46
33 14 19 00-0133	EA	1-1/2" Gate Valve, Bronze, Threaded	115.91	29.43
33 14 19 00-0134	EA	2" Gate Valve, Bronze, Threaded	141.34	34.41
33 14 19 00-0135	EA	2-1/2" Gate Valve, Bronze, Threaded	287.31	46.98
33 14 19 00-0136	EA	3" Gate Valve, Bronze, Threaded	345.97	53.88
33 14 19 00-0137		**Globe Valve, AWWA** *(33 14 19 00-0001)*		
33 14 19 00-0138		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0137)*		
		Note: NIBCO T-235.		
33 14 19 00-0139	EA	1/8" Globe Valve, Threaded	67.16	12.31
33 14 19 00-0140	EA	1/4" Globe Valve, Threaded	64.80	12.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0141	EA	3/8" Globe Valve, Threaded	65.97	12.31
33 14 19 00-0142	EA	1/2" Globe Valve, Threaded	67.16	12.31
33 14 19 00-0143	EA	3/4" Globe Valve, Threaded	91.28	16.63
33 14 19 00-0144	EA	1" Globe Valve, Threaded	130.47	20.10
33 14 19 00-0145	EA	1-1/4" Globe Valve, Threaded	193.67	25.46
33 14 19 00-0146	EA	1-1/2" Globe Valve, Threaded	231.93	29.43
33 14 19 00-0147	EA	2" Globe Valve, Threaded	328.51	34.41
33 14 19 00-0148	EA	2-1/2" Globe Valve, Threaded	615.16	46.98
33 14 19 00-0149	EA	3" Globe Valve, Threaded	849.71	54.17
33 14 19 00-0150		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0001)*		
33 14 19 00-0151		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0150)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0152	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	649.44	93.89
33 14 19 00-0153	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	836.62	119.74
33 14 19 00-0154	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,037.66	150.03
33 14 19 00-0155	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,340.51	253.57
33 14 19 00-0156	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,918.75	324.01
33 14 19 00-0157	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,763.17	394.45
33 14 19 00-0158	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,061.20	295.83
33 14 19 00-0159	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	7,342.03	632.27
33 14 19 00-0160	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	9,260.39	695.50
33 14 19 00-0161	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	14,888.29	771.38
33 14 19 00-0162		Accessories For Valves *(33 14 19)*		
33 14 19 00-0163	EA	1' Valve Extension Stem	71.55	
		For Each Additional LF, Add	*5.12*	
33 14 19 00-0164	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly	962.22	70.44
		Note: Excludes valve.		
33 14 19 00-0165	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,091.00	77.48
		Note: Excludes valve.		
33 14 19 00-0166		Roadway Or Curb Valve Boxes *(33 14 19)*		
		See CSI section 22 05 19 00-0000 for metering.		
33 14 19 00-0167		Round Head, Cast Iron Service, Roadway Or Valve Boxes *(33 14 19 00-0166)*		
33 14 19 00-0168	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	170.44	9.30
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0169	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	198.83	9.30
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0170	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	200.14	9.30
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0171	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	50.23	4.65
33 14 19 00-0172	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	57.74	4.65
33 14 19 00-0173	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	69.05	4.65
33 14 19 00-0174	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box	258.31	11.62
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0175	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	449.50	16.27
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0176	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	502.44	16.27
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0177	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	268.82	11.62
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0178	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	281.47	11.62
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0179	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	271.80	11.62
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0180	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	98.27	4.65
33 14 19 00-0181	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	162.74	19.12
33 14 19 00-0182	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	168.48	19.88
33 14 19 00-0183	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	187.63	20.64
33 14 19 00-0184	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	260.43	21.79
33 14 19 00-0185	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	314.84	22.93
33 14 19 00-0186	EA	18" Cast Iron Service Box Extension Section	74.30	
33 14 19 00-0187		Plastic Roadway Grade Water Meter Box And Cover *(33 14 19 00-0166)*		
33 14 19 00-0188	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	235.25	26.76
33 14 19 00-0189	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	177.41	19.12
33 14 19 00-0190	EA	Cast Iron Lid For Plastic Meter Box	53.81	
33 14 19 00-0191		Fire Hydrants *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0192		Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0191)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0193	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,476.96	196.05
33 14 19 00-0194	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,543.47	196.05
33 14 19 00-0195	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,610.15	196.05
33 14 19 00-0196	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,690.52	210.06
33 14 19 00-0197	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,757.10	210.06
33 14 19 00-0198	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,841.24	227.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0199	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,907.71	227.56
33 14 19 00-0200	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,991.87	245.06
33 14 19 00-0201	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,058.44	245.06
33 14 19 00-0202	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,142.41	262.56
33 14 19 00-0203	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,226.47	280.07
33 14 19 00-0204	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,327.93	315.08
33 14 19 00-0205	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,537.66	196.05
33 14 19 00-0206	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,623.97	196.05
33 14 19 00-0207	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,710.07	196.05
33 14 19 00-0208	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,810.18	210.06
33 14 19 00-0209	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,896.28	210.06
33 14 19 00-0210	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,000.20	227.56
33 14 19 00-0211	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,086.19	227.56
33 14 19 00-0212	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,189.88	245.06
33 14 19 00-0213	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,275.96	245.06
33 14 19 00-0214	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,379.41	262.56
33 14 19 00-0215	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,483.23	280.07
33 14 19 00-0216	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,604.19	315.08
33 14 19 00-0217		**Two Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0191)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0218	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,111.88	196.05
33 14 19 00-0219	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,178.16	196.05
33 14 19 00-0220	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,244.82	196.05
33 14 19 00-0221	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,325.47	210.06
33 14 19 00-0222	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,391.83	210.06
33 14 19 00-0223	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,475.82	227.56
33 14 19 00-0224	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,542.39	227.56
33 14 19 00-0225	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,626.61	245.06
33 14 19 00-0226	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,693.04	245.06
33 14 19 00-0227	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,777.37	262.56
33 14 19 00-0228	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,861.01	280.07
33 14 19 00-0229	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,962.61	315.08
33 14 19 00-0230	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,205.64	196.05
33 14 19 00-0231	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,291.76	196.05
33 14 19 00-0232	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,377.75	196.05
33 14 19 00-0233	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,478.08	210.06
33 14 19 00-0234	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,563.96	210.06
33 14 19 00-0235	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,667.73	227.56
33 14 19 00-0236	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,753.66	227.56
33 14 19 00-0237	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,857.63	245.06
33 14 19 00-0238	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,943.51	245.06
33 14 19 00-0239	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,047.26	262.56
33 14 19 00-0240	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,150.66	280.07
33 14 19 00-0241	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,272.09	315.08
33 14 19 00-0242		**Three Way, Modern Model Fire Hydrant** *(33 14 19 00-0191)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0243	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,632.18	196.05
33 14 19 00-0244	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	3,718.17	196.05
33 14 19 00-0245	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,804.42	196.05
33 14 19 00-0246	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	3,904.58	210.06
33 14 19 00-0247	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,990.63	210.06
33 14 19 00-0248	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,094.23	227.56
33 14 19 00-0249	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,180.40	227.56
33 14 19 00-0250	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,284.02	245.06
33 14 19 00-0251	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,370.10	245.06
33 14 19 00-0252	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,473.70	245.06
33 14 19 00-0253	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,577.57	280.07
33 14 19 00-0254	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	4,697.63	280.07
33 14 19 00-0255		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0191)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0256	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,553.92	196.05
33 14 19 00-0257	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,619.36	196.05
33 14 19 00-0258	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,685.53	196.05
33 14 19 00-0259	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,764.21	210.06
33 14 19 00-0260	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,829.63	210.06
33 14 19 00-0261	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	2,912.55	227.56
33 14 19 00-0262	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,977.95	227.56
33 14 19 00-0263	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,060.95	245.06
33 14 19 00-0264	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,126.18	245.06
33 14 19 00-0265	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,209.12	262.56
33 14 19 00-0266	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,292.14	280.07
33 14 19 00-0267	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,391.76	315.08
33 14 19 00-0268		**Fire Hydrant Extension Kits** *(33 14 19 00-0191)*		
33 14 19 00-0269	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	517.22	17.51
33 14 19 00-0270	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	612.27	21.88
33 14 19 00-0271	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	662.79	26.26
33 14 19 00-0272	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	748.04	32.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0273	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,161.50	33.70
33 14 19 00-0274	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,242.61	35.01
33 14 19 00-0275	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,258.95	36.76
33 14 19 00-0276	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,328.55	39.39
33 14 19 00-0277	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,456.62	47.26
33 14 19 00-0278	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,522.42	56.89
33 14 19 00-0279	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	575.83	19.60
33 14 19 00-0280	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	679.02	23.81
33 14 19 00-0281	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	776.74	28.71
33 14 19 00-0282	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	861.15	35.71
33 14 19 00-0283	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,203.87	37.11
33 14 19 00-0284	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,285.87	38.51
33 14 19 00-0285	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,340.30	40.61
33 14 19 00-0286	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,575.86	43.41
33 14 19 00-0287	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,717.78	51.81
33 14 19 00-0288	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,788.08	62.32
33 14 19 00-0289		Remove And Reinstall Standard Fire Hydrant *(33 14 19 00-0191)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0290	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	560.13	
33 14 19 00-0291	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	816.87	
33 14 19 00-0292	EA	Reset Fire Hydrant Upper Barrel	763.26	
		Note: Includes Safety Repair Kit		
33 14 19 00-0293		Yard Hydrants *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0294	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	304.77	22.93
33 14 19 00-0295	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	329.84	22.93
33 14 19 00-0296	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	354.91	22.93
33 14 19 00-0297	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	226.96	29.05
33 14 19 00-0298	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	238.16	29.05
33 14 19 00-0299	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	249.37	29.05
33 14 19 00-0300		Sanitary Yard Hydrants *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0301	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,477.76	47.78
33 14 19 00-0302	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,556.11	47.78
33 14 19 00-0303	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,634.45	47.78
33 14 19 00-0304		Flushing Hydrants *(33 14 19)*		
33 14 19 00-0305	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	506.62	29.31

33 14 23 Enclosures for Water Utility Piping and Valves *(33 14)*

See CSI section 22 11 19 00-0352 for Enclosures.

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	273.36	39.76
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	344.86	47.40
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	467.45	54.28
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	920.75	81.04
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,249.39	105.51

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001		Flanged Turbine Water Service Meter *(33 19 16 23)*		
33 19 16 23-0002		Vertical Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	538.47	73.96
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	752.83	93.89
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	1,274.10	119.74
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	1,945.78	226.80
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	3,641.94	253.57
33 19 16 23-0008		Horizontal Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	835.66	73.96
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	1,177.11	93.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	1,444.20	119.74
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	2,170.63	226.80
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	4,461.17	253.57
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	5,976.77	324.01
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	8,380.33	394.45
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	10,538.24	795.93

33 19 19 Compound Water Meters *(33 19)*

33 19 19 00-0001 Flanged Compound Type Water Service Meter *(33 19 19)*

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,195.77	93.89
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,560.62	119.74
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	4,290.06	226.80
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,935.39	253.57
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	12,329.21	324.01
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	21,218.17	394.45

33 19 23 Magnetic Water Meters *(33 19)*

33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	5,030.81	93.89
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	6,955.28	119.74
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	7,983.96	226.80

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.74	3.07
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.06	3.62
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.46	4.38
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	12.66	5.12
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.13	5.95
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.43	6.92
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	25.32	7.17
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	30.99	7.42

33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

Note: D-2729 PVC pipe.

33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.79	4.38
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.50	5.12
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.39	5.95

33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0001)*

33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.68	9.73
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.48	12.59
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.56	16.91
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	46.59	19.55
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	143.46	25.40
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	231.66	34.18
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	306.20	45.53

33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	17.16	9.73
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.44	12.59
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.84	16.91
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.09	19.55
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	134.54	25.40
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	210.94	34.18
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	245.26	45.53
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	358.91	60.64

33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.30	9.59
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	24.82	12.59
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.72	17.28
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	64.65	21.08
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	111.40	24.38
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	182.15	27.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	285.84	32.43
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	422.07	37.80
33 31 11 00-0042		**1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.18	9.73
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.47	12.59
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.82	16.91
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	48.61	19.55
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	173.11	25.40
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	274.82	34.18
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	316.02	45.53
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	335.32	60.64
33 31 11 00-0051		**Reducers, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	20.83	11.11
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	33.12	13.27
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	33.02	14.63
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	45.90	15.98
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	50.12	18.14
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	126.54	22.45
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	254.27	29.77
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	85.17	32.50
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	109.96	35.45
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	108.46	39.82
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	274.25	43.04
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	291.25	47.40
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	310.81	53.08
33 31 11 00-0065		**Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	25.75	14.72
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	33.79	19.03
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	51.78	25.11
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	73.60	31.19
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	207.47	34.18
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	270.29	45.53
33 31 11 00-0072		**Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	29.45	14.72
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	35.94	19.03
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	54.53	25.11
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	78.10	31.19
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	190.60	34.18
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	238.25	45.53
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	314.06	60.76
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	483.67	81.08
33 31 11 00-0081		**Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	35.26	14.72
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	41.59	19.03
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	50.71	25.11
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	71.93	31.19
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	76.15	31.19
33 31 11 00-0087		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	44.26	19.03
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	57.95	25.11
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	103.13	33.89
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	167.58	40.99
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	56.20	25.11
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	89.76	33.89
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	145.50	40.99
33 31 11 00-0095		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.07	14.72
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.14	19.03
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	76.18	25.11
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	126.64	31.19
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	58.82	19.03
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	90.38	25.11
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	70.62	25.11
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	119.98	31.19
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	126.07	31.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0105		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	47.84	19.03
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	58.35	25.11
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	86.69	33.89
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	250.59	40.99
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	754.56	45.39
33 31 11 00-0111		**Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	238.19	80.75
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	496.35	104.18
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	643.69	146.81
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	915.84	236.16
33 31 11 00-0116		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	16.44	9.73
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	20.77	12.52
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	30.37	16.76
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	37.80	19.55
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	85.17	25.40
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	187.13	34.18
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	278.91	45.53
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	449.79	60.64
33 31 11 00-0125		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	80.28	49.45
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	58.44	37.61
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	59.34	37.61
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	61.72	37.61
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	80.94	49.45
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	79.03	49.45
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	75.91	49.45
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	40.42	25.43
33 31 11 00-0134		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	21.19	10.47
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	31.90	13.03
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	54.82	16.83
33 31 11 00-0138		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	15.70	9.73
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	20.35	12.59
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	28.93	16.91
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	36.08	19.55
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	56.08	25.40
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	166.80	34.18
33 31 11 00-0145		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	13.80	5.12
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.71	5.95
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	25.41	6.92
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	31.68	7.17
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	39.25	7.42
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	51.98	7.68
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	66.55	7.97
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	87.10	8.64
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	106.08	9.32
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	132.18	10.94
33 31 11 00-0156		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	12.30	5.12
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	16.03	5.95
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	21.05	6.92
33 31 11 00-0160		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0161		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	57.08	18.48
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	84.15	21.49
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	174.47	24.36
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	497.24	28.66
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	642.50	36.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0167		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0168	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	51.68	18.48
33 31 11 00-0169	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	78.19	21.49
33 31 11 00-0170	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	159.42	24.36
33 31 11 00-0171	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	355.51	28.66
33 31 11 00-0172	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	507.74	36.54
33 31 11 00-0173	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,086.55	51.59
33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,723.28	73.09
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,873.44	96.73
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,917.77	128.97
33 31 11 00-0177		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	86.38	27.73
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.17	30.74
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	155.12	32.25
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	171.13	33.75
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	195.75	35.25
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	372.98	36.76
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	477.12	37.61
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	540.55	39.41
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	797.11	40.91
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,038.29	42.99
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	587.03	45.79
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	623.11	47.29
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	887.95	48.79
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,279.56	50.87
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,441.83	54.82
33 31 11 00-0193		**Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	82.19	27.73
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	124.21	30.74
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	136.37	32.25
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	165.14	33.75
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	188.61	35.25
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	287.66	36.76
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	436.62	37.91
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	445.44	39.41
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	669.05	40.91
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	740.19	42.99
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	553.23	45.79
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	570.61	47.29
33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	815.98	48.79
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	982.74	50.87
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,026.20	54.82
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,264.60	65.92
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,402.79	69.86
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,753.25	77.39
33 31 11 00-0212		**Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	56.60	18.48
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	87.33	21.49
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.31	24.51
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	241.91	28.66
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	342.97	36.54
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	669.56	51.59
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,257.83	73.09
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,097.25	96.73
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,035.34	128.97
33 31 11 00-0222		**Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	107.34	19.99
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	153.35	21.49
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	161.73	23.00
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	362.61	25.08
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	416.61	26.59
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	465.46	29.02
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	534.04	30.52
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	612.17	32.60
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	921.35	44.06
33 31 11 00-0232		**Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	89.14	
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	117.58	
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	120.16	
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	198.07	
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	208.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	395.13	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	225.75	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	246.04	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	546.71	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	644.42	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	259.69	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	277.40	

33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)
(33 31 11 00-0160)

33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	95.20	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	117.58	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	128.41	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	182.01	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	207.60	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	314.30	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	224.46	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	244.82	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	365.72	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	444.63	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	258.90	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	271.40	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	450.18	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	497.79	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	702.46	

33 31 11 00-0261 Couplings And Plug Fittings *(33 31 11)*

33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0261)*

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0263	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.00	4.63
33 31 11 00-0264	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	17.33	5.40
33 31 11 00-0265	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	20.65	6.17
33 31 11 00-0266	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	23.90	6.55
33 31 11 00-0267	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	31.04	6.94
33 31 11 00-0268	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	38.25	7.71
33 31 11 00-0269	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	51.63	8.48
33 31 11 00-0270	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	66.44	8.87
33 31 11 00-0271	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	119.79	9.25
33 31 11 00-0272	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	168.60	10.02
33 31 11 00-0273	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	341.99	10.41
33 31 11 00-0274	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	399.56	10.99
33 31 11 00-0275	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	443.89	11.57
33 31 11 00-0276	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	533.98	12.34

33 31 11 00-0277 Cast Iron Service Saddles With U Bolt *(33 31 11)*

33 31 11 00-0278	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	83.21	
33 31 11 00-0279	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	83.68	
33 31 11 00-0280	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	92.03	
33 31 11 00-0281	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	89.17	
33 31 11 00-0282	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	100.78	
33 31 11 00-0283	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	113.58	
33 31 11 00-0284	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	134.62	
33 31 11 00-0285	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	114.21	
33 31 11 00-0286	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	124.87	
33 31 11 00-0287	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	143.93	
33 31 11 00-0288	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	91.85	
33 31 11 00-0289	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	100.21	
33 31 11 00-0290	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	119.83	
33 31 11 00-0291	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	142.30	
33 31 11 00-0292	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	153.50	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,944.13	229.53
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,913.43	229.53
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	950.09	76.48
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,520.58	76.48

33 32 16 00-0006 Submersible Grinder Pumps *(33 32 16)*

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0007	EA	3 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	5,856.59	576.31
33 32 16 00-0008	EA	5 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	7,020.73	740.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0009	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,398.33	493.98
33 32 16 00-0010	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,214.81	576.31
33 32 16 00-0011	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	6,356.45	740.97

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	2,481.14	493.98
		For Non-Traffic Rated, Deduct	*-468.62*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	2,976.42	545.27
		For Non-Traffic Rated, Deduct	*-576.74*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	3,452.83	596.48
		For Non-Traffic Rated, Deduct	*-680.13*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	4,418.77	648.35
		For Non-Traffic Rated, Deduct	*-906.26*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	5,278.71	895.34
		For Non-Traffic Rated, Deduct	*-1,045.81*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	13,910.54	1,234.95
		For Non-Traffic Rated, Deduct	*-3,098.92*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	25,250.61	1,852.43
		For Non-Traffic Rated, Deduct	*-5,746.19*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	28,367.81	2,593.40
		For Non-Traffic Rated, Deduct	*-6,302.96*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	34,777.07	3,102.86
		For Non-Traffic Rated, Deduct	*-7,747.47*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	41,119.84	3,843.83
		For Non-Traffic Rated, Deduct	*-9,096.47*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	1,472.88	370.49
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	1,780.39	493.98
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	1,952.02	447.71
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	3,050.77	484.68
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	3,880.93	671.82
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	6,043.57	926.21
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	8,984.10	1,389.32
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	12,346.74	1,945.05
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	15,115.56	2,324.75

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	775.80	140.87
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,189.94	158.49
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,652.41	193.70
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,697.83	211.31
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,966.23	228.92
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,357.05	246.52
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,662.37	176.09
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,814.42	211.31
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,132.37	228.92
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,502.79	246.52

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	774.83	72.45
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,103.61	102.91
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,469.87	123.49
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,385.18	205.83
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	3,500.74	288.16

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0002	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	963.61	69.08
33 34 53 13-0003	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,170.01	94.20

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	3,438.01	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	2,361.98	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	2,269.90	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0137 for polyethylene drain pipe.

33 41 16 13-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16 13)*

Note: Includes fittings, couplings, elbows, etc.

33 41 16 13-0002	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	5.84	3.54
33 41 16 13-0003	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.20	4.25
33 41 16 13-0004	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.69	5.31
33 41 16 13-0005	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	20.83	6.07
33 41 16 13-0006	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.85	7.09
33 41 16 13-0007	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	45.12	8.50

33 41 16 13-0008 Perforated Non Reinforced Concrete Drainage Piping, C444 *(33 41 16 13)*

33 41 16 13-0009	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	24.79	9.43
		For Extra Strength, Add	*1.33*	
		For >1,000, Deduct	*-1.24*	
33 41 16 13-0010	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	28.91	10.48
		For Extra Strength, Add	*1.64*	
		For >1,000, Deduct	*-1.45*	
33 41 16 13-0011	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	32.69	11.53
		For Extra Strength, Add	*1.91*	
		For >1,000, Deduct	*-1.63*	
33 41 16 13-0012	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	38.30	12.58
		For Extra Strength, Add	*2.39*	
		For >1,000, Deduct	*-1.92*	

33 41 16 13-0013 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 41 16 13-0014	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	20.67	9.43
		For >1,000, Deduct	*-1.03*	
33 41 16 13-0015	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	22.87	10.48
		For >1,000, Deduct	*-1.14*	
33 41 16 13-0016	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	25.23	11.53
		For >1,000, Deduct	*-1.26*	
33 41 16 13-0017	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	28.76	11.98
		For >1,000, Deduct	*-1.44*	
33 41 16 13-0018	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	33.36	13.48
		For >1,000, Deduct	*-1.67*	
33 41 16 13-0019	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	41.29	17.22
		For >1,000, Deduct	*-2.06*	
33 41 16 13-0020	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	51.60	22.09
		For >1,000, Deduct	*-2.58*	
33 41 16 13-0021	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	62.89	26.95
		For >1,000, Deduct	*-3.14*	

33 41 16 13-0022 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0023	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	19.31	9.43
		For >1,000, Deduct	*-0.97*	
33 41 16 13-0024	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	24.38	10.48
		For >1,000, Deduct	*-1.22*	
33 41 16 13-0025	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	30.68	11.53
		For >1,000, Deduct	*-1.53*	
33 41 16 13-0026	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	37.10	12.58
		For >1,000, Deduct	*-1.86*	
33 41 16 13-0027	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	42.45	14.00
		For >1,000, Deduct	*-2.12*	
33 41 16 13-0028	LF	18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	54.94	17.45
		For >1,000, Deduct	*-2.75*	

33 41 16 13-0029 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0030	LF	4" Perforated Vitrified Clay Drainage Pipe	21.40	10.48
33 41 16 13-0031	LF	6" Perforated Vitrified Clay Drainage Pipe	25.97	11.79
33 41 16 13-0032	LF	8" Perforated Vitrified Clay Drainage Pipe	30.54	11.79
33 41 16 13-0033	LF	10" Perforated Vitrified Clay Drainage Pipe	41.69	14.41
33 41 16 13-0034	LF	12" Perforated Vitrified Clay Drainage Pipe	50.31	15.72

33 41 16 13-0035 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0036	LF	3" Geotextile Filter Fabric Sock	0.56	
33 41 16 13-0037	LF	4" Geotextile Filter Fabric Sock	0.75	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0038	LF	6" Geotextile Filter Fabric Sock	1.14	
33 41 16 13-0039	LF	8" Geotextile Filter Fabric Sock	1.53	
33 41 16 13-0040	LF	10" Geotextile Filter Fabric Sock	2.23	
33 41 16 13-0041	LF	12" Geotextile Filter Fabric Sock	3.02	
33 41 16 13-0042	LF	15" Geotextile Filter Fabric Sock	3.57	

33 41 16 13-0043 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0044	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	16.37	4.49
		For Full Perforated, Add	*0.74*	
33 41 16 13-0045	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	20.64	5.44
		For Full Perforated, Add	*0.98*	
33 41 16 13-0046	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	26.04	6.91
		For Full Perforated, Add	*1.22*	
33 41 16 13-0047	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	29.11	8.17
		For Full Perforated, Add	*1.28*	
33 41 16 13-0048	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.97	8.45
		For Full Perforated, Add	*1.61*	
33 41 16 13-0049	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	36.93	8.77
		For Full Perforated, Add	*1.94*	
33 41 16 13-0050	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	42.00	9.46
		For Full Perforated, Add	*2.31*	

33 41 16 13-0051 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0052	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	17.56	4.49
		For Full Perforated, Add	*0.86*	
33 41 16 13-0053	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	22.25	5.44
		For Full Perforated, Add	*1.14*	
33 41 16 13-0054	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.01	6.91
		For Full Perforated, Add	*1.42*	
33 41 16 13-0055	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	31.02	8.17
		For Full Perforated, Add	*1.47*	
33 41 16 13-0056	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.34	8.45
		For Full Perforated, Add	*1.84*	
33 41 16 13-0057	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	39.73	8.77
		For Full Perforated, Add	*2.22*	
33 41 16 13-0058	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	45.27	9.46
		For Full Perforated, Add	*2.64*	

33 41 16 13-0059 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0060	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	17.95	4.49
		For Full Perforated, Add	*0.90*	
33 41 16 13-0061	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	22.74	5.44
		For Full Perforated, Add	*1.19*	
33 41 16 13-0062	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.64	6.91
		For Full Perforated, Add	*1.48*	
33 41 16 13-0063	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	35.74	8.17
		For Full Perforated, Add	*1.94*	
33 41 16 13-0064	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	41.21	8.45
		For Full Perforated, Add	*2.43*	
33 41 16 13-0065	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	46.86	8.77
		For Full Perforated, Add	*2.93*	
33 41 16 13-0066	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	53.57	9.46
		For Full Perforated, Add	*3.47*	

33 41 16 13-0067 Prefabricated Composite Drains *(33 41 16 13)*

33 41 16 13-0068 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0067)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0069	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	7.25	1.70
		For External Typar Geotextile Wrap, Add	*1.21*	
33 41 16 13-0070	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	32.30	
33 41 16 13-0071	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	32.30	
33 41 16 13-0072	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	60.31	
33 41 16 13-0073	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	60.31	
33 41 16 13-0074	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.36	2.12
		For External Typar Geotextile Wrap, Add	*1.81*	
33 41 16 13-0075	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	46.68	
33 41 16 13-0076	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	46.68	
33 41 16 13-0077	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	68.15	
33 41 16 13-0078	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	68.15	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0002		**Class 3 Reinforced Concrete Pipe Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	36.96	12.58
		For >1,000, Deduct	*-1.85*	
		For Class 4, Add	*1.80*	
		For Class 5, Add	*3.80*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	44.31	14.00
		For >1,000, Deduct	*-2.22*	
		For Class 4, Add	*2.31*	
		For Class 5, Add	*4.86*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	50.51	17.45
		For >1,000, Deduct	*-2.53*	
		For Class 4, Add	*2.43*	
		For Class 5, Add	*5.12*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	64.69	22.02
		For >1,000, Deduct	*-3.23*	
		For Class 4, Add	*3.16*	
		For Class 5, Add	*6.65*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.79	26.73
		For >1,000, Deduct	*-3.79*	
		For Class 4, Add	*3.57*	
		For Class 5, Add	*7.52*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	95.25	33.45
		For >1,000, Deduct	*-4.76*	
		For Class 4, Add	*4.51*	
		For Class 5, Add	*9.49*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	101.27	34.54
		For >1,000, Deduct	*-5.06*	
		For Class 4, Add	*4.88*	
		For Class 5, Add	*10.27*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	125.13	39.25
		For >1,000, Deduct	*-6.26*	
		For Class 4, Add	*6.61*	
		For Class 5, Add	*13.93*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	161.82	43.18
		For >1,000, Deduct	*-8.09*	
		For Class 4, Add	*9.57*	
		For Class 5, Add	*20.15*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	193.65	48.09
		For >1,000, Deduct	*-9.68*	
		For Class 4, Add	*11.87*	
		For Class 5, Add	*24.99*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	240.77	54.95
		For >1,000, Deduct	*-12.04*	
		For Class 4, Add	*15.42*	
		For Class 5, Add	*32.45*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	290.62	63.74
		For >1,000, Deduct	*-14.53*	
		For Class 4, Add	*18.96*	
		For Class 5, Add	*39.91*	
33 42 11 00-0015		**HE-I Elliptical Reinforced Concrete Piping Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0016	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	55.33	19.52
		For >1,000, Deduct	*-2.77*	
		For Horizontal Elliptical - II (HE- II), Add	*2.75*	
		For Horizontal Elliptical - III (HE- III), Add	*6.04*	
		For Horizontal Elliptical - IV (HE- IV), Add	*13.18*	
33 42 11 00-0017	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	88.50	23.21
		For >1,000, Deduct	*-4.43*	
		For Horizontal Elliptical - II (HE- II), Add	*5.53*	
		For Horizontal Elliptical - III (HE- III), Add	*12.17*	
		For Horizontal Elliptical - IV (HE- IV), Add	*26.56*	
33 42 11 00-0018	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	123.19	35.55
		For >1,000, Deduct	*-6.16*	
		For Horizontal Elliptical - II (HE- II), Add	*7.24*	
		For Horizontal Elliptical - III (HE- III), Add	*15.93*	
		For Horizontal Elliptical - IV (HE- IV), Add	*34.75*	
33 42 11 00-0019	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	144.50	44.49
		For >1,000, Deduct	*-7.23*	
		For Horizontal Elliptical - II (HE- II), Add	*8.09*	
		For Horizontal Elliptical - III (HE- III), Add	*17.81*	
		For Horizontal Elliptical - IV (HE- IV), Add	*38.85*	
33 42 11 00-0020	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	153.33	46.48
		For >1,000, Deduct	*-7.67*	
		For Horizontal Elliptical - II (HE- II), Add	*8.69*	
		For Horizontal Elliptical - III (HE- III), Add	*19.12*	
		For Horizontal Elliptical - IV (HE- IV), Add	*41.73*	
33 42 11 00-0021	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	175.82	49.08
		For >1,000, Deduct	*-8.79*	
		For Horizontal Elliptical - II (HE- II), Add	*10.57*	
		For Horizontal Elliptical - III (HE- III), Add	*23.26*	
		For Horizontal Elliptical - IV (HE- IV), Add	*50.74*	
33 42 11 00-0022	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	198.30	51.67
		For >1,000, Deduct	*-9.92*	
		For Horizontal Elliptical - II (HE- II), Add	*12.45*	
		For Horizontal Elliptical - III (HE- III), Add	*27.39*	
		For Horizontal Elliptical - IV (HE- IV), Add	*59.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0023	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	241.37	56.86
		For >1,000, Deduct	*-12.07*	
		For Horizontal Elliptical - II (HE- II), Add	*16.02*	
		For Horizontal Elliptical - III (HE- III), Add	*35.23*	
		For Horizontal Elliptical - IV (HE- IV), Add	*76.87*	
33 42 11 00-0024	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	290.60	63.95
		For >1,000, Deduct	*-14.53*	
		For Horizontal Elliptical - II (HE- II), Add	*19.93*	
		For Horizontal Elliptical - III (HE- III), Add	*43.84*	
		For Horizontal Elliptical - IV (HE- IV), Add	*95.64*	
33 42 11 00-0025	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	330.83	73.09
		For >1,000, Deduct	*-16.54*	
		For Horizontal Elliptical - II (HE- II), Add	*22.64*	
		For Horizontal Elliptical - III (HE- III), Add	*49.81*	
		For Horizontal Elliptical - IV (HE- IV), Add	*108.68*	
33 42 11 00-0026	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	409.42	84.78
		For >1,000, Deduct	*-20.47*	
		For Horizontal Elliptical - II (HE- II), Add	*28.83*	
		For Horizontal Elliptical - III (HE- III), Add	*63.43*	
		For Horizontal Elliptical - IV (HE- IV), Add	*138.39*	
33 42 11 00-0027	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	467.13	93.42
33 42 11 00-0028	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	565.97	102.05
33 42 11 00-0029	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	675.73	115.40
33 42 11 00-0030	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	731.67	127.96
33 42 11 00-0031	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	935.64	134.24
33 42 11 00-0032	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,083.64	140.52
33 42 11 00-0033		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0034	EA	12" Concrete Reducing Wye Without Gaskets	443.91	47.92
33 42 11 00-0035	EA	15" Concrete Reducing Wye Without Gaskets	532.42	58.40
33 42 11 00-0036	EA	18" Concrete Reducing Wye Without Gaskets	657.44	64.39
33 42 11 00-0037	EA	21" Concrete Reducing Wye Without Gaskets	754.88	79.36
33 42 11 00-0038	EA	24" Concrete Reducing Wye Without Gaskets	853.48	95.83
33 42 11 00-0039		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0040	EA	12" Diameter Concrete Pipe Joint Gasket	4.21	
33 42 11 00-0041	EA	15" Diameter Concrete Pipe Joint Gasket	4.98	
33 42 11 00-0042	EA	18" Diameter Concrete Pipe Joint Gasket	5.77	
33 42 11 00-0043	EA	21" Diameter Concrete Pipe Joint Gasket	6.98	
33 42 11 00-0044	EA	24" Diameter Concrete Pipe Joint Gasket	8.17	
33 42 11 00-0045	EA	27" Diameter Concrete Pipe Joint Gasket	9.11	
33 42 11 00-0046	EA	30" Diameter Concrete Pipe Joint Gasket	10.01	
33 42 11 00-0047	EA	36" Diameter Concrete Pipe Joint Gasket	12.22	
33 42 11 00-0048	EA	42" Diameter Concrete Pipe Joint Gasket	14.17	
33 42 11 00-0049	EA	48" Diameter Concrete Pipe Joint Gasket	16.35	
33 42 11 00-0050	EA	54" Diameter Concrete Pipe Joint Gasket	20.04	
33 42 11 00-0051	EA	60" Diameter Concrete Pipe Joint Gasket	29.66	
33 42 11 00-0052		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
33 42 11 00-0053		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0052)*		
33 42 11 00-0054		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0053)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0055	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	99.78	12.58
		For >1,000, Deduct	*-4.99*	
		For 100 PSI, Deduct	*-20.45*	
33 42 11 00-0056	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	106.53	14.00
		For >1,000, Deduct	*-5.33*	
		For 100 PSI, Deduct	*-21.64*	
33 42 11 00-0057	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	116.21	17.45
		For >1,000, Deduct	*-5.81*	
		For 100 PSI, Deduct	*-22.82*	
33 42 11 00-0058	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	127.46	22.02
		For >1,000, Deduct	*-6.37*	
		For 100 PSI, Deduct	*-24.00*	
33 42 11 00-0059	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	138.93	26.73
		For >1,000, Deduct	*-6.95*	
		For 100 PSI, Deduct	*-25.19*	
33 42 11 00-0060	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	162.74	34.54
		For >1,000, Deduct	*-8.14*	
		For 100 PSI, Deduct	*-28.20*	
33 42 11 00-0061	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	180.36	39.25
		For >1,000, Deduct	*-9.02*	
		For 100 PSI, Deduct	*-31.22*	
33 42 11 00-0062	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	209.18	43.18
		For >1,000, Deduct	*-10.46*	
		For 100 PSI, Deduct	*-37.03*	
33 42 11 00-0063	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	240.04	48.09
		For >1,000, Deduct	*-12.00*	
		For 100 PSI, Deduct	*-42.84*	
33 42 11 00-0064	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	316.87	61.46
		For >1,000, Deduct	*-15.84*	
		For 100 PSI, Deduct	*-57.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0065	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	381.71	71.30
		For >1,000, Deduct	*-19.09*	
		For 100 PSI, Deduct	*-69.97*	
33 42 11 00-0066		**150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets** *(33 42 11 00-0053)*		
33 42 11 00-0067	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	345.64	117.93
33 42 11 00-0068	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	479.01	168.47
33 42 11 00-0069	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	617.16	224.62
33 42 11 00-0070	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	755.30	280.77
33 42 11 00-0071	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	918.14	348.91
33 42 11 00-0072	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,174.41	467.95
33 42 11 00-0073	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,443.24	549.51
33 42 11 00-0074	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,680.97	641.35
33 42 11 00-0075	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,893.76	732.41
33 42 11 00-0076	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,331.20	914.54
33 42 11 00-0077	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,034.23	1,229.21
33 42 11 00-0078		**150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets** *(33 42 11 00-0053)*		
33 42 11 00-0079	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	323.68	117.93
33 42 11 00-0080	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	450.60	168.47
33 42 11 00-0081	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	583.57	224.62
33 42 11 00-0082	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	716.55	280.77
33 42 11 00-0083	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	874.22	348.91
33 42 11 00-0084	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,114.13	436.51
33 42 11 00-0085	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,374.35	549.51
33 42 11 00-0086	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,601.31	641.35
33 42 11 00-0087	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,808.08	732.41
33 42 11 00-0088	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,207.22	914.54
33 42 11 00-0089	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,918.26	1,229.21
33 42 11 00-0090		**400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0052)*		
33 42 11 00-0091		**400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0090)*		
		Note: AWWA C301		
33 42 11 00-0092	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	191.05	34.54
		For >1,000, Deduct	*-9.55*	
33 42 11 00-0093	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	232.65	39.25
		For >1,000, Deduct	*-11.63*	
33 42 11 00-0094	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	271.26	43.18
		For >1,000, Deduct	*-13.56*	
33 42 11 00-0095		**400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0090)*		
		Note: AWWA C301		
33 42 11 00-0096	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	364.73	48.04
		For >1,000, Deduct	*-18.24*	
33 42 11 00-0097	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	436.55	61.46
		For >1,000, Deduct	*-21.83*	
33 42 11 00-0098	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	503.27	71.30
		For >1,000, Deduct	*-25.16*	
33 42 11 00-0099		**Welded Joints For Prestressed Concrete Cylinder Pipe** *(33 42 11 00-0090)*		
		Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0100	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	1,342.77	
33 42 11 00-0101	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	1,442.23	
33 42 11 00-0102	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	1,491.96	
33 42 11 00-0103	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	1,690.89	
33 42 11 00-0104	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	1,740.62	
33 42 11 00-0105	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	1,840.09	
33 42 11 00-0106		**Quick Test Joints** *(33 42 11 00-0090)*		
33 42 11 00-0107	EA	30" Quick Test Joint	367.35	
33 42 11 00-0108	EA	36" Quick Test Joint	371.28	
33 42 11 00-0109	EA	42" Quick Test Joint	375.20	
33 42 11 00-0110	EA	48" Quick Test Joint	383.32	
33 42 11 00-0111	EA	54" Quick Test Joint	402.14	
33 42 11 00-0112	EA	60" Quick Test Joint	417.90	
33 42 11 00-0113		**Harnessed Joints** *(33 42 11 00-0090)*		
33 42 11 00-0114		**Harness Clamp Restrained Joints** *(33 42 11 00-0113)*		
33 42 11 00-0115	EA	30" Harness Clamp Restrained Joint	2,851.39	
33 42 11 00-0116	EA	36" Harness Clamp Restrained Joint	2,962.57	
33 42 11 00-0117	EA	42" Harness Clamp Restrained Joint	3,073.75	
33 42 11 00-0118	EA	48" Harness Clamp Restrained Joint	3,184.93	
33 42 11 00-0119	EA	54" Harness Clamp Restrained Joint	3,305.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0120	EA	60" Harness Clamp Restrained Joint	3,475.06	

33 42 11 00-0121 Snap Ring Restrained Joints *(33 42 11 00-0113)*

33 42 11 00-0122	EA	30" Snap Ring Restrained Joint	491.81	
33 42 11 00-0123	EA	36" Snap Ring Restrained Joint	560.10	
33 42 11 00-0124	EA	42" Snap Ring Restrained Joint	746.35	
33 42 11 00-0125	EA	48" Snap Ring Restrained Joint	846.80	
33 42 11 00-0126	EA	54" Snap Ring Restrained Joint	956.56	
33 42 11 00-0127	EA	60" Snap Ring Restrained Joint	1,083.31	

33 42 11 00-0128 Pipe Repairs *(33 42 11 00-0090)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0129 Lined Cylinder Pipe Repair *(33 42 11 00-0128)*

33 42 11 00-0130	EA	30" Lined Cylinder Pipe Repair	5,085.78	
33 42 11 00-0131	EA	36" Lined Cylinder Pipe Repair	6,307.28	
33 42 11 00-0132	EA	42" Lined Cylinder Pipe Repair	7,343.29	

33 42 11 00-0133 Embedded Cylinder Pipe Repair *(33 42 11 00-0128)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0134	EA	48" Embedded Cylinder Pipe Repair	10,932.32	
33 42 11 00-0135	EA	54" Embedded Cylinder Pipe Repair	12,695.20	
33 42 11 00-0136	EA	60" Embedded Cylinder Pipe Repair	14,471.19	

33 42 11 00-0137 High Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

33 42 11 00-0138 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0139 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0138)*

33 42 11 00-0140	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.47	5.12
		For >1,000, Deduct	*-0.57*	
33 42 11 00-0141	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.03	5.95
		For >1,000, Deduct	*-0.75*	
33 42 11 00-0142	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.52	6.92
		For >1,000, Deduct	*-0.93*	
33 42 11 00-0143	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.08	7.17
		For >1,000, Deduct	*-1.05*	
33 42 11 00-0144	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.16	7.42
		For >1,000, Deduct	*-1.11*	
33 42 11 00-0145	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.18	7.68
		For >1,000, Deduct	*-1.26*	
33 42 11 00-0146	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.57	7.97
		For >1,000, Deduct	*-1.53*	
33 42 11 00-0147	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	41.98	9.32
		For >1,000, Deduct	*-2.10*	
33 42 11 00-0148	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	59.57	12.55
		For >1,000, Deduct	*-2.98*	
33 42 11 00-0149	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	78.32	15.87
		For >1,000, Deduct	*-3.92*	

33 42 11 00-0150 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0138)*

33 42 11 00-0151	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.03	7.42
		For >1,000, Deduct	*-1.10*	
33 42 11 00-0152	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.70	7.68
		For >1,000, Deduct	*-1.29*	
33 42 11 00-0153	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.34	7.97
		For >1,000, Deduct	*-1.57*	
33 42 11 00-0154	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	43.20	9.32
		For >1,000, Deduct	*-2.16*	
33 42 11 00-0155	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	62.93	12.55
		For >1,000, Deduct	*-3.15*	
33 42 11 00-0156	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	80.82	15.87
		For >1,000, Deduct	*-4.04*	
33 42 11 00-0157	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	105.48	17.31
		For >1,000, Deduct	*-5.27*	
33 42 11 00-0158	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	115.01	19.53
		For >1,000, Deduct	*-5.75*	

33 42 11 00-0159 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0160 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0159)*

33 42 11 00-0161	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.99	5.12
		For >1,000, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0162	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.59	5.95
		For >1,000, Deduct	*-0.68*	
33 42 11 00-0163	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.82	6.92
		For >1,000, Deduct	*-0.84*	
33 42 11 00-0164	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.83	7.17
		For >1,000, Deduct	*-0.99*	
33 42 11 00-0165	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.69	7.42
		For >1,000, Deduct	*-1.08*	
33 42 11 00-0166	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.33	7.68
		For >1,000, Deduct	*-1.27*	
33 42 11 00-0167	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.54	7.97
		For >1,000, Deduct	*-1.58*	
33 42 11 00-0168	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	43.03	9.32
		For >1,000, Deduct	*-2.15*	

33 42 11 00-0169 Perforated, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0170 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0169)*

33 42 11 00-0171	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.11	5.12
		For >1,000, Deduct	*-0.61*	
33 42 11 00-0172	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.05	5.95
		For >1,000, Deduct	*-0.75*	
33 42 11 00-0173	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.52	6.92
		For >1,000, Deduct	*-0.93*	
33 42 11 00-0174	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.10	7.17
		For >1,000, Deduct	*-1.06*	
33 42 11 00-0175	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.16	7.42
		For >1,000, Deduct	*-1.11*	
33 42 11 00-0176	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.20	7.68
		For >1,000, Deduct	*-1.26*	
33 42 11 00-0177	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.59	7.97
		For >1,000, Deduct	*-1.53*	
33 42 11 00-0178	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	41.98	9.32
		For >1,000, Deduct	*-2.10*	
33 42 11 00-0179	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	59.79	12.55
		For >1,000, Deduct	*-2.99*	
33 42 11 00-0180	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	78.32	15.87
		For >1,000, Deduct	*-3.92*	

33 42 11 00-0181 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0169)*

33 42 11 00-0182	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.06	7.42
		For >1,000, Deduct	*-1.10*	
33 42 11 00-0183	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.72	7.68
		For >1,000, Deduct	*-1.29*	
33 42 11 00-0184	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.36	7.97
		For >1,000, Deduct	*-1.57*	
33 42 11 00-0185	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	43.20	9.32
		For >1,000, Deduct	*-2.16*	
33 42 11 00-0186	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	62.93	12.55
		For >1,000, Deduct	*-3.15*	
33 42 11 00-0187	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	80.82	15.87
		For >1,000, Deduct	*-4.04*	
33 42 11 00-0188	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	105.48	17.31
		For >1,000, Deduct	*-5.27*	
33 42 11 00-0189	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	115.01	19.53
		For >1,000, Deduct	*-5.75*	

33 42 11 00-0190 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0169)*

33 42 11 00-0191	LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.40	5.12
		For >1,000, Deduct	*-0.57*	
33 42 11 00-0192	LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.59	5.95
		For >1,000, Deduct	*-0.68*	
33 42 11 00-0193	LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.74	6.92
		For >1,000, Deduct	*-0.84*	
33 42 11 00-0194	LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.83	7.17
		For >1,000, Deduct	*-0.99*	
33 42 11 00-0195	LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.69	7.42
		For >1,000, Deduct	*-1.08*	
33 42 11 00-0196	LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.33	7.68
		For >1,000, Deduct	*-1.27*	
33 42 11 00-0197	LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.54	7.97
		For >1,000, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0198	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	43.03	9.32
		For >1,000, Deduct	*-2.15*	

33 42 11 00-0199 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0200 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0199)*

33 42 11 00-0201	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	46.90	17.20
33 42 11 00-0202	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	58.99	20.07
33 42 11 00-0203	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	95.60	24.38
33 42 11 00-0204	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	146.15	30.11
33 42 11 00-0205	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	231.13	35.85
33 42 11 00-0206	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	326.37	46.84
33 42 11 00-0207	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	469.57	63.08
33 42 11 00-0208	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	602.22	72.01
33 42 11 00-0209	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,054.16	83.16
33 42 11 00-0210	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,354.35	96.06
33 42 11 00-0211	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,256.72	114.70
33 42 11 00-0212	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,832.89	136.21

33 42 11 00-0213 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0199)*

33 42 11 00-0214	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	69.09	17.20
33 42 11 00-0215	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	83.34	20.07
33 42 11 00-0216	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	110.97	24.38
33 42 11 00-0217	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	163.09	30.11
33 42 11 00-0218	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	285.65	35.85
33 42 11 00-0219	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	309.65	46.84
33 42 11 00-0220	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	437.03	63.08

33 42 11 00-0221 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0199)*

33 42 11 00-0222	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	28.47	11.47
33 42 11 00-0223	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	35.17	13.39
33 42 11 00-0224	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	51.43	16.25
33 42 11 00-0225	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	64.75	20.07
33 42 11 00-0226	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	94.13	23.89
33 42 11 00-0227	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	148.97	30.59
33 42 11 00-0228	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	197.37	42.06
33 42 11 00-0229	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	375.75	47.79
33 42 11 00-0230	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	522.51	55.43
33 42 11 00-0231	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	612.34	64.04
33 42 11 00-0232	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	782.74	76.47
33 42 11 00-0233	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,058.63	90.81

33 42 11 00-0234 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0199)*

33 42 11 00-0235	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	30.90	11.47
33 42 11 00-0236	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	40.22	13.39
33 42 11 00-0237	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	54.02	16.25
33 42 11 00-0238	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	85.75	20.07
33 42 11 00-0239	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	94.13	23.89
33 42 11 00-0240	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	148.55	30.59
33 42 11 00-0241	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	231.24	42.06
33 42 11 00-0242	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	401.92	47.79
33 42 11 00-0243	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	523.75	55.43
33 42 11 00-0244	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	668.74	64.04
33 42 11 00-0245	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,000.43	76.47
33 42 11 00-0246	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,253.74	90.81

33 42 11 00-0247 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0137)*

Note: Excludes couplings and gaskets.

33 42 11 00-0248 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0247)*

33 42 11 00-0249	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	31.96	17.20
33 42 11 00-0250	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	38.02	20.07
33 42 11 00-0251	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	61.93	24.38
33 42 11 00-0252	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	79.54	30.11
33 42 11 00-0253	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	118.34	35.85
33 42 11 00-0254	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	257.85	46.84
33 42 11 00-0255	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	308.14	63.08
33 42 11 00-0256	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	584.35	71.69

33 42 11 00-0257 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0247)*

33 42 11 00-0258	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	32.88	17.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0259	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	41.02	20.07
33 42 11 00-0260	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	93.35	24.38
33 42 11 00-0261		**45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)** *(33 42 11 00-0247)*		
33 42 11 00-0262	EA	4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	21.61	11.47
33 42 11 00-0263		**90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)** *(33 42 11 00-0247)*		
33 42 11 00-0264	EA	4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	22.57	11.47
33 42 11 00-0265	EA	6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	29.22	13.39
33 42 11 00-0266	EA	8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	43.53	16.25
33 42 11 00-0267	EA	10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	57.41	20.07
33 42 11 00-0268		**Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0137)*		
		Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0269		**Couplings, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0268)*		
33 42 11 00-0270	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.45	
33 42 11 00-0271	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.60	
33 42 11 00-0272	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.00	
33 42 11 00-0273	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.92	
33 42 11 00-0274	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.29	
33 42 11 00-0275	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.53	
33 42 11 00-0276	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.14	
33 42 11 00-0277	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	17.74	
33 42 11 00-0278	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	27.23	
33 42 11 00-0279	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	35.63	
33 42 11 00-0280	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	56.01	
33 42 11 00-0281	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	75.76	
33 42 11 00-0282		**Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0268)*		
33 42 11 00-0283	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	76.71	
33 42 11 00-0284	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	80.32	
33 42 11 00-0285	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	84.10	
33 42 11 00-0286	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	88.05	
33 42 11 00-0287	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	104.43	
33 42 11 00-0288	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	107.82	
33 42 11 00-0289	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	112.46	
33 42 11 00-0290	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	128.10	
33 42 11 00-0291	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	205.35	
33 42 11 00-0292	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	224.92	
33 42 11 00-0293	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	245.07	
33 42 11 00-0294	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	297.64	
33 42 11 00-0295		**End Caps, Corrugated High Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0268)*		
33 42 11 00-0296	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	22.24	
33 42 11 00-0297	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	25.79	
33 42 11 00-0298	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	39.91	
33 42 11 00-0299	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	65.69	
33 42 11 00-0300	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	76.07	
33 42 11 00-0301	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	101.76	
33 42 11 00-0302	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	105.91	
33 42 11 00-0303		**Vitrified Clay Piping** *(33 42 11)*		
33 42 11 00-0304		**Extra Strength Vitrified Clay Piping** *(33 42 11 00-0303)*		
33 42 11 00-0305		**Plain Joint, Extra Strength, Vitrified Clay Piping** *(33 42 11 00-0304)*		
		Note: ASTM C700.		
33 42 11 00-0306	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	17.31	
		For 3' Lengths, Add	*1.95*	
		For 2' Lengths, Add	*2.60*	
		For Standard Strength, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.87*	
33 42 11 00-0307	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	28.52	
		For 3' Lengths, Add	*3.02*	
		For 2' Lengths, Add	*4.03*	
		For Standard Strength, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.43*	
33 42 11 00-0308	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	34.88	
		For 3' Lengths, Add	*4.32*	
		For 2' Lengths, Add	*5.76*	
		For Standard Strength, Deduct	*-1.44*	
		For >1,000, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0309	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	43.36	
		For 3' Lengths, Add	*6.62*	
		For 2' Lengths, Add	*8.82*	
		For Standard Strength, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.17*	
33 42 11 00-0310	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	54.38	
		For 3' Lengths, Add	*9.34*	
		For 2' Lengths, Add	*12.46*	
		For Standard Strength, Deduct	*-3.11*	
		For >1,000, Deduct	*-2.72*	
33 42 11 00-0311	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	84.26	
		For 3' Lengths, Add	*17.52*	
		For 2' Lengths, Add	*23.36*	
		For Standard Strength, Deduct	*-5.84*	
		For >1,000, Deduct	*-4.21*	
33 42 11 00-0312	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	115.95	
		For 3' Lengths, Add	*25.11*	
		For 2' Lengths, Add	*33.48*	
		For Standard Strength, Deduct	*-8.37*	
		For >1,000, Deduct	*-5.80*	
33 42 11 00-0313	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	174.76	
		For 3' Lengths, Add	*40.23*	
		For 2' Lengths, Add	*53.64*	
		For Standard Strength, Deduct	*-13.41*	
		For >1,000, Deduct	*-8.74*	
33 42 11 00-0314	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	224.57	
		For 3' Lengths, Add	*52.56*	
		For 2' Lengths, Add	*70.08*	
		For Standard Strength, Deduct	*-17.52*	
		For >1,000, Deduct	*-11.23*	
33 42 11 00-0315	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	278.41	
		For 3' Lengths, Add	*65.53*	
		For 2' Lengths, Add	*87.38*	
		For Standard Strength, Deduct	*-21.84*	
		For >1,000, Deduct	*-13.92*	
33 42 11 00-0316	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	336.67	
		For 3' Lengths, Add	*79.16*	
		For 2' Lengths, Add	*105.54*	
		For Standard Strength, Deduct	*-26.39*	
		For >1,000, Deduct	*-16.83*	

33 42 11 00-0317 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0304)*

Note: ASTM C425.

33 42 11 00-0318	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	24.04	
		For 3' Lengths, Add	*2.30*	
		For 2' Lengths, Add	*3.06*	
		For Standard Strength, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.20*	
33 42 11 00-0319	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	30.94	
		For 3' Lengths, Add	*3.75*	
		For 2' Lengths, Add	*5.00*	
		For Standard Strength, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.55*	
33 42 11 00-0320	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	38.13	
		For 3' Lengths, Add	*5.30*	
		For 2' Lengths, Add	*7.06*	
		For Standard Strength, Deduct	*-1.77*	
		For >1,000, Deduct	*-1.91*	
33 42 11 00-0321	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	50.28	
		For 3' Lengths, Add	*8.69*	
		For 2' Lengths, Add	*11.59*	
		For Standard Strength, Deduct	*-2.90*	
		For >1,000, Deduct	*-2.51*	
33 42 11 00-0322	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	61.30	
		For 3' Lengths, Add	*11.42*	
		For 2' Lengths, Add	*15.22*	
		For Standard Strength, Deduct	*-3.81*	
		For >1,000, Deduct	*-3.07*	
33 42 11 00-0323	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	95.29	
		For 3' Lengths, Add	*20.83*	
		For 2' Lengths, Add	*27.77*	
		For Standard Strength, Deduct	*-6.94*	
		For >1,000, Deduct	*-4.76*	
33 42 11 00-0324	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	133.90	
		For 3' Lengths, Add	*30.50*	
		For 2' Lengths, Add	*40.66*	
		For Standard Strength, Deduct	*-10.17*	
		For >1,000, Deduct	*-6.70*	
33 42 11 00-0325	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	195.31	
		For 3' Lengths, Add	*46.39*	
		For 2' Lengths, Add	*61.86*	
		For Standard Strength, Deduct	*-15.46*	
		For >1,000, Deduct	*-9.77*	
33 42 11 00-0326	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	257.01	
		For 3' Lengths, Add	*62.29*	
		For 2' Lengths, Add	*83.05*	
		For Standard Strength, Deduct	*-20.76*	
		For >1,000, Deduct	*-12.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0327	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	421.15	
		For 3' Lengths, Add	*108.35*	
		For 2' Lengths, Add	*144.47*	
		For Standard Strength, Deduct	*-36.12*	
		For >1,000, Deduct	*-21.06*	
33 42 11 00-0328	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	604.85	
		For 3' Lengths, Add	*159.61*	
		For 2' Lengths, Add	*212.82*	
		For Standard Strength, Deduct	*-53.20*	
		For >1,000, Deduct	*-30.24*	

33 42 11 00-0329 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0303)*

33 42 11 00-0330 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0329)*

33 42 11 00-0331 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0330)*

33 42 11 00-0332	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	78.76
33 42 11 00-0333	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	108.70
33 42 11 00-0334	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	160.36
33 42 11 00-0335	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	226.84
33 42 11 00-0336	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	304.52
33 42 11 00-0337	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	762.78
33 42 11 00-0338	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,080.91
33 42 11 00-0339	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,698.06
33 42 11 00-0340	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,956.88
33 42 11 00-0341	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,267.33
33 42 11 00-0342	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,430.10

33 42 11 00-0343 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0330)*

33 42 11 00-0344	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	87.91
33 42 11 00-0345	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	129.19
33 42 11 00-0346	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	179.30
33 42 11 00-0347	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	247.08
33 42 11 00-0348	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	317.84
33 42 11 00-0349	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	853.28
33 42 11 00-0350	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,249.04
33 42 11 00-0351	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,273.30
33 42 11 00-0352	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,510.79
33 42 11 00-0353	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,786.81
33 42 11 00-0354	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,171.55

33 42 11 00-0355 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0329)*

33 42 11 00-0356 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0355)*

33 42 11 00-0357	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	89.57
33 42 11 00-0358	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	121.73
33 42 11 00-0359	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	175.61
33 42 11 00-0360	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	243.35
33 42 11 00-0361	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	323.11
33 42 11 00-0362	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	783.47
33 42 11 00-0363	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,106.71
33 42 11 00-0364	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,730.60
33 42 11 00-0365	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,996.38
33 42 11 00-0366	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,316.59
33 42 11 00-0367	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,484.87

33 42 11 00-0368 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0355)*

33 42 11 00-0369	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	100.89
33 42 11 00-0370	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	144.83
33 42 11 00-0371	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	197.59
33 42 11 00-0372	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	266.87
33 42 11 00-0373	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	340.15
33 42 11 00-0374	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	878.09
33 42 11 00-0375	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,279.99
33 42 11 00-0376	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,524.74
33 42 11 00-0377	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,558.20
33 42 11 00-0378	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,845.93
33 42 11 00-0379	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,237.26

33 42 11 00-0380 Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0329)*

33 42 11 00-0381 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0380)*

33 42 11 00-0382	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	95.24
33 42 11 00-0383	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	126.98
33 42 11 00-0384	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	178.56
33 42 11 00-0385	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	244.59
33 42 11 00-0386	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	314.76
33 42 11 00-0387	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	781.61
33 42 11 00-0388	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,101.49
33 42 11 00-0389	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,603.08
33 42 11 00-0390	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,244.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0391	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,357.72	
33 42 11 00-0392	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,430.25	
33 42 11 00-0393		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0380)*		
33 42 11 00-0394	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	116.92	
33 42 11 00-0395	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	165.60	
33 42 11 00-0396	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	223.65	
33 42 11 00-0397	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	298.41	
33 42 11 00-0398	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	378.14	
33 42 11 00-0399	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	951.60	
33 42 11 00-0400	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,383.22	
33 42 11 00-0401	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,070.47	
33 42 11 00-0402	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,753.65	
33 42 11 00-0403	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,174.77	
33 42 11 00-0404	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,551.37	
33 42 11 00-0405		Corrugated Metal Piping *(33 42 11)*		
33 42 11 00-0406		Galvanized Corrugated Steel Piping *(33 42 11 00-0405)*		
33 42 11 00-0407		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0406)*		
33 42 11 00-0408		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0407)*		
33 42 11 00-0409	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	27.61	7.86
		For Bituminous Coated Pipe, Add	*2.73*	
		For Bituminous Coated And 25% Paved, Add	*5.58*	
		For Smooth-Flo, Add	*9.97*	
33 42 11 00-0410	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	31.11	8.24
		For Bituminous Coated Pipe, Add	*3.44*	
		For Bituminous Coated And 25% Paved, Add	*7.03*	
		For Smooth-Flo, Add	*12.55*	
33 42 11 00-0411	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	34.73	8.98
		For Bituminous Coated Pipe, Add	*4.16*	
		For Bituminous Coated And 25% Paved, Add	*8.51*	
		For Smooth-Flo, Add	*15.20*	
33 42 11 00-0412	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	39.49	9.73
		For Bituminous Coated Pipe, Add	*4.98*	
		For Bituminous Coated And 25% Paved, Add	*10.19*	
		For Smooth-Flo, Add	*18.19*	
33 42 11 00-0413	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	43.69	10.48
		For Bituminous Coated Pipe, Add	*5.60*	
		For Bituminous Coated And 25% Paved, Add	*11.46*	
		For Smooth-Flo, Add	*20.46*	
33 42 11 00-0414	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	57.69	13.48
		For Bituminous Coated Pipe, Add	*7.27*	
		For Bituminous Coated And 25% Paved, Add	*14.87*	
		For Smooth-Flo, Add	*26.56*	
33 42 11 00-0415	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	74.53	17.27
		For Bituminous Coated Pipe, Add	*9.17*	
		For Bituminous Coated And 25% Paved, Add	*18.76*	
		For Smooth-Flo, Add	*33.49*	
33 42 11 00-0416	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	84.80	20.41
		For Bituminous Coated Pipe, Add	*10.85*	
		For Bituminous Coated And 25% Paved, Add	*22.20*	
		For Smooth-Flo, Add	*39.64*	
33 42 11 00-0417	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.31	23.55
		For Bituminous Coated Pipe, Add	*12.15*	
		For Bituminous Coated And 25% Paved, Add	*24.86*	
		For Smooth-Flo, Add	*44.39*	
33 42 11 00-0418		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0407)*		
33 42 11 00-0419	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	30.05	7.86
		For Bituminous Coated Pipe, Add	*2.77*	
		For Bituminous Coated And 25% Paved, Add	*6.42*	
		For Smooth-Flo, Add	*12.98*	
33 42 11 00-0420	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	34.11	8.24
		For Bituminous Coated Pipe, Add	*3.47*	
		For Bituminous Coated And 25% Paved, Add	*8.05*	
		For Smooth-Flo, Add	*16.27*	
33 42 11 00-0421	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.36	8.98
		For Bituminous Coated Pipe, Add	*4.21*	
		For Bituminous Coated And 25% Paved, Add	*9.75*	
		For Smooth-Flo, Add	*19.71*	
33 42 11 00-0422	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	43.68	9.73
		For Bituminous Coated Pipe, Add	*5.00*	
		For Bituminous Coated And 25% Paved, Add	*11.59*	
		For Smooth-Flo, Add	*23.43*	
33 42 11 00-0423	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.57	10.48
		For Bituminous Coated Pipe, Add	*5.66*	
		For Bituminous Coated And 25% Paved, Add	*13.12*	
		For Smooth-Flo, Add	*26.52*	
33 42 11 00-0424	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	63.64	13.48
		For Bituminous Coated Pipe, Add	*7.27*	
		For Bituminous Coated And 25% Paved, Add	*16.84*	
		For Smooth-Flo, Add	*34.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0425	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	81.76	17.27
		For Bituminous Coated Pipe, Add	*9.11*	
		For Bituminous Coated And 25% Paved, Add	*21.12*	
		For Smooth-Flo, Add	*42.68*	
33 42 11 00-0426	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	93.07	20.41
		For Bituminous Coated Pipe, Add	*10.73*	
		For Bituminous Coated And 25% Paved, Add	*24.86*	
		For Smooth-Flo, Add	*50.24*	
33 42 11 00-0427	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	104.78	23.55
		For Bituminous Coated Pipe, Add	*12.06*	
		For Bituminous Coated And 25% Paved, Add	*27.93*	
		For Smooth-Flo, Add	*56.47*	
33 42 11 00-0428	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	125.12	26.69
		For Bituminous Coated Pipe, Add	*14.83*	
		For Bituminous Coated And 25% Paved, Add	*34.35*	
		For Smooth-Flo, Add	*69.44*	
33 42 11 00-0429		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0407)*		
33 42 11 00-0430	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	45.87	8.98
		For Bituminous Coated Pipe, Add	*4.82*	
		For Bituminous Coated And 25% Paved, Add	*8.70*	
		For Smooth-Flo, Add	*16.72*	
33 42 11 00-0431	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	52.41	9.73
		For Bituminous Coated Pipe, Add	*5.70*	
		For Bituminous Coated And 25% Paved, Add	*10.28*	
		For Smooth-Flo, Add	*19.77*	
33 42 11 00-0432	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	58.52	9.73
		For Bituminous Coated Pipe, Add	*6.46*	
		For Bituminous Coated And 25% Paved, Add	*11.66*	
		For Smooth-Flo, Add	*22.41*	
33 42 11 00-0433	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	75.94	13.48
		For Bituminous Coated Pipe, Add	*8.21*	
		For Bituminous Coated And 25% Paved, Add	*14.83*	
		For Smooth-Flo, Add	*28.49*	
33 42 11 00-0434	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	96.35	17.27
		For Bituminous Coated Pipe, Add	*10.15*	
		For Bituminous Coated And 25% Paved, Add	*18.33*	
		For Smooth-Flo, Add	*35.23*	
33 42 11 00-0435	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	109.93	20.41
		For Bituminous Coated Pipe, Add	*11.89*	
		For Bituminous Coated And 25% Paved, Add	*21.48*	
		For Smooth-Flo, Add	*41.28*	
33 42 11 00-0436	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	124.10	23.55
		For Bituminous Coated Pipe, Add	*13.43*	
		For Bituminous Coated And 25% Paved, Add	*24.26*	
		For Smooth-Flo, Add	*46.62*	
33 42 11 00-0437	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	146.46	26.69
		For Bituminous Coated Pipe, Add	*16.11*	
		For Bituminous Coated And 25% Paved, Add	*29.09*	
		For Smooth-Flo, Add	*55.90*	
33 42 11 00-0438	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	160.12	28.26
		For Bituminous Coated Pipe, Add	*17.64*	
		For Bituminous Coated And 25% Paved, Add	*31.85*	
		For Smooth-Flo, Add	*61.22*	
33 42 11 00-0439		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0407)*		
33 42 11 00-0440	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	110.01	17.27
		For Bituminous Coated Pipe, Add	*12.91*	
		For Bituminous Coated And 25% Paved, Add	*21.57*	
		For Smooth-Flo, Add	*30.78*	
33 42 11 00-0441	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	125.92	20.41
		For Bituminous Coated Pipe, Add	*15.13*	
		For Bituminous Coated And 25% Paved, Add	*25.27*	
		For Smooth-Flo, Add	*36.06*	
33 42 11 00-0442	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	142.24	23.55
		For Bituminous Coated Pipe, Add	*17.10*	
		For Bituminous Coated And 25% Paved, Add	*28.56*	
		For Smooth-Flo, Add	*40.75*	
33 42 11 00-0443	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	166.78	26.69
		For Bituminous Coated Pipe, Add	*20.25*	
		For Bituminous Coated And 25% Paved, Add	*33.83*	
		For Smooth-Flo, Add	*48.27*	
33 42 11 00-0444	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	182.73	28.26
		For Bituminous Coated Pipe, Add	*22.24*	
		For Bituminous Coated And 25% Paved, Add	*37.15*	
		For Smooth-Flo, Add	*53.01*	
33 42 11 00-0445	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	218.80	34.54
		For Bituminous Coated Pipe, Add	*26.61*	
		For Bituminous Coated And 25% Paved, Add	*44.44*	
		For Smooth-Flo, Add	*63.42*	
33 42 11 00-0446		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0406)*		
33 42 11 00-0447		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0446)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0448	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	87.06	17.27
		For Bituminous Coated Pipe, Add	*10.08*	
		For Bituminous Coated And 25% Paved, Add	*22.89*	
		For Smooth-Flo, Add	*45.58*	
33 42 11 00-0449	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	99.16	20.41
		For Bituminous Coated Pipe, Add	*11.84*	
		For Bituminous Coated And 25% Paved, Add	*26.88*	
		For Smooth-Flo, Add	*53.52*	
33 42 11 00-0450	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	111.49	23.55
		For Bituminous Coated Pipe, Add	*13.28*	
		For Bituminous Coated And 25% Paved, Add	*30.15*	
		For Smooth-Flo, Add	*60.03*	
33 42 11 00-0451	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	132.83	26.69
		For Bituminous Coated Pipe, Add	*16.22*	
		For Bituminous Coated And 25% Paved, Add	*36.82*	
		For Smooth-Flo, Add	*73.32*	
33 42 11 00-0452	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	144.73	28.26
		For Bituminous Coated Pipe, Add	*17.67*	
		For Bituminous Coated And 25% Paved, Add	*40.12*	
		For Smooth-Flo, Add	*79.89*	
33 42 11 00-0453	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	181.14	34.54
		For Bituminous Coated Pipe, Add	*22.70*	
		For Bituminous Coated And 25% Paved, Add	*51.53*	
		For Smooth-Flo, Add	*102.61*	
33 42 11 00-0454	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	220.90	50.24
		For Bituminous Coated Pipe, Add	*24.20*	
		For Bituminous Coated And 25% Paved, Add	*54.93*	
		For Smooth-Flo, Add	*109.37*	
33 42 11 00-0455	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	238.40	54.95
		For Bituminous Coated Pipe, Add	*25.70*	
		For Bituminous Coated And 25% Paved, Add	*58.34*	
		For Smooth-Flo, Add	*116.16*	
33 42 11 00-0456	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	253.76	58.88
		For Bituminous Coated Pipe, Add	*27.20*	
		For Bituminous Coated And 25% Paved, Add	*61.75*	
		For Smooth-Flo, Add	*122.95*	
33 42 11 00-0457	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	269.15	62.80
		For Bituminous Coated Pipe, Add	*28.71*	
		For Bituminous Coated And 25% Paved, Add	*65.17*	
		For Smooth-Flo, Add	*129.77*	
33 42 11 00-0458	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	285.06	66.73
		For Bituminous Coated Pipe, Add	*30.21*	
		For Bituminous Coated And 25% Paved, Add	*68.57*	
		For Smooth-Flo, Add	*136.53*	
33 42 11 00-0459	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	303.21	70.65
		For Bituminous Coated Pipe, Add	*31.72*	
		For Bituminous Coated And 25% Paved, Add	*72.00*	
		For Smooth-Flo, Add	*143.37*	

33 42 11 00-0460 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0446)*

33 42 11 00-0461	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	145.61	26.69
		For Bituminous Coated Pipe, Add	*18.78*	
		For Bituminous Coated And 25% Paved, Add	*36.80*	
		For Smooth-Flo, Add	*74.36*	
33 42 11 00-0462	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	158.87	28.26
		For Bituminous Coated Pipe, Add	*20.50*	
		For Bituminous Coated And 25% Paved, Add	*40.18*	
		For Smooth-Flo, Add	*81.19*	
33 42 11 00-0463	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	196.69	34.54
		For Bituminous Coated Pipe, Add	*25.81*	
		For Bituminous Coated And 25% Paved, Add	*50.59*	
		For Smooth-Flo, Add	*102.22*	
33 42 11 00-0464	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	237.85	50.24
		For Bituminous Coated Pipe, Add	*27.59*	
		For Bituminous Coated And 25% Paved, Add	*54.07*	
		For Smooth-Flo, Add	*109.25*	
33 42 11 00-0465	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	256.71	54.95
		For Bituminous Coated Pipe, Add	*29.36*	
		For Bituminous Coated And 25% Paved, Add	*57.55*	
		For Smooth-Flo, Add	*116.27*	
33 42 11 00-0466	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	273.51	58.88
		For Bituminous Coated Pipe, Add	*31.15*	
		For Bituminous Coated And 25% Paved, Add	*61.06*	
		For Smooth-Flo, Add	*123.36*	
33 42 11 00-0467	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	290.23	62.80
		For Bituminous Coated Pipe, Add	*32.93*	
		For Bituminous Coated And 25% Paved, Add	*64.53*	
		For Smooth-Flo, Add	*130.39*	
33 42 11 00-0468	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	307.53	66.73
		For Bituminous Coated Pipe, Add	*34.70*	
		For Bituminous Coated And 25% Paved, Add	*68.01*	
		For Smooth-Flo, Add	*137.41*	
33 42 11 00-0469	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	327.04	70.65
		For Bituminous Coated Pipe, Add	*36.49*	
		For Bituminous Coated And 25% Paved, Add	*71.51*	
		For Smooth-Flo, Add	*144.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0470	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	348.37	78.50
		For Bituminous Coated Pipe, Add	*38.27*	
		For Bituminous Coated And 25% Paved, Add	*75.01*	
		For Smooth-Flo, Add	*151.56*	
33 42 11 00-0471	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	369.20	86.35
		For Bituminous Coated Pipe, Add	*40.02*	
		For Bituminous Coated And 25% Paved, Add	*78.45*	
		For Smooth-Flo, Add	*158.50*	

33 42 11 00-0472 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0446)*

33 42 11 00-0473	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	190.24	28.26
		For Bituminous Coated Pipe, Add	*26.78*	
		For Bituminous Coated And 25% Paved, Add	*51.01*	
		For Smooth-Flo, Add	*83.14*	
33 42 11 00-0474	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	231.44	34.54
		For Bituminous Coated Pipe, Add	*32.76*	
		For Bituminous Coated And 25% Paved, Add	*62.41*	
		For Smooth-Flo, Add	*101.73*	
33 42 11 00-0475	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	275.62	50.24
		For Bituminous Coated Pipe, Add	*35.14*	
		For Bituminous Coated And 25% Paved, Add	*66.95*	
		For Smooth-Flo, Add	*109.12*	
33 42 11 00-0476	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	297.55	54.95
		For Bituminous Coated Pipe, Add	*37.53*	
		For Bituminous Coated And 25% Paved, Add	*71.49*	
		For Smooth-Flo, Add	*116.53*	
33 42 11 00-0477	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	317.38	58.88
		For Bituminous Coated Pipe, Add	*39.93*	
		For Bituminous Coated And 25% Paved, Add	*76.06*	
		For Smooth-Flo, Add	*123.97*	
33 42 11 00-0478	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	337.17	62.80
		For Bituminous Coated Pipe, Add	*42.31*	
		For Bituminous Coated And 25% Paved, Add	*80.61*	
		For Smooth-Flo, Add	*131.38*	
33 42 11 00-0479	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	357.56	66.73
		For Bituminous Coated Pipe, Add	*44.71*	
		For Bituminous Coated And 25% Paved, Add	*85.16*	
		For Smooth-Flo, Add	*138.81*	
33 42 11 00-0480	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	380.12	70.65
		For Bituminous Coated Pipe, Add	*47.10*	
		For Bituminous Coated And 25% Paved, Add	*89.73*	
		For Smooth-Flo, Add	*146.25*	
33 42 11 00-0481	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	404.46	78.50
		For Bituminous Coated Pipe, Add	*49.49*	
		For Bituminous Coated And 25% Paved, Add	*94.28*	
		For Smooth-Flo, Add	*153.67*	
33 42 11 00-0482	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	428.37	86.35
		For Bituminous Coated Pipe, Add	*51.86*	
		For Bituminous Coated And 25% Paved, Add	*98.79*	
		For Smooth-Flo, Add	*161.02*	
33 42 11 00-0483	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	451.44	94.20
		For Bituminous Coated Pipe, Add	*54.26*	
		For Bituminous Coated And 25% Paved, Add	*103.36*	
		For Smooth-Flo, Add	*168.46*	

33 42 11 00-0484 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0446)*

33 42 11 00-0485	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	310.85	50.24
		For Bituminous Coated Pipe, Add	*42.19*	
		For Bituminous Coated And 25% Paved, Add	*80.16*	
		For Smooth-Flo, Add	*107.16*	
33 42 11 00-0486	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	335.66	54.95
		For Bituminous Coated Pipe, Add	*45.15*	
		For Bituminous Coated And 25% Paved, Add	*85.79*	
		For Smooth-Flo, Add	*114.69*	
33 42 11 00-0487	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	358.39	58.88
		For Bituminous Coated Pipe, Add	*48.13*	
		For Bituminous Coated And 25% Paved, Add	*91.44*	
		For Smooth-Flo, Add	*122.25*	
33 42 11 00-0488	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	381.07	62.80
		For Bituminous Coated Pipe, Add	*51.09*	
		For Bituminous Coated And 25% Paved, Add	*97.08*	
		For Smooth-Flo, Add	*129.78*	
33 42 11 00-0489	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	404.35	66.73
		For Bituminous Coated Pipe, Add	*54.06*	
		For Bituminous Coated And 25% Paved, Add	*102.72*	
		For Smooth-Flo, Add	*137.32*	
33 42 11 00-0490	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	429.81	70.65
		For Bituminous Coated Pipe, Add	*57.04*	
		For Bituminous Coated And 25% Paved, Add	*108.38*	
		For Smooth-Flo, Add	*144.88*	
33 42 11 00-0491	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	457.03	78.50
		For Bituminous Coated Pipe, Add	*60.00*	
		For Bituminous Coated And 25% Paved, Add	*114.01*	
		For Smooth-Flo, Add	*152.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0492	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	483.81	86.35
		For Bituminous Coated Pipe, Add	*62.95*	
		For Bituminous Coated And 25% Paved, Add	*119.60*	
		For Smooth-Flo, Add	*159.88*	
33 42 11 00-0493	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	509.79	94.20
		For Bituminous Coated Pipe, Add	*65.93*	
		For Bituminous Coated And 25% Paved, Add	*125.26*	
		For Smooth-Flo, Add	*167.45*	
33 42 11 00-0494	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	537.21	102.05
		For Bituminous Coated Pipe, Add	*68.88*	
		For Bituminous Coated And 25% Paved, Add	*130.87*	
		For Smooth-Flo, Add	*174.96*	
33 42 11 00-0495	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	566.64	109.90
		For Bituminous Coated Pipe, Add	*71.86*	
		For Bituminous Coated And 25% Paved, Add	*136.53*	
		For Smooth-Flo, Add	*182.51*	
33 42 11 00-0496	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	598.47	117.75
		For Bituminous Coated Pipe, Add	*74.84*	
		For Bituminous Coated And 25% Paved, Add	*142.19*	
		For Smooth-Flo, Add	*190.09*	

33 42 11 00-0497 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0406)*

33 42 11 00-0498 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0497)*

33 42 11 00-0499	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	111.86	23.55
		For Bituminous Coated Pipe, Add	*16.69*	
		For Bituminous Coated And 25% Paved, Add	*38.06*	
		For Smooth-Flo, Add	*60.43*	
33 42 11 00-0500	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	133.54	26.69
		For Bituminous Coated Pipe, Add	*20.46*	
		For Bituminous Coated And 25% Paved, Add	*46.64*	
		For Smooth-Flo, Add	*74.05*	
33 42 11 00-0501	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	145.35	28.26
		For Bituminous Coated Pipe, Add	*22.25*	
		For Bituminous Coated And 25% Paved, Add	*50.72*	
		For Smooth-Flo, Add	*80.54*	
33 42 11 00-0502	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	179.66	34.54
		For Bituminous Coated Pipe, Add	*28.01*	
		For Bituminous Coated And 25% Paved, Add	*63.86*	
		For Smooth-Flo, Add	*101.39*	
33 42 11 00-0503	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	219.25	50.24
		For Bituminous Coated Pipe, Add	*29.84*	
		For Bituminous Coated And 25% Paved, Add	*68.02*	
		For Smooth-Flo, Add	*108.00*	
33 42 11 00-0504	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	236.53	54.95
		For Bituminous Coated Pipe, Add	*31.66*	
		For Bituminous Coated And 25% Paved, Add	*72.18*	
		For Smooth-Flo, Add	*114.60*	
33 42 11 00-0505	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	251.63	58.88
		For Bituminous Coated Pipe, Add	*33.47*	
		For Bituminous Coated And 25% Paved, Add	*76.31*	
		For Smooth-Flo, Add	*121.16*	
33 42 11 00-0506	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	266.71	62.80
		For Bituminous Coated Pipe, Add	*35.28*	
		For Bituminous Coated And 25% Paved, Add	*80.43*	
		For Smooth-Flo, Add	*127.70*	
33 42 11 00-0507	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	282.48	66.73
		For Bituminous Coated Pipe, Add	*37.11*	
		For Bituminous Coated And 25% Paved, Add	*84.62*	
		For Smooth-Flo, Add	*134.35*	
33 42 11 00-0508	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	300.57	70.65
		For Bituminous Coated Pipe, Add	*38.99*	
		For Bituminous Coated And 25% Paved, Add	*88.90*	
		For Smooth-Flo, Add	*141.14*	

33 42 11 00-0509 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0497)*

33 42 11 00-0510	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	149.52	26.69
		For Bituminous Coated Pipe, Add	*19.56*	
		For Bituminous Coated And 25% Paved, Add	*45.97*	
		For Smooth-Flo, Add	*83.23*	
33 42 11 00-0511	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	163.12	28.26
		For Bituminous Coated Pipe, Add	*21.35*	
		For Bituminous Coated And 25% Paved, Add	*50.18*	
		For Smooth-Flo, Add	*90.85*	
33 42 11 00-0512	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	199.05	34.54
		For Bituminous Coated Pipe, Add	*26.28*	
		For Bituminous Coated And 25% Paved, Add	*61.77*	
		For Smooth-Flo, Add	*111.84*	
33 42 11 00-0513	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	240.20	50.24
		For Bituminous Coated Pipe, Add	*28.06*	
		For Bituminous Coated And 25% Paved, Add	*65.94*	
		For Smooth-Flo, Add	*119.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0514	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	259.37	54.95
		For Bituminous Coated Pipe, Add	*29.89*	
		For Bituminous Coated And 25% Paved, Add	*70.25*	
		For Smooth-Flo, Add	*127.20*	
33 42 11 00-0515	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	276.26	58.88
		For Bituminous Coated Pipe, Add	*31.70*	
		For Bituminous Coated And 25% Paved, Add	*74.50*	
		For Smooth-Flo, Add	*134.89*	
33 42 11 00-0516	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	292.22	62.80
		For Bituminous Coated Pipe, Add	*33.32*	
		For Bituminous Coated And 25% Paved, Add	*78.31*	
		For Smooth-Flo, Add	*141.79*	
33 42 11 00-0517	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	310.57	66.73
		For Bituminous Coated Pipe, Add	*35.31*	
		For Bituminous Coated And 25% Paved, Add	*82.97*	
		For Smooth-Flo, Add	*150.24*	
33 42 11 00-0518	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	330.16	70.65
		For Bituminous Coated Pipe, Add	*37.11*	
		For Bituminous Coated And 25% Paved, Add	*87.21*	
		For Smooth-Flo, Add	*157.90*	
33 42 11 00-0519	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	351.49	78.50
		For Bituminous Coated Pipe, Add	*38.90*	
		For Bituminous Coated And 25% Paved, Add	*91.41*	
		For Smooth-Flo, Add	*165.50*	
33 42 11 00-0520	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	372.71	86.35
		For Bituminous Coated Pipe, Add	*40.73*	
		For Bituminous Coated And 25% Paved, Add	*95.71*	
		For Smooth-Flo, Add	*173.29*	

33 42 11 00-0521 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0497)*

33 42 11 00-0522	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	196.39	28.26
		For Bituminous Coated Pipe, Add	*28.01*	
		For Bituminous Coated And 25% Paved, Add	*53.21*	
		For Smooth-Flo, Add	*96.06*	
33 42 11 00-0523	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	235.69	34.54
		For Bituminous Coated Pipe, Add	*33.61*	
		For Bituminous Coated And 25% Paved, Add	*63.86*	
		For Smooth-Flo, Add	*115.29*	
33 42 11 00-0524	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	280.33	50.24
		For Bituminous Coated Pipe, Add	*36.08*	
		For Bituminous Coated And 25% Paved, Add	*68.56*	
		For Smooth-Flo, Add	*123.77*	
33 42 11 00-0525	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	302.59	54.95
		For Bituminous Coated Pipe, Add	*38.54*	
		For Bituminous Coated And 25% Paved, Add	*73.22*	
		For Smooth-Flo, Add	*132.19*	
33 42 11 00-0526	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	322.60	58.88
		For Bituminous Coated Pipe, Add	*40.97*	
		For Bituminous Coated And 25% Paved, Add	*77.84*	
		For Smooth-Flo, Add	*140.53*	
33 42 11 00-0527	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	342.78	62.80
		For Bituminous Coated Pipe, Add	*43.44*	
		For Bituminous Coated And 25% Paved, Add	*82.53*	
		For Smooth-Flo, Add	*148.99*	
33 42 11 00-0528	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	363.45	66.73
		For Bituminous Coated Pipe, Add	*45.88*	
		For Bituminous Coated And 25% Paved, Add	*87.18*	
		For Smooth-Flo, Add	*157.38*	
33 42 11 00-0529	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	386.25	70.65
		For Bituminous Coated Pipe, Add	*48.33*	
		For Bituminous Coated And 25% Paved, Add	*91.82*	
		For Smooth-Flo, Add	*165.77*	
33 42 11 00-0530	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	410.97	78.50
		For Bituminous Coated Pipe, Add	*50.79*	
		For Bituminous Coated And 25% Paved, Add	*96.50*	
		For Smooth-Flo, Add	*174.22*	
33 42 11 00-0531	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	435.29	86.35
		For Bituminous Coated Pipe, Add	*53.24*	
		For Bituminous Coated And 25% Paved, Add	*101.16*	
		For Smooth-Flo, Add	*182.62*	
33 42 11 00-0532	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	458.61	94.20
		For Bituminous Coated Pipe, Add	*55.69*	
		For Bituminous Coated And 25% Paved, Add	*105.81*	
		For Smooth-Flo, Add	*191.02*	

33 42 11 00-0533 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0497)*

33 42 11 00-0534	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	318.76	50.24
		For Bituminous Coated Pipe, Add	*43.77*	
		For Bituminous Coated And 25% Paved, Add	*83.16*	
		For Smooth-Flo, Add	*130.65*	
33 42 11 00-0535	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	344.59	54.95
		For Bituminous Coated Pipe, Add	*46.94*	
		For Bituminous Coated And 25% Paved, Add	*89.18*	
		For Smooth-Flo, Add	*140.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0536	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	367.94	58.88
		For Bituminous Coated Pipe, Add	*50.04*	
		For Bituminous Coated And 25% Paved, Add	*95.07*	
		For Smooth-Flo, Add	*149.36*	
33 42 11 00-0537	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	391.16	62.80
		For Bituminous Coated Pipe, Add	*53.11*	
		For Bituminous Coated And 25% Paved, Add	*100.91*	
		For Smooth-Flo, Add	*158.54*	
33 42 11 00-0538	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	415.12	66.73
		For Bituminous Coated Pipe, Add	*56.22*	
		For Bituminous Coated And 25% Paved, Add	*106.81*	
		For Smooth-Flo, Add	*167.81*	
33 42 11 00-0539	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	441.09	70.65
		For Bituminous Coated Pipe, Add	*59.30*	
		For Bituminous Coated And 25% Paved, Add	*112.66*	
		For Smooth-Flo, Add	*177.00*	
33 42 11 00-0540	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	468.99	78.50
		For Bituminous Coated Pipe, Add	*62.40*	
		For Bituminous Coated And 25% Paved, Add	*118.55*	
		For Smooth-Flo, Add	*186.25*	
33 42 11 00-0541	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	496.53	86.35
		For Bituminous Coated Pipe, Add	*65.49*	
		For Bituminous Coated And 25% Paved, Add	*124.43*	
		For Smooth-Flo, Add	*195.49*	
33 42 11 00-0542	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	523.00	94.20
		For Bituminous Coated Pipe, Add	*68.57*	
		For Bituminous Coated And 25% Paved, Add	*130.28*	
		For Smooth-Flo, Add	*204.68*	
33 42 11 00-0543	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	555.97	102.05
		For Bituminous Coated Pipe, Add	*72.63*	
		For Bituminous Coated And 25% Paved, Add	*138.00*	
		For Smooth-Flo, Add	*216.81*	
33 42 11 00-0544	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	587.27	109.90
		For Bituminous Coated Pipe, Add	*75.98*	
		For Bituminous Coated And 25% Paved, Add	*144.37*	
		For Smooth-Flo, Add	*226.81*	
33 42 11 00-0545	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	621.59	117.75
		For Bituminous Coated Pipe, Add	*79.46*	
		For Bituminous Coated And 25% Paved, Add	*150.98*	
		For Smooth-Flo, Add	*237.19*	

33 42 11 00-0546 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0406)*

33 42 11 00-0547 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0546)*

33 42 11 00-0548	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	39.61	8.98
		For Bituminous Coated Pipe, Add	*5.14*	
33 42 11 00-0549	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	45.21	9.73
		For Bituminous Coated Pipe, Add	*6.13*	
33 42 11 00-0550	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	50.41	10.48
		For Bituminous Coated Pipe, Add	*6.96*	
33 42 11 00-0551	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	66.14	13.48
		For Bituminous Coated Pipe, Add	*8.97*	
33 42 11 00-0552	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	84.88	17.27
		For Bituminous Coated Pipe, Add	*11.24*	
33 42 11 00-0553	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	96.84	20.41
		For Bituminous Coated Pipe, Add	*13.25*	
33 42 11 00-0554	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	109.11	23.55
		For Bituminous Coated Pipe, Add	*14.92*	
33 42 11 00-0555	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	130.14	26.69
		For Bituminous Coated Pipe, Add	*18.27*	
33 42 11 00-0556	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	141.98	28.26
		For Bituminous Coated Pipe, Add	*19.95*	

33 42 11 00-0557 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0546)*

33 42 11 00-0558	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	43.29	8.98
		For Bituminous Coated Pipe, Add	*5.95*	
33 42 11 00-0559	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	49.52	9.73
		For Bituminous Coated Pipe, Add	*7.07*	
33 42 11 00-0560	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	55.31	10.48
		For Bituminous Coated Pipe, Add	*8.03*	
33 42 11 00-0561	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.23	13.48
		For Bituminous Coated Pipe, Add	*10.30*	
33 42 11 00-0562	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	92.22	17.27
		For Bituminous Coated Pipe, Add	*12.84*	
33 42 11 00-0563	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	105.43	20.41
		For Bituminous Coated Pipe, Add	*15.12*	
33 42 11 00-0564	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	118.92	23.55
		For Bituminous Coated Pipe, Add	*17.05*	
33 42 11 00-0565	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	141.16	26.69
		For Bituminous Coated Pipe, Add	*20.66*	
33 42 11 00-0566	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	154.25	28.26
		For Bituminous Coated Pipe, Add	*22.61*	
33 42 11 00-0567	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	189.24	34.54
		For Bituminous Coated Pipe, Add	*28.09*	
33 42 11 00-0568	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	229.85	50.24
		For Bituminous Coated Pipe, Add	*30.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0569	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	248.32	54.95
		For Bituminous Coated Pipe, Add	*31.98*	
33 42 11 00-0570		**12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0546)*		
33 42 11 00-0571	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	84.59	13.48
		For Bituminous Coated Pipe, Add	*10.76*	
33 42 11 00-0572	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	106.98	17.27
		For Bituminous Coated Pipe, Add	*13.29*	
33 42 11 00-0573	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	122.72	20.41
		For Bituminous Coated Pipe, Add	*15.64*	
33 42 11 00-0574	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	138.64	23.55
		For Bituminous Coated Pipe, Add	*17.68*	
33 42 11 00-0575	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	163.38	26.69
		For Bituminous Coated Pipe, Add	*21.10*	
33 42 11 00-0576	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	178.96	28.26
		For Bituminous Coated Pipe, Add	*23.17*	
33 42 11 00-0577	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	216.36	34.54
		For Bituminous Coated Pipe, Add	*28.11*	
33 42 11 00-0578	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	259.41	50.24
		For Bituminous Coated Pipe, Add	*30.15*	
33 42 11 00-0579	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	280.31	54.95
		For Bituminous Coated Pipe, Add	*32.21*	
33 42 11 00-0580	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	299.02	58.88
		For Bituminous Coated Pipe, Add	*34.26*	
33 42 11 00-0581	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	317.70	62.80
		For Bituminous Coated Pipe, Add	*36.31*	
33 42 11 00-0582	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	336.95	66.73
		For Bituminous Coated Pipe, Add	*38.35*	
33 42 11 00-0583	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	357.17	70.65
		For Bituminous Coated Pipe, Add	*40.17*	
33 42 11 00-0584		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0406)*		
33 42 11 00-0585		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0584)*		
33 42 11 00-0586	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.34	4.49
		For Bituminous Coated Pipe, Add	*1.31*	
33 42 11 00-0587	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	15.44	4.49
		For Bituminous Coated Pipe, Add	*1.58*	
33 42 11 00-0588	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.99	5.62
		For Bituminous Coated Pipe, Add	*1.74*	
33 42 11 00-0589	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.38	5.62
		For Bituminous Coated Pipe, Add	*2.08*	
33 42 11 00-0590	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.74	6.74
		For Bituminous Coated Pipe, Add	*2.19*	
33 42 11 00-0591	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.51	6.74
		For Bituminous Coated Pipe, Add	*2.62*	
33 42 11 00-0592		**Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0584)*		
33 42 11 00-0593	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.50	4.49
		For Bituminous Coated Pipe, Add	*1.30*	
33 42 11 00-0594	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	15.56	4.49
		For Bituminous Coated Pipe, Add	*1.55*	
33 42 11 00-0595	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.14	5.62
		For Bituminous Coated Pipe, Add	*1.70*	
33 42 11 00-0596	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.62	5.62
		For Bituminous Coated Pipe, Add	*2.05*	
33 42 11 00-0597	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.00	6.74
		For Bituminous Coated Pipe, Add	*2.16*	
33 42 11 00-0598	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.81	6.74
		For Bituminous Coated Pipe, Add	*2.58*	
33 42 11 00-0599		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings** *(33 42 11 00-0584)*		
33 42 11 00-0600	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	8.12	
		For Bituminous Coated Pipe, Add	*1.83*	
33 42 11 00-0601	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.75	
		For Bituminous Coated Pipe, Add	*2.42*	
33 42 11 00-0602	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.18	
		For Bituminous Coated Pipe, Add	*2.97*	
33 42 11 00-0603	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	29.28	
		For Bituminous Coated Pipe, Add	*4.04*	
33 42 11 00-0604	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	6.81	
		For Bituminous Coated Pipe, Add	*0.92*	
33 42 11 00-0605	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	8.57	
		For Bituminous Coated Pipe, Add	*1.38*	
33 42 11 00-0606		**2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0406)*		
33 42 11 00-0607		**16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0606)*		
33 42 11 00-0608	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	43.72	7.86
33 42 11 00-0609	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	51.42	8.24
33 42 11 00-0610	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	59.36	8.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0611	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	68.92	9.73
33 42 11 00-0612	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	76.86	10.48
33 42 11 00-0613	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	100.65	13.48
33 42 11 00-0614	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	128.78	17.27
33 42 11 00-0615	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	148.96	20.41
33 42 11 00-0616	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	167.20	23.55
33 42 11 00-0617		**14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0606)*		
33 42 11 00-0618	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	49.65	7.86
33 42 11 00-0619	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	58.77	8.24
33 42 11 00-0620	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	68.16	8.98
33 42 11 00-0621	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	79.11	9.73
33 42 11 00-0622	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	88.69	10.48
33 42 11 00-0623	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	115.18	13.48
33 42 11 00-0624	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	146.32	17.27
33 42 11 00-0625	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	169.09	20.41
33 42 11 00-0626	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	190.17	23.55
33 42 11 00-0627	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	230.17	26.69
33 42 11 00-0628		**12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0606)*		
33 42 11 00-0629	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	86.50	8.98
33 42 11 00-0630	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	100.52	9.73
33 42 11 00-0631	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	113.04	10.48
33 42 11 00-0632	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	145.59	13.48
33 42 11 00-0633	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	175.36	17.27
33 42 11 00-0634	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	211.63	20.41
33 42 11 00-0635	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	238.73	23.55
33 42 11 00-0636	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	285.57	26.69
33 42 11 00-0637	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	312.04	28.26
33 42 11 00-0638	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	382.12	34.54
33 42 11 00-0639		**10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0606)*		
33 42 11 00-0640	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	216.16	17.27
33 42 11 00-0641	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	250.39	20.41
33 42 11 00-0642	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	282.75	23.55
33 42 11 00-0643	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	334.88	26.69
33 42 11 00-0644	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	366.94	28.26
33 42 11 00-0645	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	442.42	34.54
33 42 11 00-0646	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	501.73	50.24
33 42 11 00-0647		**3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0406)*		
33 42 11 00-0648		**16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0647)*		
33 42 11 00-0649	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	162.45	17.27
33 42 11 00-0650	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	187.79	20.41
33 42 11 00-0651	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	210.73	23.55
33 42 11 00-0652	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	254.92	26.69
33 42 11 00-0653	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	277.57	28.26
33 42 11 00-0654	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	353.26	34.54
33 42 11 00-0655	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	404.13	50.24
33 42 11 00-0656	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	432.70	54.95
33 42 11 00-0657	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	459.20	58.88
33 42 11 00-0658	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	485.72	62.80
33 42 11 00-0659	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	512.73	66.73
33 42 11 00-0660	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	542.06	70.65
33 42 11 00-0661		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0647)*		
33 42 11 00-0662	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	286.63	26.69
33 42 11 00-0663	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	312.62	28.26
33 42 11 00-0664	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	391.86	34.54
33 42 11 00-0665	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	446.12	50.24
33 42 11 00-0666	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	478.12	54.95
33 42 11 00-0667	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	508.17	58.88
33 42 11 00-0668	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	538.02	62.80
33 42 11 00-0669	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	568.44	66.73
33 42 11 00-0670	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	601.22	70.65
33 42 11 00-0671	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	635.74	78.50
33 42 11 00-0672	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	669.51	86.35
33 42 11 00-0673		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0647)*		
33 42 11 00-0674	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	392.35	28.26
33 42 11 00-0675	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	480.56	34.54
33 42 11 00-0676	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	542.51	50.24
33 42 11 00-0677	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	582.24	54.95
33 42 11 00-0678	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	619.98	58.88
33 42 11 00-0679	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	657.57	62.80
33 42 11 00-0680	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	695.78	66.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0681	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	736.24	70.65
33 42 11 00-0682	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	778.38	78.50
33 42 11 00-0683	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	820.00	86.35
33 42 11 00-0684	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	860.98	94.20
33 42 11 00-0685		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0647)*		
33 42 11 00-0686	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	630.34	50.24
33 42 11 00-0687	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	677.22	54.95
33 42 11 00-0688	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	722.19	58.88
33 42 11 00-0689	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	766.96	62.80
33 42 11 00-0690	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	812.40	66.73
33 42 11 00-0691	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	860.07	70.65
33 42 11 00-0692	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	909.43	78.50
33 42 11 00-0693	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	958.21	86.35
33 42 11 00-0694	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,006.39	94.20
33 42 11 00-0695	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,055.87	102.05
33 42 11 00-0696	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,107.51	109.90
33 42 11 00-0697	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,161.56	117.75
33 42 11 00-0698		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0406)*		
33 42 11 00-0699		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0698)*		
33 42 11 00-0700	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	203.90	23.55
33 42 11 00-0701	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	247.40	26.69
33 42 11 00-0702	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	268.95	28.26
33 42 11 00-0703	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	337.24	34.54
33 42 11 00-0704	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	386.80	50.24
33 42 11 00-0705	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	414.01	54.95
33 42 11 00-0706	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	438.96	58.88
33 42 11 00-0707	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	463.85	62.80
33 42 11 00-0708	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	489.57	66.73
33 42 11 00-0709	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	517.94	70.65
33 42 11 00-0710		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0698)*		
33 42 11 00-0711	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	285.06	26.69
33 42 11 00-0712	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	310.89	28.26
33 42 11 00-0713	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	382.98	34.54
33 42 11 00-0714	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	436.23	50.24
33 42 11 00-0715	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	467.90	54.95
33 42 11 00-0716	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	497.05	58.88
33 42 11 00-0717	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	524.04	62.80
33 42 11 00-0718	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	555.88	66.73
33 42 11 00-0719	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	587.75	70.65
33 42 11 00-0720	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	621.20	78.50
33 42 11 00-0721	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	654.87	86.35
33 42 11 00-0722		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0698)*		
33 42 11 00-0723	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	394.96	28.26
33 42 11 00-0724	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	476.00	34.54
33 42 11 00-0725	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	538.03	50.24
33 42 11 00-0726	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	577.43	54.95
33 42 11 00-0727	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	614.46	58.88
33 42 11 00-0728	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	651.95	62.80
33 42 11 00-0729	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	689.79	66.73
33 42 11 00-0730	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	729.66	70.65
33 42 11 00-0731	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	771.69	78.50
33 42 11 00-0732	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	813.17	86.35
33 42 11 00-0733	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	853.63	94.20
33 42 11 00-0734		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0698)*		
33 42 11 00-0735	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	630.30	50.24
33 42 11 00-0736	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	678.28	54.95
33 42 11 00-0737	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	723.40	58.88
33 42 11 00-0738	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	768.14	62.80
33 42 11 00-0739	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	813.80	66.73
33 42 11 00-0740	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	861.39	70.65
33 42 11 00-0741	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	910.97	78.50
33 42 11 00-0742	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	960.19	86.35
33 42 11 00-0743	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,008.27	94.20
33 42 11 00-0744	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,069.69	102.05
33 42 11 00-0745	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,124.49	109.90
33 42 11 00-0746	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,183.17	117.75
33 42 11 00-0747		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0405)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0748		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0747)*		
33 42 11 00-0749		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0748)*		
33 42 11 00-0750	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	31.93	8.24
		For Bituminous Coated Pipe, Add	*3.74*	
		For Bituminous Coated And 25% Paved, Add	*9.04*	
		For Smooth-Flo, Add	*14.91*	
33 42 11 00-0751	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	35.47	8.98
		For Bituminous Coated Pipe, Add	*4.47*	
		For Bituminous Coated And 25% Paved, Add	*10.80*	
		For Smooth-Flo, Add	*17.81*	
33 42 11 00-0752	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	40.51	9.73
		For Bituminous Coated Pipe, Add	*5.38*	
		For Bituminous Coated And 25% Paved, Add	*13.00*	
		For Smooth-Flo, Add	*21.45*	
33 42 11 00-0753	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	45.42	10.48
		For Bituminous Coated Pipe, Add	*6.20*	
		For Bituminous Coated And 25% Paved, Add	*14.98*	
		For Smooth-Flo, Add	*24.71*	
33 42 11 00-0754	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	59.25	13.48
		For Bituminous Coated Pipe, Add	*7.87*	
		For Bituminous Coated And 25% Paved, Add	*19.02*	
		For Smooth-Flo, Add	*31.38*	
33 42 11 00-0755	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	77.39	17.27
		For Bituminous Coated Pipe, Add	*10.15*	
		For Bituminous Coated And 25% Paved, Add	*24.53*	
		For Smooth-Flo, Add	*40.46*	
33 42 11 00-0756		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0748)*		
33 42 11 00-0757	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	34.96	8.24
		For Bituminous Coated Pipe, Add	*3.88*	
		For Bituminous Coated And 25% Paved, Add	*9.08*	
		For Smooth-Flo, Add	*14.89*	
33 42 11 00-0758	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.18	8.98
		For Bituminous Coated Pipe, Add	*4.65*	
		For Bituminous Coated And 25% Paved, Add	*10.89*	
		For Smooth-Flo, Add	*17.86*	
33 42 11 00-0759	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	44.64	9.73
		For Bituminous Coated Pipe, Add	*5.53*	
		For Bituminous Coated And 25% Paved, Add	*12.94*	
		For Smooth-Flo, Add	*21.23*	
33 42 11 00-0760	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	50.21	10.48
		For Bituminous Coated Pipe, Add	*6.38*	
		For Bituminous Coated And 25% Paved, Add	*14.92*	
		For Smooth-Flo, Add	*24.48*	
33 42 11 00-0761	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	65.23	13.48
		For Bituminous Coated Pipe, Add	*8.08*	
		For Bituminous Coated And 25% Paved, Add	*18.90*	
		For Smooth-Flo, Add	*31.00*	
33 42 11 00-0762	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	84.51	17.27
		For Bituminous Coated Pipe, Add	*10.29*	
		For Bituminous Coated And 25% Paved, Add	*24.08*	
		For Smooth-Flo, Add	*39.49*	
33 42 11 00-0763	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	96.98	20.41
		For Bituminous Coated Pipe, Add	*12.26*	
		For Bituminous Coated And 25% Paved, Add	*28.68*	
		For Smooth-Flo, Add	*47.04*	
33 42 11 00-0764		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0748)*		
33 42 11 00-0765	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	50.55	9.42
		For Bituminous Coated Pipe, Add	*5.04*	
		For Bituminous Coated And 25% Paved, Add	*11.21*	
		For Smooth-Flo, Add	*17.23*	
33 42 11 00-0766	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	57.65	10.21
		For Bituminous Coated Pipe, Add	*5.97*	
		For Bituminous Coated And 25% Paved, Add	*13.29*	
		For Smooth-Flo, Add	*20.44*	
33 42 11 00-0767	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	64.71	10.99
		For Bituminous Coated Pipe, Add	*6.85*	
		For Bituminous Coated And 25% Paved, Add	*15.24*	
		For Smooth-Flo, Add	*23.44*	
33 42 11 00-0768	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	83.66	14.13
		For Bituminous Coated Pipe, Add	*8.62*	
		For Bituminous Coated And 25% Paved, Add	*19.19*	
		For Smooth-Flo, Add	*29.51*	
33 42 11 00-0769	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	99.02	17.27
		For Bituminous Coated Pipe, Add	*10.79*	
		For Bituminous Coated And 25% Paved, Add	*24.02*	
		For Smooth-Flo, Add	*36.93*	
33 42 11 00-0770	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	113.73	20.41
		For Bituminous Coated Pipe, Add	*12.76*	
		For Bituminous Coated And 25% Paved, Add	*28.40*	
		For Smooth-Flo, Add	*43.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0771	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	132.58	23.55
		For Bituminous Coated Pipe, Add	*15.14*	
		For Bituminous Coated And 25% Paved, Add	*33.68*	
		For Smooth-Flo, Add	*51.79*	
33 42 11 00-0772	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	148.33	26.69
		For Bituminous Coated Pipe, Add	*16.71*	
		For Bituminous Coated And 25% Paved, Add	*37.19*	
		For Smooth-Flo, Add	*57.19*	
33 42 11 00-0773		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0748)*		
33 42 11 00-0774	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	112.68	17.27
		For Bituminous Coated Pipe, Add	*13.00*	
		For Bituminous Coated And 25% Paved, Add	*27.37*	
		For Smooth-Flo, Add	*34.52*	
33 42 11 00-0775	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	129.66	20.41
		For Bituminous Coated Pipe, Add	*15.34*	
		For Bituminous Coated And 25% Paved, Add	*32.29*	
		For Smooth-Flo, Add	*40.72*	
33 42 11 00-0776	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	150.63	23.55
		For Bituminous Coated Pipe, Add	*18.05*	
		For Bituminous Coated And 25% Paved, Add	*37.99*	
		For Smooth-Flo, Add	*47.92*	
33 42 11 00-0777	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	168.74	26.69
		For Bituminous Coated Pipe, Add	*20.01*	
		For Bituminous Coated And 25% Paved, Add	*42.13*	
		For Smooth-Flo, Add	*53.13*	
33 42 11 00-0778	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	184.83	28.26
		For Bituminous Coated Pipe, Add	*21.97*	
		For Bituminous Coated And 25% Paved, Add	*46.25*	
		For Smooth-Flo, Add	*58.33*	
33 42 11 00-0779		**3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0747)*		
33 42 11 00-0780		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0779)*		
33 42 11 00-0781	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	148.14	26.69
		For Bituminous Coated Pipe, Add	*19.28*	
		For Bituminous Coated And 25% Paved, Add	*58.62*	
		For Smooth-Flo, Add	*65.57*	
33 42 11 00-0782	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	161.87	28.26
		For Bituminous Coated Pipe, Add	*21.10*	
		For Bituminous Coated And 25% Paved, Add	*64.15*	
		For Smooth-Flo, Add	*71.75*	
33 42 11 00-0783	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	200.15	34.54
		For Bituminous Coated Pipe, Add	*26.50*	
		For Bituminous Coated And 25% Paved, Add	*80.57*	
		For Smooth-Flo, Add	*90.11*	
33 42 11 00-0784	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	241.98	50.24
		For Bituminous Coated Pipe, Add	*28.41*	
		For Bituminous Coated And 25% Paved, Add	*86.38*	
		For Smooth-Flo, Add	*96.61*	
33 42 11 00-0785	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	262.01	54.95
		For Bituminous Coated Pipe, Add	*30.42*	
		For Bituminous Coated And 25% Paved, Add	*92.48*	
		For Smooth-Flo, Add	*103.43*	
33 42 11 00-0786	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	279.95	58.88
		For Bituminous Coated Pipe, Add	*32.44*	
		For Bituminous Coated And 25% Paved, Add	*98.62*	
		For Smooth-Flo, Add	*110.30*	
33 42 11 00-0787	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	297.83	62.80
		For Bituminous Coated Pipe, Add	*34.45*	
		For Bituminous Coated And 25% Paved, Add	*104.72*	
		For Smooth-Flo, Add	*117.12*	
33 42 11 00-0788	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	316.26	66.73
		For Bituminous Coated Pipe, Add	*36.45*	
		For Bituminous Coated And 25% Paved, Add	*110.80*	
		For Smooth-Flo, Add	*123.92*	
33 42 11 00-0789		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0779)*		
33 42 11 00-0790	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	193.28	28.26
		For Bituminous Coated Pipe, Add	*27.38*	
		For Bituminous Coated And 25% Paved, Add	*71.75*	
		For Smooth-Flo, Add	*84.89*	
33 42 11 00-0791	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	234.98	34.54
		For Bituminous Coated Pipe, Add	*33.47*	
		For Bituminous Coated And 25% Paved, Add	*87.69*	
		For Smooth-Flo, Add	*103.76*	
33 42 11 00-0792	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	279.90	50.24
		For Bituminous Coated Pipe, Add	*36.00*	
		For Bituminous Coated And 25% Paved, Add	*94.31*	
		For Smooth-Flo, Add	*111.59*	
33 42 11 00-0793	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	302.99	54.95
		For Bituminous Coated Pipe, Add	*38.62*	
		For Bituminous Coated And 25% Paved, Add	*101.18*	
		For Smooth-Flo, Add	*119.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0794	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	323.99	58.88
		For Bituminous Coated Pipe, Add	*41.25*	
		For Bituminous Coated And 25% Paved, Add	*108.07*	
		For Smooth-Flo, Add	*127.87*	
33 42 11 00-0795	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	344.96	62.80
		For Bituminous Coated Pipe, Add	*43.87*	
		For Bituminous Coated And 25% Paved, Add	*114.94*	
		For Smooth-Flo, Add	*136.00*	
33 42 11 00-0796	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	366.45	66.73
		For Bituminous Coated Pipe, Add	*46.48*	
		For Bituminous Coated And 25% Paved, Add	*121.79*	
		For Smooth-Flo, Add	*144.10*	
33 42 11 00-0797	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	390.24	70.65
		For Bituminous Coated Pipe, Add	*49.13*	
		For Bituminous Coated And 25% Paved, Add	*128.71*	
		For Smooth-Flo, Add	*152.29*	
33 42 11 00-0798	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	415.76	78.50
		For Bituminous Coated Pipe, Add	*51.75*	
		For Bituminous Coated And 25% Paved, Add	*135.59*	
		For Smooth-Flo, Add	*160.43*	
33 42 11 00-0799	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	442.26	86.35
		For Bituminous Coated Pipe, Add	*54.64*	
		For Bituminous Coated And 25% Paved, Add	*143.15*	
		For Smooth-Flo, Add	*169.37*	
33 42 11 00-0800		**10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0779)*		
33 42 11 00-0801	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	315.13	50.24
		For Bituminous Coated Pipe, Add	*43.04*	
		For Bituminous Coated And 25% Paved, Add	*102.44*	
		For Smooth-Flo, Add	*111.27*	
33 42 11 00-0802	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	341.13	54.95
		For Bituminous Coated Pipe, Add	*46.25*	
		For Bituminous Coated And 25% Paved, Add	*110.07*	
		For Smooth-Flo, Add	*119.55*	
33 42 11 00-0803	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	365.03	58.88
		For Bituminous Coated Pipe, Add	*49.46*	
		For Bituminous Coated And 25% Paved, Add	*117.71*	
		For Smooth-Flo, Add	*127.84*	
33 42 11 00-0804	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	388.83	62.80
		For Bituminous Coated Pipe, Add	*52.65*	
		For Bituminous Coated And 25% Paved, Add	*125.30*	
		For Smooth-Flo, Add	*136.09*	
33 42 11 00-0805	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	413.25	66.73
		For Bituminous Coated Pipe, Add	*55.84*	
		For Bituminous Coated And 25% Paved, Add	*132.91*	
		For Smooth-Flo, Add	*144.36*	
33 42 11 00-0806	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	439.89	70.65
		For Bituminous Coated Pipe, Add	*59.06*	
		For Bituminous Coated And 25% Paved, Add	*140.55*	
		For Smooth-Flo, Add	*152.66*	
33 42 11 00-0807	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	468.31	78.50
		For Bituminous Coated Pipe, Add	*62.26*	
		For Bituminous Coated And 25% Paved, Add	*148.18*	
		For Smooth-Flo, Add	*160.94*	
33 42 11 00-0808	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	497.47	86.35
		For Bituminous Coated Pipe, Add	*65.68*	
		For Bituminous Coated And 25% Paved, Add	*156.31*	
		For Smooth-Flo, Add	*169.78*	
33 42 11 00-0809	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	529.07	94.20
		For Bituminous Coated Pipe, Add	*69.78*	
		For Bituminous Coated And 25% Paved, Add	*166.08*	
		For Smooth-Flo, Add	*180.39*	
33 42 11 00-0810		**125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0747)*		
33 42 11 00-0811		**12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0810)*		
33 42 11 00-0812	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	283.36	50.24
		For Bituminous Coated Pipe, Add	*36.69*	
		For Bituminous Coated And 25% Paved, Add	*89.52*	
		For Smooth-Flo, Add	*113.92*	
33 42 11 00-0813	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	306.10	54.95
		For Bituminous Coated Pipe, Add	*39.24*	
		For Bituminous Coated And 25% Paved, Add	*95.75*	
		For Smooth-Flo, Add	*121.84*	
33 42 11 00-0814	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	326.57	58.88
		For Bituminous Coated Pipe, Add	*41.76*	
		For Bituminous Coated And 25% Paved, Add	*101.90*	
		For Smooth-Flo, Add	*129.68*	
33 42 11 00-0815	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	347.03	62.80
		For Bituminous Coated Pipe, Add	*44.29*	
		For Bituminous Coated And 25% Paved, Add	*108.06*	
		For Smooth-Flo, Add	*137.51*	
33 42 11 00-0816	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	368.15	66.73
		For Bituminous Coated Pipe, Add	*46.82*	
		For Bituminous Coated And 25% Paved, Add	*114.25*	
		For Smooth-Flo, Add	*145.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0817	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	391.66	70.65
		For Bituminous Coated Pipe, Add	*49.41*	
		For Bituminous Coated And 25% Paved, Add	*120.56*	
		For Smooth-Flo, Add	*153.42*	
33 42 11 00-0818	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	416.90	78.50
		For Bituminous Coated Pipe, Add	*51.98*	
		For Bituminous Coated And 25% Paved, Add	*126.83*	
		For Smooth-Flo, Add	*161.39*	
33 42 11 00-0819	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	445.06	86.35
		For Bituminous Coated Pipe, Add	*55.20*	
		For Bituminous Coated And 25% Paved, Add	*134.68*	
		For Smooth-Flo, Add	*171.38*	

33 42 11 00-0820 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0810)*

33 42 11 00-0821	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	322.36	50.24
		For Bituminous Coated Pipe, Add	*44.49*	
		For Bituminous Coated And 25% Paved, Add	*100.55*	
		For Smooth-Flo, Add	*109.22*	
33 42 11 00-0822	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	348.22	54.95
		For Bituminous Coated Pipe, Add	*47.66*	
		For Bituminous Coated And 25% Paved, Add	*107.72*	
		For Smooth-Flo, Add	*117.02*	
33 42 11 00-0823	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	371.86	58.88
		For Bituminous Coated Pipe, Add	*50.82*	
		For Bituminous Coated And 25% Paved, Add	*114.86*	
		For Smooth-Flo, Add	*124.77*	
33 42 11 00-0824	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	395.58	62.80
		For Bituminous Coated Pipe, Add	*54.00*	
		For Bituminous Coated And 25% Paved, Add	*122.03*	
		For Smooth-Flo, Add	*132.56*	
33 42 11 00-0825	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	419.34	66.73
		For Bituminous Coated Pipe, Add	*57.06*	
		For Bituminous Coated And 25% Paved, Add	*128.96*	
		For Smooth-Flo, Add	*140.09*	
33 42 11 00-0826	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	446.44	70.65
		For Bituminous Coated Pipe, Add	*60.37*	
		For Bituminous Coated And 25% Paved, Add	*136.43*	
		For Smooth-Flo, Add	*148.20*	
33 42 11 00-0827	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	474.91	78.50
		For Bituminous Coated Pipe, Add	*63.58*	
		For Bituminous Coated And 25% Paved, Add	*143.69*	
		For Smooth-Flo, Add	*156.09*	
33 42 11 00-0828	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	506.28	86.35
		For Bituminous Coated Pipe, Add	*67.44*	
		For Bituminous Coated And 25% Paved, Add	*152.41*	
		For Smooth-Flo, Add	*165.57*	
33 42 11 00-0829	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	535.58	94.20
		For Bituminous Coated Pipe, Add	*71.08*	
		For Bituminous Coated And 25% Paved, Add	*160.65*	
		For Smooth-Flo, Add	*174.51*	

33 42 11 00-0830 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0747)*

33 42 11 00-0831 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0830)*

33 42 11 00-0832	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	51.47	8.24
33 42 11 00-0833	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.83	8.98
33 42 11 00-0834	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	68.69	9.73
33 42 11 00-0835	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	77.94	10.48
33 42 11 00-0836	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	100.68	13.48
33 42 11 00-0837	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	131.21	17.27

33 42 11 00-0838 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0830)*

33 42 11 00-0839	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.45	8.24
33 42 11 00-0840	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	67.35	8.98
33 42 11 00-0841	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	78.20	9.73
33 42 11 00-0842	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	89.00	10.48
33 42 11 00-0843	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	114.42	13.48
33 42 11 00-0844	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	147.56	17.27
33 42 11 00-0845	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	172.25	20.41

33 42 11 00-0846 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0830)*

33 42 11 00-0847	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	88.24	8.98
33 42 11 00-0848	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	102.94	9.73
33 42 11 00-0849	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.02	10.48
33 42 11 00-0850	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	149.39	13.48
33 42 11 00-0851	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	189.80	17.27
33 42 11 00-0852	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	221.44	20.41
33 42 11 00-0853	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	261.18	23.55
33 42 11 00-0854	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	289.97	26.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0855		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0830)*		
33 42 11 00-0856	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	222.93	17.27
33 42 11 00-0857	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	260.10	20.41
33 42 11 00-0858	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	305.01	23.55
33 42 11 00-0859	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	339.51	26.69
33 42 11 00-0860	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	371.93	28.26
33 42 11 00-0861		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0747)*		
33 42 11 00-0862		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0861)*		
33 42 11 00-0863	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	292.85	26.69
33 42 11 00-0864	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	319.94	28.26
33 42 11 00-0865	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	400.35	34.54
33 42 11 00-0866	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	456.32	50.24
33 42 11 00-0867	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	491.22	54.95
33 42 11 00-0868	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	524.07	58.88
33 42 11 00-0869	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	556.79	62.80
33 42 11 00-0870	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	590.16	66.73
33 42 11 00-0871		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0861)*		
33 42 11 00-0872	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	399.82	28.26
33 42 11 00-0873	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	489.28	34.54
33 42 11 00-0874	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	553.10	50.24
33 42 11 00-0875	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	595.72	54.95
33 42 11 00-0876	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	636.33	58.88
33 42 11 00-0877	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	676.89	62.80
33 42 11 00-0878	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	717.93	66.73
33 42 11 00-0879	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	761.39	70.65
33 42 11 00-0880	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	806.50	78.50
33 42 11 00-0881	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	854.55	86.35
33 42 11 00-0882		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0861)*		
33 42 11 00-0883	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	640.91	50.24
33 42 11 00-0884	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	690.78	54.95
33 42 11 00-0885	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	738.65	58.88
33 42 11 00-0886	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	786.27	62.80
33 42 11 00-0887	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	834.54	66.73
33 42 11 00-0888	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	885.18	70.65
33 42 11 00-0889	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	937.52	78.50
33 42 11 00-0890	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.16	86.35
33 42 11 00-0891	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,054.37	94.20
33 42 11 00-0892		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0747)*		
33 42 11 00-0893		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0892)*		
33 42 11 00-0894	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	545.21	50.24
33 42 11 00-0895	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	585.85	54.95
33 42 11 00-0896	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	624.00	58.88
33 42 11 00-0897	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	662.10	62.80
33 42 11 00-0898	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	701.01	66.73
33 42 11 00-0899	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	742.63	70.65
33 42 11 00-0900	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	785.84	78.50
33 42 11 00-0901	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	836.56	86.35
33 42 11 00-0902		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0892)*		
33 42 11 00-0903	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	638.86	50.24
33 42 11 00-0904	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	686.93	54.95
33 42 11 00-0905	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	732.68	58.88
33 42 11 00-0906	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	778.64	62.80
33 42 11 00-0907	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	823.94	66.73
33 42 11 00-0908	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	874.15	70.65
33 42 11 00-0909	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	925.15	78.50
33 42 11 00-0910	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	983.66	86.35
33 42 11 00-0911	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,038.35	94.20
33 42 11 00-0912		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0405)*		
33 42 11 00-0913		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0912)*		
33 42 11 00-0914		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0913)*		
33 42 11 00-0915	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	30.10	7.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0916	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	34.25	8.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.01*	
33 42 11 00-0917	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.56	8.98
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.50*	
33 42 11 00-0918	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	44.05	9.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.16*	
33 42 11 00-0919	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	48.85	10.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.44*	
33 42 11 00-0920	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.38	13.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.84*	
33 42 11 00-0921	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.98	17.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.72*	
33 42 11 00-0922	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.77	20.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.14*	
33 42 11 00-0923	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.50	23.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.81*	

33 42 11 00-0924 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0913)*

33 42 11 00-0925	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.11	7.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.29*	
33 42 11 00-0926	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	37.97	8.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.63*	
33 42 11 00-0927	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.98	8.98
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.02*	
33 42 11 00-0928	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	49.18	9.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.54*	
33 42 11 00-0929	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.80	10.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.79*	
33 42 11 00-0930	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	71.66	13.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.86*	
33 42 11 00-0931	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.79	17.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.37*	
33 42 11 00-0932	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	104.92	20.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.46*	
33 42 11 00-0933	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	118.07	23.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.99*	
33 42 11 00-0934	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.45	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.26*	

33 42 11 00-0935 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0913)*

33 42 11 00-0936	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	52.28	8.98
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.47*	
33 42 11 00-0937	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.03	9.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.84*	
33 42 11 00-0938	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.13	10.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.02*	
33 42 11 00-0939	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.05	13.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.77*	
33 42 11 00-0940	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.35	17.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.85*	
33 42 11 00-0941	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	126.43	20.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.59*	
33 42 11 00-0942	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.61	23.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.97*	
33 42 11 00-0943	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	169.48	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.32*	
33 42 11 00-0944	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	185.11	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.68*	
33 42 11 00-0945	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.97	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.04*	

33 42 11 00-0946 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0913)*

33 42 11 00-0947	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	127.05	17.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.36*	
33 42 11 00-0948	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.96	20.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.35*	
33 42 11 00-0949	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.77	23.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.98*	
33 42 11 00-0950	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.33	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.38*	
33 42 11 00-0951	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	212.77	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.03*	
33 42 11 00-0952	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.35	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.23*	
33 42 11 00-0953	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	302.24	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.85*	

33 42 11 00-0954 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0912)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0955		**16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0954)*		
33 42 11 00-0956	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	96.10	17.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.81*	
33 42 11 00-0957	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.79	20.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.44*	
33 42 11 00-0958	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.40	23.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.41*	
33 42 11 00-0959	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	147.37	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.48*	
33 42 11 00-0960	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	160.57	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.47*	
33 42 11 00-0961	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.48	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.85*	
33 42 11 00-0962	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	242.58	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.93*	
33 42 11 00-0963	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	261.41	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.03*	
33 42 11 00-0964	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.13	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.13*	
33 42 11 00-0965	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.85	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.24*	
33 42 11 00-0966	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	312.12	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.33*	
33 42 11 00-0967	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.63	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.46*	
33 42 11 00-0968		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0954)*		
33 42 11 00-0969	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	162.45	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.01*	
33 42 11 00-0970	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	177.23	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.67*	
33 42 11 00-0971	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	219.82	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.87*	
33 42 11 00-0972	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.56	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.61*	
33 42 11 00-0973	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	283.01	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.35*	
33 42 11 00-0974	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.43	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.12*	
33 42 11 00-0975	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.74	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.86*	
33 42 11 00-0976	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	338.62	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.60*	
33 42 11 00-0977	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.75	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.37*	
33 42 11 00-0978	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	382.66	78.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.12*	
33 42 11 00-0979	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	405.08	86.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.83*	
33 42 11 00-0980		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0954)*		
33 42 11 00-0981	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.28	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.48*	
33 42 11 00-0982	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.83	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.97*	
33 42 11 00-0983	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	307.14	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.74*	
33 42 11 00-0984	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.21	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.53*	
33 42 11 00-0985	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	353.21	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.34*	
33 42 11 00-0986	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	375.14	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.13*	
33 42 11 00-0987	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	397.63	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.91*	
33 42 11 00-0988	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	422.35	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.71*	
33 42 11 00-0989	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	448.84	78.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.50*	
33 42 11 00-0990	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	474.88	86.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.26*	
33 42 11 00-0991	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	500.10	94.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.06*	
33 42 11 00-0992		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0954)*		
33 42 11 00-0993	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	348.72	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.42*	
33 42 11 00-0994	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	376.14	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.22*	
33 42 11 00-0995	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	401.56	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0996	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	426.86	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.85*	
33 42 11 00-0997	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	452.81	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.66*	
33 42 11 00-0998	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	480.96	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.50*	
33 42 11 00-0999	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.82	78.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.30*	
33 42 11 00-1000	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	540.26	86.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.07*	
33 42 11 00-1001	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	568.91	94.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.91*	
33 42 11 00-1002	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	598.99	102.05
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.70*	
33 42 11 00-1003	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	631.09	109.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*116.53*	
33 42 11 00-1004	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	665.58	117.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.36*	

33 42 11 00-1005 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0912)

33 42 11 00-1006 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1005)*

33 42 11 00-1007	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.88	23.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.96*	
33 42 11 00-1008	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	148.25	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.60*	
33 42 11 00-1009	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.34	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.25*	
33 42 11 00-1010	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	199.78	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.96*	
33 42 11 00-1011	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	240.68	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.67*	
33 42 11 00-1012	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.29	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.39*	
33 42 11 00-1013	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.69	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.07*	
33 42 11 00-1014	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.05	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.74*	
33 42 11 00-1015	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	309.15	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.48*	
33 42 11 00-1016	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.60	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.30*	

33 42 11 00-1017 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1005)*

33 42 11 00-1018	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	167.10	26.69
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.23*	
33 42 11 00-1019	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	182.34	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.83*	
33 42 11 00-1020	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	222.66	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.71*	
33 42 11 00-1021	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.42	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.27*	
33 42 11 00-1022	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	286.24	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.96*	
33 42 11 00-1023	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.74	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.58*	
33 42 11 00-1024	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	322.17	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.83*	
33 42 11 00-1025	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.28	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.81*	
33 42 11 00-1026	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	363.52	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.43*	
33 42 11 00-1027	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	386.46	78.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.01*	
33 42 11 00-1028	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	409.33	86.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*81.69*	

33 42 11 00-1029 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1005)*

33 42 11 00-1030	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	221.59	28.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*47.26*	
33 42 11 00-1031	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.93	34.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.71*	
33 42 11 00-1032	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	312.81	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.89*	
33 42 11 00-1033	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	337.25	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.02*	
33 42 11 00-1034	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.47	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.13*	
33 42 11 00-1035	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	381.89	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1036	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	404.74	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.42*	
33 42 11 00-1037	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.75	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*81.55*	
33 42 11 00-1038	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	456.69	78.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*85.71*	
33 42 11 00-1039	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	483.21	86.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.84*	
33 42 11 00-1040	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	508.75	94.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.98*	
33 42 11 00-1041		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1005)*		
33 42 11 00-1042	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	358.18	50.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.87*	
33 42 11 00-1043	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	386.85	54.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.21*	
33 42 11 00-1044	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.01	58.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.44*	
33 42 11 00-1045	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	438.99	62.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.63*	
33 42 11 00-1046	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	465.70	66.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.86*	
33 42 11 00-1047	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	494.48	70.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*100.06*	
33 42 11 00-1048	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	525.16	78.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.29*	
33 42 11 00-1049	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	555.48	86.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.51*	
33 42 11 00-1050	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	584.73	94.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.71*	
33 42 11 00-1051	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	621.38	102.05
		For 1/2 Bituminous Coated And 25% Paved, Add	*122.57*	
33 42 11 00-1052	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	655.69	109.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.22*	
33 42 11 00-1053	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	693.13	117.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*134.09*	
33 42 11 00-1054		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0912)*		
33 42 11 00-1055		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1054)*		
33 42 11 00-1056	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	43.63	8.98
33 42 11 00-1057	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	49.92	9.73
33 42 11 00-1058	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	55.80	10.48
33 42 11 00-1059	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	72.85	13.48
33 42 11 00-1060	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.93	17.27
33 42 11 00-1061	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	106.25	20.41
33 42 11 00-1062	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	119.85	23.55
33 42 11 00-1063	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	142.24	26.69
33 42 11 00-1064	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	155.41	28.26
33 42 11 00-1065		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1054)*		
33 42 11 00-1066	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	48.00	8.98
33 42 11 00-1067	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	55.02	9.73
33 42 11 00-1068	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	61.58	10.48
33 42 11 00-1069	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.08	13.48
33 42 11 00-1070	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.63	17.27
33 42 11 00-1071	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.42	20.41
33 42 11 00-1072	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	131.47	23.55
33 42 11 00-1073	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	155.31	26.69
33 42 11 00-1074	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	169.98	28.26
33 42 11 00-1075	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	206.70	34.54
33 42 11 00-1076	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.87	50.24
33 42 11 00-1077	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	268.89	54.95
33 42 11 00-1078		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1054)*		
33 42 11 00-1079	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	94.73	13.48
33 42 11 00-1080	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	119.17	17.27
33 42 11 00-1081	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	136.97	20.41
33 42 11 00-1082	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	154.91	23.55
33 42 11 00-1083	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	181.66	26.69
33 42 11 00-1084	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	199.31	28.26
33 42 11 00-1085	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	238.89	34.54
33 42 11 00-1086	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	283.96	50.24
33 42 11 00-1087	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	306.90	54.95
33 42 11 00-1088	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	327.62	58.88
33 42 11 00-1089	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	348.36	62.80
33 42 11 00-1090	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	369.60	66.73
33 42 11 00-1091	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	391.63	70.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1092		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0405)*		
33 42 11 00-1093		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1092)*		
33 42 11 00-1094		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1093)*		
33 42 11 00-1095	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	35.27	8.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.05*	
33 42 11 00-1096	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	39.47	8.98
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.82*	
33 42 11 00-1097	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	45.30	9.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*13.01*	
33 42 11 00-1098	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	50.95	10.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*14.99*	
33 42 11 00-1099	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	66.28	13.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.04*	
33 42 11 00-1100	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	86.46	17.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.56*	
33 42 11 00-1101		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1093)*		
33 42 11 00-1102	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	38.99	8.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.38*	
33 42 11 00-1103	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	43.97	8.98
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.24*	
33 42 11 00-1104	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	50.37	9.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*13.37*	
33 42 11 00-1105	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	56.82	10.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.42*	
33 42 11 00-1106	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	73.59	13.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.52*	
33 42 11 00-1107	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	95.16	17.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.87*	
33 42 11 00-1108	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	109.68	20.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*29.63*	
33 42 11 00-1109		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1093)*		
33 42 11 00-1110	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	53.15	8.98
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.29*	
33 42 11 00-1111	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	61.25	9.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*12.24*	
33 42 11 00-1112	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	69.14	10.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*14.05*	
33 42 11 00-1113	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	88.98	13.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.72*	
33 42 11 00-1114	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	113.76	17.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.29*	
33 42 11 00-1115	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	131.36	20.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*26.41*	
33 42 11 00-1116	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	153.92	23.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.45*	
33 42 11 00-1117	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	171.69	26.69
		For 1/2 Bituminous Coated And 40% Paved, Add	*34.67*	
33 42 11 00-1118		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1093)*		
33 42 11 00-1119	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	130.45	17.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.45*	
33 42 11 00-1120	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	150.83	20.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.72*	
33 42 11 00-1121	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	176.00	23.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.73*	
33 42 11 00-1122	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	196.66	26.69
		For 1/2 Bituminous Coated And 40% Paved, Add	*36.24*	
33 42 11 00-1123	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	215.30	28.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*39.74*	
33 42 11 00-1124		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1092)*		
33 42 11 00-1125		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1124)*		
33 42 11 00-1126	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	165.42	26.69
		For 1/2 Bituminous Coated And 40% Paved, Add	*52.07*	
33 42 11 00-1127	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	180.78	28.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*56.98*	
33 42 11 00-1128	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	223.90	34.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*71.57*	
33 42 11 00-1129	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	267.43	50.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*76.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1130	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	289.27	54.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*82.15*	
33 42 11 00-1131	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	309.00	58.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*87.59*	
33 42 11 00-1132	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	328.66	62.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*93.00*	
33 42 11 00-1133	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	348.94	66.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*98.43*	

33 42 11 00-1134 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1124)*

33 42 11 00-1135	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	217.85	28.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*64.76*	
33 42 11 00-1136	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	265.00	34.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*79.15*	
33 42 11 00-1137	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	312.18	50.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*85.12*	
33 42 11 00-1138	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	337.59	54.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*91.30*	
33 42 11 00-1139	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	360.97	58.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*97.53*	
33 42 11 00-1140	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	384.30	62.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*103.74*	
33 42 11 00-1141	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	408.14	66.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*109.92*	
33 42 11 00-1142	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	434.28	70.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*116.16*	
33 42 11 00-1143	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	462.16	78.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*122.37*	
33 42 11 00-1144	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	491.26	86.35
		For 1/2 Bituminous Coated And 40% Paved, Add	*129.19*	

33 42 11 00-1145 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1124)*

33 42 11 00-1146	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	353.73	50.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*92.14*	
33 42 11 00-1147	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	382.60	54.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*98.99*	
33 42 11 00-1148	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	409.38	58.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.86*	
33 42 11 00-1149	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	436.05	62.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*112.69*	
33 42 11 00-1150	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	465.62	66.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*120.37*	
33 42 11 00-1151	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	492.86	70.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*126.41*	
33 42 11 00-1152	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	524.17	78.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*133.28*	
33 42 11 00-1153	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	556.36	86.35
		For 1/2 Bituminous Coated And 40% Paved, Add	*140.58*	
33 42 11 00-1154	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	591.64	94.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*149.37*	

33 42 11 00-1155 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1092)*

33 42 11 00-1156 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1155)*

33 42 11 00-1157	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	316.38	50.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*83.77*	
33 42 11 00-1158	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	341.42	54.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.60*	
33 42 11 00-1159	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	364.17	58.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*95.36*	
33 42 11 00-1160	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	386.90	62.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*101.12*	
33 42 11 00-1161	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	410.30	66.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*106.92*	
33 42 11 00-1162	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	436.13	70.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*112.82*	
33 42 11 00-1163	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	463.69	78.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*118.69*	
33 42 11 00-1164	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	494.75	86.35
		For 1/2 Bituminous Coated And 40% Paved, Add	*126.03*	

33 42 11 00-1165 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1155)*

33 42 11 00-1166	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	362.40	50.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*92.92*	
33 42 11 00-1167	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	391.13	54.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1168	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	417.60	58.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*106.15*	
33 42 11 00-1169	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	444.18	62.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*112.78*	
33 42 11 00-1170	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	470.72	66.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*119.19*	
33 42 11 00-1171	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	500.77	70.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*126.08*	
33 42 11 00-1172	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	532.16	78.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*132.80*	
33 42 11 00-1173	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	566.99	86.35
		For 1/2 Bituminous Coated And 40% Paved, Add	*140.86*	
33 42 11 00-1174	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	599.58	94.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*148.47*	
33 42 11 00-1175		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0405)*		
33 42 11 00-1176		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*		
33 42 11 00-1177		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1176)*		
33 42 11 00-1178	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	17.95	4.49
		For Bituminous Coated Pipe, Add	*1.72*	
33 42 11 00-1179	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	23.07	5.62
		For Bituminous Coated Pipe, Add	*2.34*	
33 42 11 00-1180	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	29.86	6.74
		For Bituminous Coated Pipe, Add	*3.08*	
33 42 11 00-1181		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1176)*		
33 42 11 00-1182	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	19.92	4.49
		For Bituminous Coated Pipe, Add	*1.71*	
33 42 11 00-1183	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	25.86	5.62
		For Bituminous Coated Pipe, Add	*2.34*	
33 42 11 00-1184	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	33.59	6.74
		For Bituminous Coated Pipe, Add	*3.08*	
33 42 11 00-1185		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*		
33 42 11 00-1186		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1185)*		
33 42 11 00-1187	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	34.64	7.86
		For Bituminous Coated Pipe, Add	*3.39*	
33 42 11 00-1188	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	39.89	8.24
		For Bituminous Coated Pipe, Add	*4.25*	
33 42 11 00-1189	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	45.46	8.98
		For Bituminous Coated Pipe, Add	*5.17*	
33 42 11 00-1190	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	52.25	9.73
		For Bituminous Coated Pipe, Add	*6.17*	
33 42 11 00-1191	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	58.34	10.48
		For Bituminous Coated Pipe, Add	*6.99*	
33 42 11 00-1192		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1185)*		
33 42 11 00-1193	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	38.88	7.86
		For Bituminous Coated Pipe, Add	*3.31*	
33 42 11 00-1194	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	45.29	8.24
		For Bituminous Coated Pipe, Add	*4.17*	
33 42 11 00-1195	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	51.93	8.98
		For Bituminous Coated Pipe, Add	*5.06*	
33 42 11 00-1196	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	59.75	9.73
		For Bituminous Coated Pipe, Add	*6.00*	
33 42 11 00-1197	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	66.95	10.48
		For Bituminous Coated Pipe, Add	*6.82*	
33 42 11 00-1198	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	87.13	13.48
		For Bituminous Coated Pipe, Add	*8.74*	
33 42 11 00-1199	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	110.60	17.27
		For Bituminous Coated Pipe, Add	*10.87*	
33 42 11 00-1200		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1185)*		
33 42 11 00-1201	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	83.40	10.48
		For Bituminous Coated Pipe, Add	*6.47*	
33 42 11 00-1202	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	107.61	13.48
		For Bituminous Coated Pipe, Add	*8.24*	
33 42 11 00-1203	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	135.20	17.27
		For Bituminous Coated Pipe, Add	*10.15*	
33 42 11 00-1204	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	155.88	20.41
		For Bituminous Coated Pipe, Add	*11.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1205	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	176.30	23.55
		For Bituminous Coated Pipe, Add	*13.51*	
33 42 11 00-1206	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	207.38	26.69
		For Bituminous Coated Pipe, Add	*16.03*	

33 42 11 00-1207 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1185)*

33 42 11 00-1208	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	161.42	17.27
		For Bituminous Coated Pipe, Add	*9.98*	
33 42 11 00-1209	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	186.42	20.41
		For Bituminous Coated Pipe, Add	*11.72*	
33 42 11 00-1210	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	211.31	23.55
		For Bituminous Coated Pipe, Add	*13.30*	
33 42 11 00-1211	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	246.76	26.69
		For Bituminous Coated Pipe, Add	*15.60*	
33 42 11 00-1212	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	271.28	28.26
		For Bituminous Coated Pipe, Add	*17.19*	

33 42 11 00-1213 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1175)*

33 42 11 00-1214 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1213)*

33 42 11 00-1215	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	85.79	13.48
33 42 11 00-1216	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	108.93	17.27
33 42 11 00-1217	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	124.68	20.41
33 42 11 00-1218	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	141.20	23.55
33 42 11 00-1219	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	166.72	26.69

33 42 11 00-1220 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1213)*

33 42 11 00-1221	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	96.58	13.48
33 42 11 00-1222	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	124.32	17.27
33 42 11 00-1223	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	142.55	20.41
33 42 11 00-1224	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	160.70	23.55
33 42 11 00-1225	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	189.56	26.69
33 42 11 00-1226	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	207.26	28.26
33 42 11 00-1227	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	252.10	34.54
33 42 11 00-1228	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	297.58	50.24
33 42 11 00-1229	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	320.80	54.95

33 42 11 00-1230 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1213)*

33 42 11 00-1231	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	121.77	13.48
33 42 11 00-1232	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	152.65	17.27
33 42 11 00-1233	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	176.40	20.41
33 42 11 00-1234	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	199.52	23.55
33 42 11 00-1235	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	233.14	26.69
33 42 11 00-1236	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	255.52	28.26
33 42 11 00-1237	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	305.02	34.54
33 42 11 00-1238	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	355.30	50.24
33 42 11 00-1239	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	383.24	54.95
33 42 11 00-1240	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	409.13	58.88
33 42 11 00-1241	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	434.93	62.80
33 42 11 00-1242	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	461.32	66.73

33 42 11 00-1243 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1213)*

33 42 11 00-1244	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	306.28	28.26
33 42 11 00-1245	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	358.71	34.54
33 42 11 00-1246	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	413.81	50.24
33 42 11 00-1247	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	446.58	54.95
33 42 11 00-1248	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	477.21	58.88
33 42 11 00-1249	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	507.82	62.80
33 42 11 00-1250	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	538.99	66.73
33 42 11 00-1251	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	572.42	70.65
33 42 11 00-1252	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	607.60	78.50

33 42 11 00-1253 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1175)*

Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.

33 42 11 00-1254 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1253)*

33 42 11 00-1255	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.98	8.98
33 42 11 00-1256	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.51	9.73
33 42 11 00-1257	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	77.65	10.48
33 42 11 00-1258	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.65	11.98
33 42 11 00-1259	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.57	13.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1260	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	112.10	14.97
33 42 11 00-1261		**14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1253)*		
33 42 11 00-1262	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.11	8.98
33 42 11 00-1263	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.81	9.73
33 42 11 00-1264	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.92	10.48
33 42 11 00-1265	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.42	11.98
33 42 11 00-1266	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.85	13.48
33 42 11 00-1267	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.94	14.97
33 42 11 00-1268	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.27	17.27
33 42 11 00-1269	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	167.61	20.41
33 42 11 00-1270	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.66	23.55
33 42 11 00-1271		**12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1253)*		
33 42 11 00-1272	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.72	13.48
33 42 11 00-1273	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.73	14.97
33 42 11 00-1274	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.09	17.27
33 42 11 00-1275	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	209.44	20.41
33 42 11 00-1276	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	237.47	23.55
33 42 11 00-1277	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.10	26.69
33 42 11 00-1278	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	361.08	28.26
33 42 11 00-1279		**10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1253)*		
33 42 11 00-1280	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	334.88	23.55
33 42 11 00-1281	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	388.16	26.69
33 42 11 00-1282	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	427.88	28.26
33 42 11 00-1283	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	497.19	34.54
33 42 11 00-1284	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	563.80	50.24
33 42 11 00-1285	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	608.62	54.95
33 42 11 00-1286	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	650.93	58.88
33 42 11 00-1287		**Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-0405)*		
33 42 11 00-1288		**2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1287)*		
33 42 11 00-1289		**16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1288)*		
33 42 11 00-1290	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	41.82	8.24
		For Bituminous Coated Pipe, Add	*4.26*	
33 42 11 00-1291	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	47.28	8.98
		For Bituminous Coated Pipe, Add	*5.09*	
33 42 11 00-1292	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	54.33	9.73
		For Bituminous Coated Pipe, Add	*6.06*	
33 42 11 00-1293		**14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1288)*		
33 42 11 00-1294	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	47.23	8.24
		For Bituminous Coated Pipe, Add	*4.24*	
33 42 11 00-1295	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	52.47	8.98
		For Bituminous Coated Pipe, Add	*4.89*	
33 42 11 00-1296	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	61.83	9.73
		For Bituminous Coated Pipe, Add	*6.01*	
33 42 11 00-1297	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	69.77	10.48
		For Bituminous Coated Pipe, Add	*6.89*	
33 42 11 00-1298	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	89.94	13.48
		For Bituminous Coated Pipe, Add	*8.72*	
33 42 11 00-1299		**12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1288)*		
33 42 11 00-1300	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	86.23	10.48
		For Bituminous Coated Pipe, Add	*6.57*	
33 42 11 00-1301	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	110.47	13.48
		For Bituminous Coated Pipe, Add	*8.28*	
33 42 11 00-1302	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	140.03	17.27
		For Bituminous Coated Pipe, Add	*10.34*	
33 42 11 00-1303	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	162.24	20.41
		For Bituminous Coated Pipe, Add	*12.23*	
33 42 11 00-1304		**10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1288)*		
33 42 11 00-1305	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	166.22	17.27
		For Bituminous Coated Pipe, Add	*9.98*	
33 42 11 00-1306	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	192.84	20.41
		For Bituminous Coated Pipe, Add	*11.77*	
33 42 11 00-1307	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	224.19	23.55
		For Bituminous Coated Pipe, Add	*13.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1308	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	250.99	26.69
		For Bituminous Coated Pipe, Add	*15.34*	
33 42 11 00-1309		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1287)*		
33 42 11 00-1310		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1309)*		
33 42 11 00-1311	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	193.79	26.69
33 42 11 00-1312	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	212.18	28.26
33 42 11 00-1313	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	258.18	34.54
33 42 11 00-1314		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1309)*		
33 42 11 00-1315	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	237.37	26.69
33 42 11 00-1316	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	260.44	28.26
33 42 11 00-1317	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	310.89	34.54
33 42 11 00-1318	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	361.61	50.24
33 42 11 00-1319	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	390.00	54.95
33 42 11 00-1320	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	416.33	58.88
33 42 11 00-1321		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1309)*		
33 42 11 00-1322	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	311.12	28.26
33 42 11 00-1323	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	364.36	34.54
33 42 11 00-1324	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	419.89	50.24
33 42 11 00-1325	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	453.11	54.95
33 42 11 00-1326	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	484.18	58.88
33 42 11 00-1327	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	515.23	62.80
33 42 11 00-1328		Corrugated Steel Pipe Fittings *(33 42 11 00-0405)*		
		Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1329		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 42 11 00-1328)*		
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1330	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	63.07	
33 42 11 00-1331	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	79.09	
33 42 11 00-1332	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	95.12	
33 42 11 00-1333	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	112.15	
33 42 11 00-1334	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	136.17	
33 42 11 00-1335	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	160.18	
33 42 11 00-1336	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	184.22	
33 42 11 00-1337	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	208.24	
33 42 11 00-1338	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	271.33	
33 42 11 00-1339	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	323.37	
33 42 11 00-1340	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	375.44	
33 42 11 00-1341	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	485.56	
33 42 11 00-1342	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	547.65	
33 42 11 00-1343	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	611.73	
33 42 11 00-1344	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	677.80	
33 42 11 00-1345	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	825.97	
33 42 11 00-1346	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	901.05	
33 42 11 00-1347	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	978.14	
33 42 11 00-1348	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,200.40	
33 42 11 00-1349	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,288.51	
33 42 11 00-1350	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,377.62	
33 42 11 00-1351	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,466.71	
33 42 11 00-1352	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,554.82	
33 42 11 00-1353	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,643.93	
33 42 11 00-1354	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,737.87	
33 42 11 00-1355	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,837.19	
33 42 11 00-1356	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,942.16	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1357			**Fabricate Corrugated Steel Pipe Tees Or Laterals** *(33 42 11 00-1328)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
	33 42 11 00-1358	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	82.10	
	33 42 11 00-1359	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	105.13	
	33 42 11 00-1360	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	128.13	
	33 42 11 00-1361	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	151.18	
	33 42 11 00-1362	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	184.22	
	33 42 11 00-1363	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	218.25	
	33 42 11 00-1364	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	252.30	
	33 42 11 00-1365	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	286.32	
	33 42 11 00-1366	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	375.44	
	33 42 11 00-1367	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	447.53	
	33 42 11 00-1368	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	520.60	
	33 42 11 00-1369	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	675.78	
	33 42 11 00-1370	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	760.89	
	33 42 11 00-1371	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	848.98	
	33 42 11 00-1372	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	939.10	
	33 42 11 00-1373	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,145.33	
	33 42 11 00-1374	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,247.46	
	33 42 11 00-1375	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,351.58	
	33 42 11 00-1376	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,662.93	
	33 42 11 00-1377	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,782.08	
	33 42 11 00-1378	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	1,901.22	
	33 42 11 00-1379	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,021.34	
	33 42 11 00-1380	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,141.49	
	33 42 11 00-1381	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,260.62	
	33 42 11 00-1382	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	2,386.38	
	33 42 11 00-1383	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,519.14	
	33 42 11 00-1384	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,659.27	
33 42 11 00-1385			**Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting** *(33 42 11 00-1328)* Note: Applied to pipe tasks.		
	33 42 11 00-1386	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	31.93	
	33 42 11 00-1387	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	40.17	
	33 42 11 00-1388	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	50.52	
	33 42 11 00-1389	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	61.87	
	33 42 11 00-1390	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	78.29	
	33 42 11 00-1391	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	95.87	
	33 42 11 00-1392	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	112.29	
	33 42 11 00-1393	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	130.46	
	33 42 11 00-1394	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	160.24	
	33 42 11 00-1395	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	191.05	
	33 42 11 00-1396	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	227.96	
	33 42 11 00-1397	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	280.41	
	33 42 11 00-1398	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	317.40	
	33 42 11 00-1399	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	357.44	
	33 42 11 00-1400	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	433.47	
	33 42 11 00-1401	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	480.70	
	33 42 11 00-1402	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	586.50	
	33 42 11 00-1403	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	638.90	
	33 42 11 00-1404	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	694.39	
	33 42 11 00-1405	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	748.79	
	33 42 11 00-1406	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	804.27	
	33 42 11 00-1407	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	860.75	
	33 42 11 00-1408	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	916.24	
	33 42 11 00-1409	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	971.69	
	33 42 11 00-1410	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,030.50	
	33 42 11 00-1411	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,092.86	
	33 42 11 00-1412	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,159.01	
33 42 11 00-1413			**Coupling Bands, Corrugated Metal Pipe Fitting** *(33 42 11 00-1328)*		
	33 42 11 00-1414	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	9.86	
			For Bituminous Coated, Add	*2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1415	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	13.09	
		For Bituminous Coated, Add	*3.80*	
33 42 11 00-1416	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	16.49	
		For Bituminous Coated, Add	*4.78*	
33 42 11 00-1417	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	27.38	
		For Bituminous Coated, Add	*7.94*	
33 42 11 00-1418	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	34.52	
		For Bituminous Coated, Add	*10.01*	
33 42 11 00-1419	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	50.65	
		For Bituminous Coated, Add	*14.69*	
33 42 11 00-1420	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	60.11	
		For Bituminous Coated, Add	*17.43*	
33 42 11 00-1421	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	68.16	
		For Bituminous Coated, Add	*19.77*	
33 42 11 00-1422	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	117.96	
		For Bituminous Coated, Add	*34.21*	
33 42 11 00-1423	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	188.72	
		For Bituminous Coated, Add	*45.29*	
33 42 11 00-1424	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	221.74	
		For Bituminous Coated, Add	*53.22*	
33 42 11 00-1425	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	248.47	
		For Bituminous Coated, Add	*59.63*	
33 42 11 00-1426	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	352.36	
		For Bituminous Coated, Add	*84.57*	
33 42 11 00-1427	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	503.99	
		For Bituminous Coated, Add	*90.72*	
33 42 11 00-1428	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	619.39	
		For Bituminous Coated, Add	*111.49*	
33 42 11 00-1429	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	795.65	
		For Bituminous Coated, Add	*111.39*	
33 42 11 00-1430	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	851.00	
		For Bituminous Coated, Add	*119.14*	
33 42 11 00-1431	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	906.66	
		For Bituminous Coated, Add	*126.93*	
33 42 11 00-1432	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	962.04	
		For Bituminous Coated, Add	*134.69*	
33 42 11 00-1433	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,017.56	
		For Bituminous Coated, Add	*142.46*	
33 42 11 00-1434	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,073.22	
		For Bituminous Coated, Add	*150.25*	
33 42 11 00-1435	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	1,128.62	
		For Bituminous Coated, Add	*158.01*	
33 42 11 00-1436	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	1,336.73	
		For Bituminous Coated, Add	*160.41*	
33 42 11 00-1437	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	1,239.35	
		For Bituminous Coated, Add	*148.72*	
33 42 11 00-1438	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	1,294.59	
		For Bituminous Coated, Add	*155.35*	
33 42 11 00-1439	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	1,350.22	
		For Bituminous Coated, Add	*162.03*	
33 42 11 00-1440	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	1,405.91	
		For Bituminous Coated, Add	*168.71*	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0722 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	510.88	39.25
		For Each LF Of Cut-Off Section, Add	*20.44*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	583.13	39.25
		For Each LF Of Cut-Off Section, Add	*23.33*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	699.85	39.25
		For Each LF Of Cut-Off Section, Add	*27.99*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	837.30	49.06
		For Each LF Of Cut-Off Section, Add	*33.49*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	859.53	49.06
		For Each LF Of Cut-Off Section, Add	*34.38*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	870.64	49.06
		For Each LF Of Cut-Off Section, Add	*34.83*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	897.03	51.03
		For Each LF Of Cut-Off Section, Add	*35.88*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	902.58	51.03
		For Each LF Of Cut-Off Section, Add	*36.10*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	1,002.63	51.03
		For Each LF Of Cut-Off Section, Add	*40.11*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	1,019.20	58.88
		For Each LF Of Cut-Off Section, Add	*40.77*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	1,063.98	80.07
		For Each LF Of Cut-Off Section, Add	*42.56*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	1,008.19	51.03
		For Each LF Of Cut-Off Section, Add	*40.33*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	1,024.76	58.88
		For Each LF Of Cut-Off Section, Add	*40.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	1,041.43	58.88
		For Each LF Of Cut-Off Section, Add	*41.66*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,245.19	78.50
		For Each LF Of Cut-Off Section, Add	*49.81*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,249.64	78.50
		For Each LF Of Cut-Off Section, Add	*49.99*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,365.57	98.13
		For Each LF Of Cut-Off Section, Add	*54.62*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,388.59	78.50
		For Each LF Of Cut-Off Section, Add	*55.54*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,446.71	98.13
		For Each LF Of Cut-Off Section, Add	*57.87*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,452.27	98.13
		For Each LF Of Cut-Off Section, Add	*58.09*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,796.87	98.13
		For Each LF Of Cut-Off Section, Add	*71.87*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,860.55	117.75
		For Each LF Of Cut-Off Section, Add	*74.42*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,882.78	117.75
		For Each LF Of Cut-Off Section, Add	*75.31*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,888.34	117.75
		For Each LF Of Cut-Off Section, Add	*75.53*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,896.12	117.75
		For Each LF Of Cut-Off Section, Add	*75.84*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,946.47	137.38
		For Each LF Of Cut-Off Section, Add	*77.86*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,946.47	137.38
		For Each LF Of Cut-Off Section, Add	*77.86*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,946.47	137.38
		For Each LF Of Cut-Off Section, Add	*77.86*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,946.47	137.38
		For Each LF Of Cut-Off Section, Add	*77.86*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,899.44	157.01
		For Each LF Of Cut-Off Section, Add	*115.98*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	4,122.20	157.01
		For Each LF Of Cut-Off Section, Add	*164.89*	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0722 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,361.81	39.25
		For Each LF Of Cut-Off Section, Add	*54.47*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,468.57	39.25
		For Each LF Of Cut-Off Section, Add	*58.74*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,657.54	39.25
		For Each LF Of Cut-Off Section, Add	*66.30*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,867.18	49.06
		For Each LF Of Cut-Off Section, Add	*74.69*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,056.14	49.06
		For Each LF Of Cut-Off Section, Add	*82.25*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,245.10	49.06
		For Each LF Of Cut-Off Section, Add	*89.80*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,060.29	51.03
		For Each LF Of Cut-Off Section, Add	*82.41*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,249.25	51.03
		For Each LF Of Cut-Off Section, Add	*89.97*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,627.18	51.03
		For Each LF Of Cut-Off Section, Add	*105.09*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,454.78	58.88
		For Each LF Of Cut-Off Section, Add	*98.19*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,877.44	80.07
		For Each LF Of Cut-Off Section, Add	*115.10*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	2,249.25	51.03
		For Each LF Of Cut-Off Section, Add	*89.97*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,454.78	58.88
		For Each LF Of Cut-Off Section, Add	*98.19*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,643.75	58.88
		For Each LF Of Cut-Off Section, Add	*105.75*	
33 42 13 13-0048	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,874.13	78.50
		For Each LF Of Cut-Off Section, Add	*114.97*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,063.09	78.50
		For Each LF Of Cut-Off Section, Add	*122.52*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,482.46	98.13
		For Each LF Of Cut-Off Section, Add	*139.30*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,094.02	78.50
		For Each LF Of Cut-Off Section, Add	*123.76*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,539.33	98.13
		For Each LF Of Cut-Off Section, Add	*141.57*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,498.22	98.13
		For Each LF Of Cut-Off Section, Add	*139.93*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,722.59	98.13
		For Each LF Of Cut-Off Section, Add	*148.90*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,988.41	117.75
		For Each LF Of Cut-Off Section, Add	*159.54*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,212.78	117.75
		For Each LF Of Cut-Off Section, Add	*168.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	4,437.19	117.75
		For Each LF Of Cut-Off Section, Add	*177.49*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,661.57	117.75
		For Each LF Of Cut-Off Section, Add	*186.46*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	4,626.67	137.38
		For Each LF Of Cut-Off Section, Add	*185.07*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,881.72	137.38
		For Each LF Of Cut-Off Section, Add	*195.27*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	5,391.90	137.38
		For Each LF Of Cut-Off Section, Add	*215.68*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	5,902.08	137.38
		For Each LF Of Cut-Off Section, Add	*236.08*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,077.25	157.01
		For Each LF Of Cut-Off Section, Add	*283.09*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	9,004.57	157.01
		For Each LF Of Cut-Off Section, Add	*360.18*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0003	EA	12" Pipe, Precast Concrete Headwall	545.46	134.77
33 42 23 00-0004	EA	15" Pipe, Precast Concrete Headwall	567.93	142.26
33 42 23 00-0005	EA	18" Pipe, Precast Concrete Headwall	626.61	161.73
33 42 23 00-0006	EA	24" Pipe, Precast Concrete Headwall	689.97	172.21
33 42 23 00-0007	EA	30" Pipe, Precast Concrete Headwall	904.74	202.16
33 42 23 00-0008	EA	36" Pipe, Precast Concrete Headwall	1,022.12	209.64
33 42 23 00-0009	EA	42" Pipe, Precast Concrete Headwall	1,317.35	242.26
33 42 23 00-0010	EA	48" Pipe, Precast Concrete Headwall	1,449.45	266.90
33 42 23 00-0011	EA	54" Pipe, Precast Concrete Headwall	1,595.50	282.60
33 42 23 00-0012	EA	60" Pipe, Precast Concrete Headwall	1,802.81	282.60
33 42 23 00-0013	EA	72" Pipe, Precast Concrete Headwall	2,154.61	353.25
33 42 23 00-0014	EA	84" Pipe, Precast Concrete Headwall	3,012.12	423.90

33 42 23 00-0015 Precast Concrete Wingwalls *(33 42 23 00-0001)*

33 42 23 00-0016	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,447.64	1,398.88
33 42 23 00-0017	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,683.14	1,554.31
33 42 23 00-0018	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,075.64	1,813.36
33 42 23 00-0019	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	4,468.15	2,072.42
33 42 23 00-0020	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,468.15	2,072.42
33 42 23 00-0021	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,625.15	2,176.03
33 42 23 00-0022	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,332.27	2,227.84
33 42 23 00-0023	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,567.78	2,383.28

33 42 23 00-0024 Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*

33 42 23 00-0025	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,926.51	549.51

33 42 26 End Sections for Stormwater Piping *(33 42)*

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping *(33 42 26)*

33 42 26 16-0001 Corrugated Metal Pipe End Sections *(33 42 26 16)*

33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*

33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	204.76	52.41
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	237.29	56.15
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	276.64	59.90
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	334.52	65.51
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	370.46	71.13

33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	594.88	80.48
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	768.76	94.20
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,178.15	109.90
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,438.89	125.60
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,714.39	157.01
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,002.34	188.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0016		**Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	213.69	52.41
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	246.48	56.15
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	290.75	59.90
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	351.47	65.51
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	389.68	71.13
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	653.89	80.48
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	841.46	94.20
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,338.14	109.90
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,645.35	125.60
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,923.17	157.01
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,663.62	188.41
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,026.30	282.60
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,543.60	376.80
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,859.64	404.28
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,183.31	431.75
33 42 26 16-0032		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	26.79	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	29.82	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	33.53	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	36.45	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	40.78	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	70.95	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	76.35	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	104.31	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	111.72	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	136.34	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	139.76	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	149.41	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	170.63	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	190.79	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	195.62	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	237.29	56.15
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	276.64	59.90
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	334.52	65.51
33 42 26 16-0053		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0054	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	229.59	56.15
33 42 26 16-0055	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	262.38	59.90
33 42 26 16-0056	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	293.71	65.51
33 42 26 16-0057	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	331.49	71.13
33 42 26 16-0058	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	483.78	80.48
33 42 26 16-0059	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	701.44	94.20
33 42 26 16-0060	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,090.32	109.90
33 42 26 16-0061	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,380.36	125.60
33 42 26 16-0062		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0063	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	233.50	56.15
33 42 26 16-0064	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	270.89	59.90
33 42 26 16-0065	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	307.00	65.51
33 42 26 16-0066	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	347.25	71.13
33 42 26 16-0067	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	510.57	80.48
33 42 26 16-0068	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	737.97	94.20
33 42 26 16-0069	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,148.76	109.90
33 42 26 16-0070	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,447.62	125.60
33 42 26 16-0071	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,742.02	157.01
33 42 26 16-0072	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,289.25	188.41
33 42 26 16-0073	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,195.99	282.60
33 42 26 16-0074	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,541.33	376.80
33 42 26 16-0075		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0076	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	29.82	
33 42 26 16-0077	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	33.53	
33 42 26 16-0078	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	36.45	
33 42 26 16-0079	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	40.78	
33 42 26 16-0080	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	70.95	
33 42 26 16-0081	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	76.35	
33 42 26 16-0082	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	104.31	
33 42 26 16-0083	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	116.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0084	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	136.34	
33 42 26 16-0085	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	141.51	
33 42 26 16-0086	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	163.75	
33 42 26 16-0087	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	186.41	
33 42 26 16-0088		Corrugated Aluminum Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0089		Corrugated Aluminum Pipe End Sections *(33 42 26 16-0088)*		
33 42 26 16-0090	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	308.52	52.41
33 42 26 16-0091	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	355.44	56.15
33 42 26 16-0092	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	421.23	59.90
33 42 26 16-0093	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	521.97	65.51
33 42 26 16-0094	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	681.34	71.13
33 42 26 16-0095	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,021.04	80.48
33 42 26 16-0096	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,384.88	94.20
33 42 26 16-0097	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,724.38	94.20
33 42 26 16-0098	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,199.54	109.90
33 42 26 16-0099	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,140.01	125.60
33 42 26 16-0100	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,477.77	157.01
33 42 26 16-0101	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,687.94	188.41
33 42 26 16-0102	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,308.47	282.60
33 42 26 16-0103	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,208.00	376.80
33 42 26 16-0104	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,780.34	404.28
33 42 26 16-0105	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,154.40	431.75
33 42 26 16-0106	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,790.25	471.01
33 42 26 16-0107	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,838.41	510.26
33 42 26 16-0108		Toe Plate Extensions For Corrugated Aluminum Pipe End Section *(33 42 26 16-0088)*		
33 42 26 16-0109	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	48.28	
33 42 26 16-0110	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	51.20	
33 42 26 16-0111	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	55.56	
33 42 26 16-0112	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	62.56	
33 42 26 16-0113	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	66.37	
33 42 26 16-0114	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	85.95	
33 42 26 16-0115	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	102.11	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	107.78	
33 42 26 16-0117	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	118.21	
33 42 26 16-0118	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	133.63	
33 42 26 16-0119	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	158.03	
33 42 26 16-0120	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	221.28	
33 42 26 16-0121	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	238.31	
33 42 26 16-0122	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	301.92	
33 42 26 16-0123	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	326.72	
33 42 26 16-0124	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	348.13	
33 42 26 16-0125	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	370.64	
33 42 26 16-0126	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	393.41	
33 42 26 16-0127		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0128		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0127)*		
33 42 26 16-0129	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	366.42	56.15
33 42 26 16-0130	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	447.98	59.90
33 42 26 16-0131	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	486.49	65.51
33 42 26 16-0132	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	524.97	71.13
33 42 26 16-0133	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	786.48	80.48
33 42 26 16-0134	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,400.48	94.20
33 42 26 16-0135	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,486.56	94.20
33 42 26 16-0136	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,987.24	109.90
33 42 26 16-0137	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,057.33	125.60
33 42 26 16-0138	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,500.22	157.01
33 42 26 16-0139	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,232.10	188.41
33 42 26 16-0140	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,090.28	282.60
33 42 26 16-0141	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,440.28	376.80
33 42 26 16-0142	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,101.29	404.28
33 42 26 16-0143	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,455.52	431.75
33 42 26 16-0144	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,216.57	471.01
33 42 26 16-0145	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,763.62	510.26
33 42 26 16-0146		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0127)*		
33 42 26 16-0147	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	51.20	
33 42 26 16-0148	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	55.56	
33 42 26 16-0149	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	58.59	
33 42 26 16-0150	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	64.19	
33 42 26 16-0151	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	73.48	
33 42 26 16-0152	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	94.94	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	103.98	
33 42 26 16-0154	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	118.21	
33 42 26 16-0155	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	133.63	
33 42 26 16-0156	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	158.03	
33 42 26 16-0157	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	201.17	
33 42 26 16-0158	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	255.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0159	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	344.01	
33 42 26 16-0160	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	390.79	
33 42 26 16-0161	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	409.24	
33 42 26 16-0162	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	424.26	
33 42 26 16-0163	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	442.66	
33 42 26 16-0164		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0165		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)*		
33 42 26 16-0166	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	471.80	56.15
33 42 26 16-0167	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	607.75	59.90
33 42 26 16-0168	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	744.24	65.51
33 42 26 16-0169	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	890.43	71.13
33 42 26 16-0170	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	942.00	80.48
33 42 26 16-0171	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,228.34	94.20
33 42 26 16-0172	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,944.83	109.90
33 42 26 16-0173		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0174	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	336.42	
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	675.00	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	740.73	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	770.07	
33 42 26 16-0178		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)*		
33 42 26 16-0179	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	494.10	56.15
33 42 26 16-0180	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	647.84	59.90
33 42 26 16-0181	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	862.24	65.51
33 42 26 16-0182	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,013.07	71.13
33 42 26 16-0183	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,202.34	80.48
33 42 26 16-0184	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,458.13	94.20
33 42 26 16-0185	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,232.34	109.90
33 42 26 16-0186		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0164)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0187	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	655.39	
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	695.58	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	765.06	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	803.76	
33 42 26 16-0191		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0164)*		
33 42 26 16-0192	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	57.11	
33 42 26 16-0193	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	64.13	
33 42 26 16-0194	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	69.80	
33 42 26 16-0195	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	77.96	
33 42 26 16-0196	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	118.18	
33 42 26 16-0197	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	126.84	
33 42 26 16-0198	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	170.26	
33 42 26 16-0199		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0200		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0199)*		
33 42 26 16-0201	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	560.79	59.90
33 42 26 16-0202	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	703.79	65.51
33 42 26 16-0203	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	833.14	71.13
33 42 26 16-0204	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,570.98	80.48
33 42 26 16-0205		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0199)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0206	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	400.90	
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	730.91	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	770.07	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,133.71	
33 42 26 16-0210		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0199)*		
33 42 26 16-0211	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	57.73	
33 42 26 16-0212	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	65.51	
33 42 26 16-0213	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	71.43	
33 42 26 16-0214	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	85.07	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	177.93	42.99
33 42 26 19-0003	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	211.79	48.37
33 42 26 19-0004	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	224.70	51.95
33 42 26 19-0005	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	268.52	57.32
33 42 26 19-0006	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	348.02	68.06
33 42 26 19-0007	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	729.11	77.02
33 42 26 19-0008	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	890.81	85.98
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	453.41	87.83
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	606.20	108.71
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	751.38	137.62
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	864.05	164.57
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	922.53	190.48
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,158.89	233.93
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,445.41	351.37
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	1,787.00	443.37
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,166.95	556.18
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	2,379.38	627.22
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	2,599.85	702.58
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	2,826.09	781.08
33 42 26 23-0015		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0016	EA	12" Diameter Pipe, Flared Precast Concrete End Section	563.21	91.45
33 42 26 23-0017	EA	15" Diameter Pipe, Flared Precast Concrete End Section	679.03	113.98
33 42 26 23-0018	EA	18" Diameter Pipe, Flared Precast Concrete End Section	825.84	144.28
33 42 26 23-0019	EA	21" Diameter Pipe, Flared Precast Concrete End Section	945.58	172.54
33 42 26 23-0020	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,151.11	199.70
33 42 26 23-0021	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,407.77	318.95
33 42 26 23-0022	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,491.57	439.14
33 42 26 23-0023	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,005.45	554.22
33 42 26 23-0024	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,414.09	695.36
33 42 26 23-0025	EA	48" Diameter Pipe, Flared Precast Concrete End Section	2,620.14	784.22
33 42 26 23-0026	EA	54" Diameter Pipe, Flared Precast Concrete End Section	2,930.96	878.34
33 42 26 23-0027	EA	60" Diameter Pipe, Flared Precast Concrete End Section	3,248.08	975.60
33 42 31		**Stormwater Area Drains and Inlets** *(33 42)*		
33 42 31 00-0001		Storm Drains *(33 42 31)*		
33 42 31 00-0002		Catch Basins And Inlet Basins *(33 42 31 00-0001)* Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003		Catch Basin *(33 42 31 00-0002)* Note: Consisting of an SDR 35 pipe body with ductile iron grates. Pedestrian safe grates are available. Basins range in size from 8" to 30". 8" And 10" basin not traffic bearing and limited because of the small size of the basin. 12" And larger basins are much more adaptable allowing pipe penetrations up to the diameter of the basin (i.e. a 12" diameter pipe can fit a 12" basin, two pipes may be attached at 180 degree). Basins will fit high density polyethylene (HDPE) and other plastic piping. Penetrations are factory installed where specified. Basin is factory sized to accommodate the rim and invert for each location. No grout is required to seal piping, factory specified gaskets are included. No field adjustment to grade is necessary, yet height changes can be accommodated in the field. A concrete collar poured in the field is required for water loading (12" through 30").		
33 42 31 00-0004	EA	8" Diameter Fixed 13" High Basin For 4" And 6" Pipe With Ductile Iron Grate	256.04	
33 42 31 00-0005	EA	8" Diameter Basin Up To 3' 6" Rim To Invert Dimension	366.41	
		For Each Additional 1' Or Part, Add	*9.00*	
33 42 31 00-0006	EA	10" Diameter 20" Fixed Height Basin For 4", 6" And 8" Pipe Only	359.13	
33 42 31 00-0007	EA	10" Diameter Basin Up To 3' 6" Rim To Invert Dimension	499.67	
		For Each Additional 1' Or Part, Add	*11.04*	
33 42 31 00-0008	EA	12" Locking Ductile Grate 24" Standard Height	930.15	
		For Each Additional 1' Or Part, Add	*18.19*	
33 42 31 00-0009	EA	15" Locking Ductile Grate 30" Standard Height	1,214.56	
		For Each Additional 1' Or Part, Add	*28.90*	
33 42 31 00-0010	EA	18" Locking Ductile Grate 36" Standard Height	1,372.77	
		For Each Additional 1' Or Part, Add	*22.70*	
33 42 31 00-0011	EA	24" Locking Ductile Grate 36" Standard Height	2,040.68	
		For Each Additional 1' Or Part, Add	*38.00*	
33 42 31 00-0012	EA	30" Locking Ductile Grate 48" Standard Height	3,628.37	
		For Each Additional 1' Or Part, Add	*86.00*	
33 42 31 00-0013		Catch Basin Frames And Covers *(33 42 31 00-0001)* Note: Syracuse Castings		
33 42 31 00-0014		Galvanized Welded Steel Frames And Rectangular Or Reticuline Grates *(33 42 31 00-0013)*		
33 42 31 00-0015		Galvanized Welded Steel Frames For Rectangular Or Reticuline Grates *(33 42 31 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0016	EA	1'-11-15/16" x 2'-3-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #1)	257.49	89.61
33 42 31 00-0017	EA	1'-11-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #2)	289.15	106.34
33 42 31 00-0018	EA	1'-11-15/16" x 3-1-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #3)	271.75	89.77
33 42 31 00-0019	EA	1'-11-15/16" x 3'-6-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #4)	318.92	93.19
33 42 31 00-0020	EA	1'-11-15/16" x 3'-11-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #5)	332.37	126.33
33 42 31 00-0021	EA	2'-2-7/16" x 2'-3-1/2" Outside Dimension, 57 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #6)	266.52	94.71
33 42 31 00-0022	EA	2'-2-7/16" x 3'-1-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #7)	305.14	113.03
33 42 31 00-0023	EA	2'-2-7/16" x 3'-11-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #8)	341.40	131.26
33 42 31 00-0024	EA	2'-4-15/16" x 2'-3-1/2" Outside Dimension, 60 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#9)	275.52	99.72
33 42 31 00-0025	EA	2'-4-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#10)	296.12	108.01
33 42 31 00-0026	EA	2'-4-15/16" x 3'-1-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#11)	318.92	117.96
33 42 31 00-0027	EA	2'-4-15/16" x 3'-6-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#12)	288.38	89.77
33 42 31 00-0028	EA	2'-4-15/16" x 3'-11-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT#13)	350.41	136.28
33 42 31 00-0029	EA	2'-7-7/16" x 2'-8-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #14)	307.51	113.03
33 42 31 00-0030	EA	2'-7-7/16" x 3'-1-1/2" Outside Dimension, 74 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #15)	327.94	122.99
33 42 31 00-0031	EA	2'-7-7/16" x 3'-11-1/2" Outside Dimension, 85 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #16)	361.82	141.22
33 42 31 00-0032	EA	2'-9-15/16" x 3'-1-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #17)	286.01	89.77
33 42 31 00-0033	EA	3'-0-7/16" x 3'-1-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #18)	346.15	131.26
33 42 31 00-0034	EA	3'-2-15/16" x 2'-3-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #19)	314.16	117.96
33 42 31 00-0035	EA	3'-2-15/16" x 2'-8-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #20)	286.01	89.77
33 42 31 00-0036	EA	3'-2-15/16" x 3'-1-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #21)	352.79	136.28
33 42 31 00-0037	EA	3'-2-15/16" x 3'-6-1/2" Outside Dimension, 87 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYSDOT #22)	373.38	144.57

33 42 31 00-0038 Galvanized Welded Steel Rectangular Grates For Galvanized Welded Steel Frames *(33 42 31 00-0014)*

33 42 31 00-0039	EA	1'-10-11/16" x 2'-2-1/2", 79 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #1)	435.54	59.74
33 42 31 00-0040	EA	1'-10-11/16" x 2'-7-1/2", 88 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #2)	475.94	59.74
33 42 31 00-0041	EA	1'-10-11/16" x 3'-0-1/2", 94 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #3)	499.70	59.74
33 42 31 00-0042	EA	1'-10-11/16" x 3'-5-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #4)	576.65	69.70
33 42 31 00-0043	EA	1'-10-11/16" x 3'-10-1/2", 124 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #5)	650.32	69.70
33 42 31 00-0044	EA	2'-1-3/16" x 2'-2-1/2", 91 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #6)	478.32	59.74
33 42 31 00-0045	EA	2'-1-3/16" x 3'-0-1/2", 108 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #7)	571.89	69.70
33 42 31 00-0046	EA	2'-1-3/16" x 3'-10-1/2", 165 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #8)	724.89	79.65
33 42 31 00-0047	EA	2'-3-11/16" x 2'-2-1/2", 99 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #9)	499.70	59.74
33 42 31 00-0048	EA	2'-3-11/16" x 2'-7-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #10)	571.89	69.70
33 42 31 00-0049	EA	2'-3-3/16" x 3'-0-1/2", 117 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #11)	614.67	69.70
33 42 31 00-0050	EA	2'-3-11/16" x 3'-5-1/2", 128 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #12)	674.08	69.70
33 42 31 00-0051	EA	2'-3-11/16" x 3'-10-1/2", 180 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #13)	789.06	79.65
33 42 31 00-0052	EA	2'-6-3/16" x 2'-7-1/2", 121 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #14)	605.16	69.70
33 42 31 00-0053	EA	2'-6-3/16" x 3'-0-1/2", 130 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #15)	643.19	69.70
33 42 31 00-0054	EA	2'-6-3/16" x 3'-10-1/2", 201 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #16)	352.70	89.61
33 42 31 00-0055	EA	2'-8-11/16" x 3'-0-1/2", 145 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #17)	305.74	69.70
33 42 31 00-0056	EA	2'-11-3/16" x 3'-0-1/2", 155 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #18)	330.41	79.65
33 42 31 00-0057	EA	3'-1-11/16" x 2'-2-1/2", 133 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #19)	296.23	69.70
33 42 31 00-0058	EA	3'-1-11/16" x 2'-7-1/2", 146 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #20)	305.74	69.70
33 42 31 00-0059	EA	3'-1-11/16" x 3'-0-1/2", 171 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #21)	330.41	79.65
33 42 31 00-0060	EA	3'-1-11/16" x 3'-5-1/2", 185 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYSDOT #22)	339.92	79.65

33 42 31 00-0061 Galvanized Steel Reticuline Grates For Galvanized Welded Steel Frames *(33 42 31 00-0014)*

33 42 31 00-0062	EA	1'-10-11/16" x 2'-2-1/2", 94 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #1)	473.56	59.74
33 42 31 00-0063	EA	1'-10-11/16" x 2'-7-1/2", 106 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #2)	526.74	69.70
33 42 31 00-0064	EA	1'-10-11/16" x 3'-0-1/2", 118 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #3)	557.64	69.70
33 42 31 00-0065	EA	1'-10-11/16" x 3'-5-1/2", 130 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #4)	581.40	69.70
33 42 31 00-0066	EA	1'-10-11/16" x 3'-10-1/2", 166 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #5)	696.38	79.65
33 42 31 00-0067	EA	2'-1-3/16" x 2'-2-1/2", 107 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #6)	529.12	69.70
33 42 31 00-0068	EA	2'-1-3/16" x 3'-0-1/2", 134 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #7)	609.92	69.70
33 42 31 00-0069	EA	2'-1-3/16" x 3'-10-1/2", 191 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #8)	786.68	79.65
33 42 31 00-0070	EA	2'-3-11/16" x 2'-2-1/2", 110 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #9)	564.77	69.70
33 42 31 00-0071	EA	2'-3-11/16" x 2'-7-1/2", 132 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #10)	614.67	69.70
33 42 31 00-0072	EA	2'-3-11/16" x 3'-0-1/2", 147 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #11)	638.43	69.70
33 42 31 00-0073	EA	2'-3-11/16" x 3'-5-1/2", 161 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #12)	713.01	79.65
33 42 31 00-0074	EA	2'-3-11/16" x 3'-10-1/2", 210 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #13)	820.85	89.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0075	EA	2'-6-3/16" x 2'-7-1/2", 146 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #14)	652.69	69.70
33 42 31 00-0076	EA	2'-6-3/16" x 3'-0-1/2", 162 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #15)	703.51	79.65
33 42 31 00-0077	EA	2'-6-3/16" x 3'-10-1/2", 233 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #16)	885.01	89.61
33 42 31 00-0078	EA	2'-8-11/16" x 3'-0-1/2", 179 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #17)	789.06	79.65
33 42 31 00-0079	EA	2'-11-3/16" x 3'-0-1/2", 193 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #18)	798.56	79.65
33 42 31 00-0080	EA	3'-1-11/16" x 2'-2-1/2", 173 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #19)	770.04	79.65
33 42 31 00-0081	EA	3'-1-11/16" x 2'-7-1/2", 192 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #20)	819.95	79.65
33 42 31 00-0082	EA	3'-1-11/16" x 3'-0-1/2", 211 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #21)	875.51	89.61
33 42 31 00-0083	EA	3'-1-11/16" x 3'-5-1/2", 231 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYSDOT #22)	915.90	89.61
33 42 31 00-0084		Galvanized Welded Steel Frames And Parallel Bar Grates *(33 42 31 00-0013)*		
33 42 31 00-0085		Galvanized Welded Steel Frames For Parallel Bar Grates *(33 42 31 00-0084)*		
33 42 31 00-0086	EA	1'-11-7/8" x 3'-1-1/2" Inside Dimension, 84 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYSDOT #10FPCB)	347.72	139.64
33 42 31 00-0087	EA	2'-2-3/8" x 3'-11-1/2" Inside Dimension, 99 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYSDOT #11FPCB)	397.60	164.56
33 42 31 00-0088	EA	2'-9-7/8" x 3'-6-1/2" Inside Dimension, 108 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYSDOT #12FPCB)	429.41	179.45
33 42 31 00-0089		C150x16 Built-up Channel For Welded Steel Frames *(33 42 31 00-0084)* Note: For parallel bar grates. Add to price of frame.		
33 42 31 00-0090	EA	C150x16 Built-Up 113 LB Channel For NYSDOT #10PCB Frame	612.96	194.19
33 42 31 00-0091	EA	C150x16 Built-Up 128 LB Channel For NYSDOT #11PCB Frame	692.37	212.75
33 42 31 00-0092	EA	C150x16 Built-Up 125 LB Channel For NYSDOT #12PCB Frame	673.84	207.73
33 42 31 00-0093		Galvanized Welded Steel Parallel Bar Grates *(33 42 31 00-0084)*		
33 42 31 00-0094	EA	1'-11-1/2" x 3'-0-3/4" 200 LB, Galvanized Welded Steel Parallel Bar Grates (NYSDOT #10PCB)	678.26	89.61
33 42 31 00-0095	EA	2'-2" x 3'-10-3/4" 280 LB, Galvanized Welded Steel Parallel Bar Grates (NYSDOT #11PCB)	843.14	99.57
33 42 31 00-0096	EA	2'-9-1/2" x 3'-5-3/4" 320 LB, Galvanized Welded Steel Parallel Bar Grates (NYSDOT #12PCB)	989.00	109.52
33 42 31 00-0097		Cast Curb Inlet Frame With Galvanized Reticuline Grate *(33 42 31 00-0013)*		
33 42 31 00-0098	EA	2'-5-1/2" x 3'-5-1/2", 263 LB Cast Curb Inlet Frame With 2'-1" x 2'-3-1/2", 165 LB Galvanized Reticuline Grate (NYSDOT F-1 Frame And G-1 Grate)	3,042.31	477.91
33 42 31 00-0099	EA	3'-3-1/2" x 3'-5-1/2", 315 LB Cast Curb Inlet Frame With 2'-1" x 3'-1-1/2", 224 LB Galvanized Reticuline Grate (NYSDOT F-2 Frame And G-2 Grate)	3,350.09	517.74
33 42 31 00-0100	EA	4'-1-1/2" x 3'-5-1/2", 339 LB Cast Curb Inlet Frame With 2'-1" x 3'-11-1/2", 251 LB Galvanized Reticuline Grate (NYSDOT F-3 Frame And G-3 Grate)	3,895.53	557.57
33 42 31 00-0101		Other Frames *(33 42 31 00-0013)*		
33 42 31 00-0102		Galvanized Welded Steel Frames For Rectangular And Reticuline Grates *(33 42 31 00-0101)*		
33 42 31 00-0103	EA	1'-11-15/16 x 3'-1-1/2", 69 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #3)	281.02	114.54
33 42 31 00-0104	EA	2'-2-7/16" x 2'-3-1/2", 61 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #6)	253.99	101.40
33 42 31 00-0105	EA	2'-4-15/16" x 2'-3-1/2", 64 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #9)	262.98	106.34
33 42 31 00-0106	EA	2-4-15/16" x 3'-1-1/2", 75 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #11)	301.61	124.66
33 42 31 00-0107	EA	2'-5-7/16" x 3'-11-1/2", 88 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #16)	342.33	146.24
33 42 31 00-0108	EA	3'-2-15/16" x 3'-6-1/2", 91 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYSDOT #22)	353.69	151.18
33 42 31 00-0109		C150x16 Built-up Channel For Welded Steel Frames *(33 42 31 00-0101)* Note: For rectangular and reticuline grates. Add to price of frame.		
33 42 31 00-0110	EA	C150x16 Built-Up 50 LB Channel For NYSDOT #3 Frame	457.74	83.08
33 42 31 00-0111	EA	C150x16 Built-Up 51 LB Channel For NYSDOT #6 Frame	456.15	83.63
33 42 31 00-0112	EA	C150x16 Built-Up 52 LB Channel For NYSDOT #9 Frame	459.80	86.42
33 42 31 00-0113	EA	C150x16 Built-Up 53 LB Channel For NYSDOT #11 Frame	492.91	88.09
33 42 31 00-0114	EA	C150x16 Built-Up 54 LB Channel For NYSDOT #16 Frame	592.40	91.45
33 42 31 00-0115	EA	C150x16 Built-Up 55 LB Channel For NYSDOT #22 Frame	582.89	91.45
33 42 31 00-0116		Yard Drain *(33 42 31 00-0001)*		
33 42 31 00-0117		Ductile Iron Grates *(33 42 31 00-0116)* Note: Not for traffic loading.		
33 42 31 00-0118	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	124.20	26.87
33 42 31 00-0119	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	153.71	28.66
33 42 31 00-0120	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	368.17	35.83
33 42 31 00-0121	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	439.86	42.99
33 42 31 00-0122		Precast Concrete Rectangular Drainage Structure *(33 42 31 00-0001)* Note: Inside dimensions. Select task with size closest to the desired size. If exactly between two sizes, select the larger size. As manufactured by Binghamton Precast and Supply or equal.		
33 42 31 00-0123		Standard Drainage Structure Type A, 36" x 36" *(33 42 31 00-0122)* Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0124	EA	Up To 2' High Standard Drainage Structure Type A, 36" x 36"	1,552.21	119.48
33 42 31 00-0125	EA	>2' To 3' High Standard Drainage Structure Type A, 36" x 36"	1,718.43	179.22
33 42 31 00-0126	EA	>3' To 4' High Standard Drainage Structure Type A, 36" x 36"	1,884.66	238.96
33 42 31 00-0127	EA	>4' to 5' High Standard Drainage Structure Type A, 36" x 36"	2,050.90	298.70
33 42 31 00-0128	EA	>5' to 6' High Standard Drainage Structure Type A, 36" x 36"	2,782.38	358.43
33 42 31 00-0129	EA	>6' to 7' High Standard Drainage Structure Type A, 36" x 36"	2,948.61	418.17
33 42 31 00-0130	EA	>7' to 8' High Standard Drainage Structure Type A, 36" x 36"	3,820.34	477.91
33 42 31 00-0131	EA	>8' to 9' High Standard Drainage Structure Type A, 36" x 36"	4,001.43	537.66
33 42 31 00-0132	EA	>9' to 10' High Standard Drainage Structure Type A, 36" x 36"	4,182.54	597.40
33 42 31 00-0133	EA	>10' to 11' High Standard Drainage Structure Type A, 36" x 36"	4,363.65	657.14
33 42 31 00-0134	EA	>11' to 12' High Standard Drainage Structure Type A, 36" x 36"	4,544.74	716.88

33 42 31 00-0135 Standard Drainage Structure Type B And E, 48" x 36" *(33 42 31 00-0122)*

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0136	EA	Up to 2' High Standard Drainage Structure Type B And E, 48" x 36	1,876.00	129.44
33 42 31 00-0137	EA	>2' to 3' High Standard Drainage Structure Type B And E, 48" x 36"	2,046.35	186.98
33 42 31 00-0138	EA	>3' to 4' High Standard Drainage Structure Type B And E, 48" x 36"	2,226.25	249.32
33 42 31 00-0139	EA	>4' to 5' High Standard Drainage Structure Type B And E, 48" x 36"	2,406.17	311.64
33 42 31 00-0140	EA	>5' to 6' High Standard Drainage Structure Type B And E, 48" x 36"	3,395.69	374.37
33 42 31 00-0141	EA	>6' to 7' High Standard Drainage Structure Type B And E, 48" x 36"	3,575.60	438.09
33 42 31 00-0142	EA	>7' to 8' High Standard Drainage Structure Type B And E, 48" x 36"	4,184.75	497.83
33 42 31 00-0143	EA	>8' to 9' High Standard Drainage Structure Type B And E, 48" x 36"	4,379.53	557.57
33 42 31 00-0144	EA	>9' to 10' High Standard Drainage Structure Type B And E, 48" x 36"	4,574.31	623.68
33 42 31 00-0145	EA	>10' to 11' High Standard Drainage Structure Type B And E, 48" x 36"	4,769.10	685.02
33 42 31 00-0146	EA	>11' to 12' High Standard Drainage Structure Type B And E, 48" x 36"	4,963.88	748.74

33 42 31 00-0147 Standard Drainage Structure Type C And I, 60" x 36" *(33 42 31 00-0122)*

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0148	EA	Up To 2' High Standard Drainage Structure Type C And I, 60" x 36"	2,800.10	131.43
33 42 31 00-0149	EA	>2' to 3' High Standard Drainage Structure Type C And I, 60" x 36"	2,993.16	197.14
33 42 31 00-0150	EA	>3' to 4' High Standard Drainage Structure Type C And I, 60" x 36"	3,186.21	262.85
33 42 31 00-0151	EA	>4' to 5' High Standard Drainage Structure Type C And I, 60" x 36"	3,379.26	328.56
33 42 31 00-0152	EA	>5' to 6' High Standard Drainage Structure Type C And I, 60" x 36"	3,572.31	394.28
33 42 31 00-0153	EA	>6' to 7' High Standard Drainage Structure Type C And I, 60" x 36"	5,363.37	459.99
33 42 31 00-0154	EA	>7' to 8' High Standard Drainage Structure Type C And I, 60" x 36"	6,835.67	525.71
33 42 31 00-0155	EA	>8' to 9' High Standard Drainage Structure Type C And I, 60" x 36"	7,039.35	591.42
33 42 31 00-0156	EA	>9' to 10' High Standard Drainage Structure Type C And I, 60" x 36"	7,243.02	657.14
33 42 31 00-0157	EA	>10' to 11' High Standard Drainage Structure Type C And I, 60" x 36"	7,446.70	722.85
33 42 31 00-0158	EA	>11' to 12' High Standard Drainage Structure Type C And I, 60" x 36"	7,650.38	788.56

33 42 31 00-0159 Standard Drainage Structure Type D And M, 80" x 36" *(33 42 31 00-0122)*

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0160	EA	Up To 2' High Standard Drainage Structure Type D And M, 80" x 36"	3,682.24	145.36
33 42 31 00-0161	EA	>2' To 3' High Standard Drainage Structure Type D And M, 80" x 36"	3,895.60	218.05
33 42 31 00-0162	EA	>3' To 4' High Standard Drainage Structure Type D And M, 80" x 36"	4,108.96	290.74
33 42 31 00-0163	EA	>4' To 5' High Standard Drainage Structure Type D And M, 80" x 36"	4,322.33	363.41
33 42 31 00-0164	EA	>5' To 6' High Standard Drainage Structure Type D And M, 80" x 36"	4,535.70	436.10
33 42 31 00-0165	EA	>6' To 7' High Standard Drainage Structure Type D And M, 80" x 36"	5,473.69	508.78
33 42 31 00-0166	EA	>7' To 8' High Standard Drainage Structure Type D And M, 80" x 36"	5,844.31	581.46
33 42 31 00-0167	EA	>8' To 9' High Standard Drainage Structure Type D And M, 80" x 36"	8,352.68	654.15
33 42 31 00-0168	EA	>9' To 10' High Standard Drainage Structure Type D And M, 80" x 36"	8,583.05	726.83
33 42 31 00-0169	EA	>10' To 11' High Standard Drainage Structure Type D And M, 80" x 36"	8,813.41	796.53
33 42 31 00-0170	EA	>11' To 12' High Standard Drainage Structure Type D And M, 80" x 36"	9,043.77	872.20

33 42 31 00-0171 Standard Drainage Structure Type F, 48" x 48" *(33 42 31 00-0122)*

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0172	EA	Up To 2' High Standard Drainage Structure Type F, 48" x 48"	2,135.26	129.44
33 42 31 00-0173	EA	>2' To 3' High Standard Drainage Structure Type F, 48" x 48"	2,327.50	195.15
33 42 31 00-0174	EA	>3' To 4' High Standard Drainage Structure Type F, 48" x 48"	2,518.96	259.67
33 42 31 00-0175	EA	>4' To 5' High Standard Drainage Structure Type F, 48" x 48"	2,710.42	324.58
33 42 31 00-0176	EA	>5' To 6' High Standard Drainage Structure Type F, 48" x 48"	3,798.62	390.30
33 42 31 00-0177	EA	>6' To 7' High Standard Drainage Structure Type F, 48" x 48"	3,990.09	454.02
33 42 31 00-0178	EA	>7' To 8' High Standard Drainage Structure Type F, 48" x 48"	4,723.42	517.74
33 42 31 00-0179	EA	>8' To 9' High Standard Drainage Structure Type F, 48" x 48"	4,925.50	585.45
33 42 31 00-0180	EA	>9' To 10' High Standard Drainage Structure Type F, 48" x 48"	5,127.59	649.17
33 42 31 00-0181	EA	>10' To 11' High Standard Drainage Structure Type F, 48" x 48"	5,329.68	712.89
33 42 31 00-0182	EA	>11' To 12' High Standard Drainage Structure Type F, 48" x 48"	5,531.77	779.00

33 42 31 00-0183 Standard Drainage Structure Type G And J, 48" x 60" *(33 42 31 00-0122)*

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0184	EA	Up To 2' High Standard Drainage Structure Type G And J, 48" x 60"	3,724.21	136.60
33 42 31 00-0185	EA	>2' To 3' High Standard Drainage Structure Type G And J, 48" x 60"	3,930.93	204.71
33 42 31 00-0186	EA	>3' To 4' High Standard Drainage Structure Type G And J, 48" x 60"	4,137.66	273.21
33 42 31 00-0187	EA	>4' To 5' High Standard Drainage Structure Type G And J, 48" x 60"	4,344.41	341.71
33 42 31 00-0188	EA	>5' To 6' High Standard Drainage Structure Type G And J, 48" x 60"	4,551.13	410.22
33 42 31 00-0189	EA	>6' To 7' High Standard Drainage Structure Type G And J, 48" x 60"	4,757.86	477.91
33 42 31 00-0190	EA	>7' To 8' High Standard Drainage Structure Type G And J, 48" x 60"	5,094.22	546.41
33 42 31 00-0191	EA	>8' To 9' High Standard Drainage Structure Type G And J, 48" x 60"	7,814.82	614.72
33 42 31 00-0192	EA	>9' To 10' High Standard Drainage Structure Type G And J, 48" x 60"	8,034.30	683.42
33 42 31 00-0193	EA	>10' To 11' High Standard Drainage Structure Type G And J, 48" x 60"	8,253.77	751.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0194	EA	>11' To 12' High Standard Drainage Structure Type G And J, 48" x 60"	8,473.26	819.63
33 42 31 00-0195		**Standard Drainage Structure Type H And N, 48" x 80"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0196	EA	Up To 2' High Standard Drainage Structure Type H And N, 48" x 80"	4,937.84	150.54
33 42 31 00-0197	EA	>2' To 3' High Standard Drainage Structure Type H And N, 48" x 80"	5,164.88	226.21
33 42 31 00-0198	EA	>3' To 4' High Standard Drainage Structure Type H And N, 48" x 80"	5,391.93	301.09
33 42 31 00-0199	EA	>4' To 5' High Standard Drainage Structure Type H And N, 48" x 80"	5,618.97	376.75
33 42 31 00-0200	EA	>5' To 6' High Standard Drainage Structure Type H And N, 48" x 80"	5,846.01	451.63
33 42 31 00-0201	EA	>6' To 7' High Standard Drainage Structure Type H And N, 48" x 80"	6,073.05	527.30
33 42 31 00-0202	EA	>7' To 8' High Standard Drainage Structure Type H And N, 48" x 80"	6,448.85	602.18
33 42 31 00-0203	EA	>8' To 9' High Standard Drainage Structure Type H And N, 48" x 80"	10,101.39	677.05
33 42 31 00-0204	EA	>9' To 10' High Standard Drainage Structure Type H And N, 48" x 80"	10,345.44	752.72
33 42 31 00-0205	EA	>10' To 11' High Standard Drainage Structure Type H And N, 48" x 80"	10,589.48	828.39
33 42 31 00-0206	EA	>11' To 12' High Standard Drainage Structure Type H And N, 48" x 80"	10,833.53	903.26
33 42 31 00-0207		**Standard Drainage Structure Type K, 60" x 60"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0208	EA	Up To 2' High Standard Drainage Structure Type K, 60" x 60"	2,698.63	143.37
33 42 31 00-0209	EA	>2' To 3' High Standard Drainage Structure Type K, 60" x 60"	2,910.01	215.06
33 42 31 00-0210	EA	>3' To 4' High Standard Drainage Structure Type K, 60" x 60"	3,121.38	286.75
33 42 31 00-0211	EA	>4' To 5' High Standard Drainage Structure Type K, 60" x 60"	3,332.76	358.43
33 42 31 00-0212	EA	>5' To 6' High Standard Drainage Structure Type K, 60" x 60"	4,602.37	430.13
33 42 31 00-0213	EA	>6' To 7' High Standard Drainage Structure Type K, 60" x 60"	4,813.74	501.82
33 42 31 00-0214	EA	>7' To 8' High Standard Drainage Structure Type K, 60" x 60"	6,045.13	573.50
33 42 31 00-0215	EA	>8' To 9' High Standard Drainage Structure Type K, 60" x 60"	8,589.76	645.19
33 42 31 00-0216	EA	>9' To 10' High Standard Drainage Structure Type K, 60" x 60"	8,826.62	716.88
33 42 31 00-0217	EA	>10' To 11' High Standard Drainage Structure Type K, 60" x 60"	9,063.51	788.56
33 42 31 00-0218	EA	>11' To 12' High Standard Drainage Structure Type K, 60" x 60"	9,300.38	860.25
33 42 31 00-0219		**Standard Drainage Structure Type L And O, 60" x 80"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0220	EA	Up To 2' High Standard Drainage Structure Type L And O, 60" x 80"	5,340.25	157.71
33 42 31 00-0221	EA	>2' To 3' High Standard Drainage Structure Type L And O, 60" x 80"	5,574.07	235.78
33 42 31 00-0222	EA	>3' To 4' High Standard Drainage Structure Type L And O, 60" x 80"	5,807.88	314.63
33 42 31 00-0223	EA	>4' To 5' High Standard Drainage Structure Type L And O, 60" x 80"	6,041.69	393.48
33 42 31 00-0224	EA	>5' To 6' High Standard Drainage Structure Type L And O, 60" x 80"	6,275.50	472.34
33 42 31 00-0225	EA	>6' To 7' High Standard Drainage Structure Type L And O, 60" x 80"	6,509.32	550.40
33 42 31 00-0226	EA	>7' To 8' High Standard Drainage Structure Type L And O, 60" x 80"	6,902.52	629.26
33 42 31 00-0227	EA	>8' To 9' High Standard Drainage Structure Type L And O, 60" x 80"	9,660.83	708.12
33 42 31 00-0228	EA	>9' To 10' High Standard Drainage Structure Type L And O, 60" x 80"	9,911.64	786.57
33 42 31 00-0229	EA	>10' To 11' High Standard Drainage Structure Type L And O, 60" x 80"	10,162.46	865.03
33 42 31 00-0230	EA	>11' To 12' High Standard Drainage Structure Type L And O, 60" x 80"	10,413.27	943.88
33 42 31 00-0231		**Standard Drainage Structure Type P, 80" x 80"** *(33 42 31 00-0122)*		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0232	EA	Up To 2' High Standard Drainage Structure Type P, 80" x 80"	7,242.39	171.25
33 42 31 00-0233	EA	>2' To 3' High Standard Drainage Structure Type P, 80" x 80"	7,500.76	256.88
33 42 31 00-0234	EA	>3' To 4' High Standard Drainage Structure Type P, 80" x 80"	7,759.14	342.51
33 42 31 00-0235	EA	>4' To 5' High Standard Drainage Structure Type P, 80" x 80"	8,017.52	428.13
33 42 31 00-0236	EA	>5' To 6' High Standard Drainage Structure Type P, 80" x 80"	8,275.91	513.76
33 42 31 00-0237	EA	>6' To 7' High Standard Drainage Structure Type P, 80" x 80"	8,534.27	597.40
33 42 31 00-0238	EA	>7' To 8' High Standard Drainage Structure Type P, 80" x 80"	8,945.66	685.02
33 42 31 00-0239	EA	>8' To 9' High Standard Drainage Structure Type P, 80" x 80"	14,671.66	770.64
33 42 31 00-0240	EA	>9' To 10' High Standard Drainage Structure Type P, 80" x 80"	14,944.91	856.27
33 42 31 00-0241	EA	>10' To 11' High Standard Drainage Structure Type P, 80" x 80"	15,218.17	941.89
33 42 31 00-0242	EA	>11' To 12' High Standard Drainage Structure Type P, 80" x 80"	15,491.42	1,027.53
33 42 31 00-0243		**Standard Drainage Structure Type Q, 34" x 36"** *(33 42 31 00-0122)*		
		Note: Excludes excavation, backfill, sealing of pipes, cover and caps.		
33 42 31 00-0244	EA	Up To 2' High Standard Drainage Structure Type Q, 34" x 36"	1,427.37	115.49
33 42 31 00-0245	EA	>2' To 3' High Standard Drainage Structure Type Q, 34" x 36"	1,591.74	173.24
33 42 31 00-0246	EA	>3' To 4' High Standard Drainage Structure Type Q, 34" x 36"	1,756.11	230.99
33 42 31 00-0247	EA	>4' To 5' High Standard Drainage Structure Type Q, 34" x 36"	1,920.48	288.75
33 42 31 00-0248	EA	>5' To 6' High Standard Drainage Structure Type Q, 34" x 36"	2,773.35	346.49
33 42 31 00-0249	EA	>6' To 7' High Standard Drainage Structure Type Q, 34" x 36"	2,937.73	404.24
33 42 31 00-0250	EA	>7' To 8' High Standard Drainage Structure Type Q, 34" x 36"	3,361.35	461.99
33 42 31 00-0251	EA	>8' To 9' High Standard Drainage Structure Type Q, 34" x 36"	3,538.47	517.74
33 42 31 00-0252	EA	>9' To 10' High Standard Drainage Structure Type Q, 34" x 36"	3,715.58	577.48
33 42 31 00-0253	EA	>10' To 11' High Standard Drainage Structure Type Q, 34" x 36"	3,813.06	595.41
33 42 31 00-0254	EA	>11' To 12' High Standard Drainage Structure Type Q, 34" x 36"	4,069.84	692.97
33 42 31 00-0255		**Standard Drainage Structure Type R, 34" x 46"** *(33 42 31 00-0122)*		
		Note: Excludes excavation, backfill, sealing of pipes, cover and caps.		
33 42 31 00-0256	EA	Up To 2' High Standard Drainage Structure Type R, 34" x 46"	1,110.47	119.48
33 42 31 00-0257	EA	>2' To 3' High Standard Drainage Structure Type R, 34" x 46"	1,284.28	179.22
33 42 31 00-0258	EA	>3' To 4' High Standard Drainage Structure Type R, 34" x 46"	1,458.08	241.35
33 42 31 00-0259	EA	>4' To 5' High Standard Drainage Structure Type R, 34" x 46"	1,631.87	301.88
33 42 31 00-0260	EA	>5' To 6' High Standard Drainage Structure Type R, 34" x 46"	2,479.29	362.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0261	EA	>6' To 7' High Standard Drainage Structure Type R, 34" x 46"	2,653.10	422.16
33 42 31 00-0262	EA	>7' To 8' High Standard Drainage Structure Type R, 34" x 46"	3,343.27	482.70
33 42 31 00-0263	EA	>8' To 9' High Standard Drainage Structure Type R, 34" x 46"	3,527.69	543.23
33 42 31 00-0264	EA	>9' To 10' High Standard Drainage Structure Type R, 34" x 46"	3,712.13	603.77
33 42 31 00-0265	EA	>10' To 11' High Standard Drainage Structure Type R, 34" x 46"	3,896.54	663.51
33 42 31 00-0266	EA	>11' To 12' High Standard Drainage Structure Type R, 34" x 46"	4,080.97	724.04

33 42 31 00-0267 Standard Drainage Structure Type S, 24" x 32" *(33 42 31 00-0122)*

Note: Includes inlet cover. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0268	EA	Up To 2' High Standard Drainage Structure Type S, 24" x 32"	1,471.48	87.62
33 42 31 00-0269	EA	>2' To 3' High Standard Drainage Structure Type S, 24" x 32"	1,603.73	131.43
33 42 31 00-0270	EA	>3' To 4' High Standard Drainage Structure Type S, 24" x 32"	1,735.98	175.23
33 42 31 00-0271	EA	>4' To 5' High Standard Drainage Structure Type S, 24" x 32"	1,868.21	219.05
33 42 31 00-0272	EA	>5' To 6' High Standard Drainage Structure Type S, 24" x 32"	2,552.96	262.85
33 42 31 00-0273	EA	>6' To 7' High Standard Drainage Structure Type S, 24" x 32"	2,685.21	306.66
33 42 31 00-0274	EA	>7' To 8' High Standard Drainage Structure Type S, 24" x 32"	3,046.94	350.48
33 42 31 00-0275	EA	>8' To 9' High Standard Drainage Structure Type S, 24" x 32"	3,185.56	394.28
33 42 31 00-0276	EA	>9' To 10' High Standard Drainage Structure Type S, 24" x 32"	3,324.18	438.09
33 42 31 00-0277	EA	>10' To 11' High Standard Drainage Structure Type S, 24" x 32"	3,462.80	481.90
33 42 31 00-0278	EA	>11' To 12' High Standard Drainage Structure Type S, 24" x 32"	3,601.42	525.71

33 42 31 00-0279 Standard Drainage Structure Type T, 26" x 42" *(33 42 31 00-0122)*

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0280	EA	Up To 2' High Standard Drainage Structure Type T, 26" x 42"	1,726.47	103.55
33 42 31 00-0281	EA	>2' To 3' High Standard Drainage Structure Type T, 26" x 42"	1,878.90	155.32
33 42 31 00-0282	EA	>3' To 4' High Standard Drainage Structure Type T, 26" x 42"	2,031.32	207.09
33 42 31 00-0283	EA	>4' To 5' High Standard Drainage Structure Type T, 26" x 42"	2,183.74	258.88
33 42 31 00-0284	EA	>5' To 6' High Standard Drainage Structure Type T, 26" x 42"	3,077.79	310.65
33 42 31 00-0285	EA	>6' To 7' High Standard Drainage Structure Type T, 26" x 42"	3,230.22	362.42
33 42 31 00-0286	EA	>7' To 8' High Standard Drainage Structure Type T, 26" x 42"	3,907.51	414.20
33 42 31 00-0287	EA	>8' To 9' High Standard Drainage Structure Type T, 26" x 42"	4,066.32	465.97
33 42 31 00-0288	EA	>9' To 10' High Standard Drainage Structure Type T, 26" x 42"	4,225.10	517.74
33 42 31 00-0289	EA	>10' To 11' High Standard Drainage Structure Type T, 26" x 42"	4,383.91	569.52
33 42 31 00-0290	EA	>11' To 12' High Standard Drainage Structure Type T, 26" x 42"	4,542.71	621.29

33 42 31 00-0291 Standard Drainage Structure Type U, 34" x 36" *(33 42 31 00-0122)*

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0292	EA	Up To 2' High Standard Drainage Structure Type U, 34" x 36"	1,654.74	115.49
33 42 31 00-0293	EA	>2' To 3' High Standard Drainage Structure Type U, 34" x 36"	1,821.24	173.24
33 42 31 00-0294	EA	>3' To 4' High Standard Drainage Structure Type U, 34" x 36"	1,987.74	230.99
33 42 31 00-0295	EA	>4' To 5' High Standard Drainage Structure Type U, 34" x 36"	2,154.23	288.75
33 42 31 00-0296	EA	>5' To 6' High Standard Drainage Structure Type U, 34" x 36"	2,956.09	346.49
33 42 31 00-0297	EA	>6' To 7' High Standard Drainage Structure Type U, 34" x 36"	3,122.60	404.24
33 42 31 00-0298	EA	>7' To 8' High Standard Drainage Structure Type U, 34" x 36"	3,573.85	461.99
33 42 31 00-0299	EA	>8' To 9' High Standard Drainage Structure Type U, 34" x 36"	3,744.59	520.14
33 42 31 00-0300	EA	>9' To 10' High Standard Drainage Structure Type U, 34" x 36"	3,872.84	577.48
33 42 31 00-0301	EA	>10' To 11' High Standard Drainage Structure Type U, 34" x 36"	4,039.34	635.63
33 42 31 00-0302	EA	>11' To 12' High Standard Drainage Structure Type U, 34" x 36"	4,205.84	692.97

33 42 31 00-0303 Precast Concrete Cover Slabs / Inlet Caps *(33 42 31 00-0122)*

33 42 31 00-0304	EA	Precast Concrete Cover Slab Type A	674.10	59.74
33 42 31 00-0305	EA	Precast Concrete Cover Slab Type B And E	721.78	59.98
33 42 31 00-0306	EA	Precast Concrete Cover Slab Type C And I	798.68	65.72
33 42 31 00-0307	EA	Precast Concrete Cover Slab Type D And M	1,093.11	72.72
33 42 31 00-0308	EA	Precast Concrete Cover Slab Type F	884.21	65.31
33 42 31 00-0309	EA	Precast Concrete Cover Slab Type G And J	1,116.22	67.79
33 42 31 00-0310	EA	Precast Concrete Cover Slab Type H And N	1,327.79	75.67
33 42 31 00-0311	EA	Precast Concrete Cover Slab Type K	1,173.99	71.69
33 42 31 00-0312	EA	Precast Concrete Cover Slab Type L And O	1,572.57	78.85
33 42 31 00-0313	EA	Precast Concrete Cover Slab Type P	1,843.63	85.62
33 42 31 00-0314	EA	Precast Concrete Cover Slab Type S	387.24	43.81
33 42 31 00-0315	EA	Precast Concrete Cover Slab Type T	407.43	51.77
33 42 31 00-0316	EA	Precast Concrete Cover Slab Type U	419.37	58.15

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	696.26	93.19
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	746.38	108.33
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	772.35	108.33
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	846.24	127.45
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	842.31	136.21

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0002		Modular Trench Drains *(33 42 36 00-0001)* Note: Excludes grates. See CSI section 33 42 36 00-0104 for grates.		
33 42 36 00-0003		4" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0004		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains *(33 42 36 00-0003)*		
33 42 36 00-0005		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C)	44.76	12.75
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*54.20*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*108.40*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*173.43*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*43.36*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*21.68*	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	33.21	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	41.17	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	41.17	
33 42 36 00-0011		6" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0012		6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0013		6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	118.43	12.75
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*54.20*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*108.40*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*173.43*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*43.36*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*21.68*	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	54.95	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	62.91	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	62.91	
33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	100.83	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	100.83	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	473.41	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	906.99	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	108.40	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	169.37	12.75
		For Black Acid Resistant Coated Frame, Add	*41.19*	
		For Galvanized Top Frame Assembly, Add	*41.19*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*151.75*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	67.25	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	67.25	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	100.83	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	100.83	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	473.41	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	906.99	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	108.40	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	217.07	12.75
		For Black Acid Resistant Coated Frame, Add	*41.19*	
		For Galvanized Top Frame Assembly, Add	*41.19*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*151.75*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	93.97	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	101.93	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	101.93	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	100.83	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	100.83	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	473.41	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	906.99	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	108.40	
33 42 36 00-0051		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0052		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0052)*		
33 42 36 00-0054	LF	12" Wide, High Density Polyethylene, Modular Trench Drain	219.32	17.53
		For Acid Resistant Coated Top Frame, Add	*56.37*	
		For Galvanized Welded Frame Assembly, Add	*59.08*	
		For Type 304 Stainless Steel Top Frame, Add	*338.19*	
33 42 36 00-0055		Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0052)*		
33 42 36 00-0056	EA	End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	110.12	
33 42 36 00-0057	EA	No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	120.74	
33 42 36 00-0058	EA	No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	120.74	
33 42 36 00-0059		Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0052)*		
33 42 36 00-0060	EA	Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	178.93	
33 42 36 00-0061	EA	Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	233.13	
33 42 36 00-0062	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	928.43	
33 42 36 00-0063	EA	Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,795.59	
33 42 36 00-0064	EA	Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	216.79	
33 42 36 00-0065		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0066		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0065)*		
33 42 36 00-0067	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	273.52	17.53
		For Acid Resistant Coated Top Frame, Add	*56.37*	
		For Galvanized Welded Frame Assembly, Add	*59.08*	
		For Type 304 Stainless Steel Top Frame, Add	*338.19*	
33 42 36 00-0068		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0065)*		
33 42 36 00-0069	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	114.46	
33 42 36 00-0070	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	125.08	
33 42 36 00-0071	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	125.08	
33 42 36 00-0072		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0065)*		
33 42 36 00-0073	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	178.93	
33 42 36 00-0074	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.13	
33 42 36 00-0075	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	928.43	
33 42 36 00-0076	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,795.59	
33 42 36 00-0077	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	216.79	
33 42 36 00-0078		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0079		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0078)*		
33 42 36 00-0080	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	381.91	17.53
		For Acid Resistant Coated Top Frame, Add	*56.37*	
		For Galvanized Welded Frame Assembly, Add	*59.08*	
		For Type 304 Stainless Steel Top Frame, Add	*338.19*	
33 42 36 00-0081		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0078)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0082	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	277.05	
33 42 36 00-0083	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	287.67	
33 42 36 00-0084	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	287.67	
33 42 36 00-0085		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0078)*		
33 42 36 00-0086	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	178.93	
33 42 36 00-0087	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	233.13	
33 42 36 00-0088	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	928.43	
33 42 36 00-0089	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,795.59	
33 42 36 00-0090	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	216.79	
33 42 36 00-0091		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0092		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0091)*		
33 42 36 00-0093		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0092)*		
33 42 36 00-0094	LF	23" Wide, High Density Polyethylene, Modular Trench Drain	306.88	23.89
		For Acid Resistant Coated Frame, Add	*84.55*	
		For Galvanized Frame Assembly, Add	*84.55*	
		For Type 304 Stainless Steel Top Frame, Add	*520.30*	
33 42 36 00-0095		Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0092)*		
33 42 36 00-0096	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	340.50	
33 42 36 00-0097	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	504.38	
33 42 36 00-0098	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	504.38	
33 42 36 00-0099		Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0092)*		
33 42 36 00-0100	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	403.27	
33 42 36 00-0101	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,833.88	
33 42 36 00-0102	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	3,568.20	
33 42 36 00-0103	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	433.58	
33 42 36 00-0104		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0105		4" Wide, Modular Trench Drain Grates *(33 42 36 00-0104)*		
33 42 36 00-0106	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	26.01	2.39
33 42 36 00-0107	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	27.31	2.39
33 42 36 00-0108	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	22.13	2.39
33 42 36 00-0109	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	57.77	2.39
33 42 36 00-0110	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	22.13	2.39
33 42 36 00-0111	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	57.77	2.39
33 42 36 00-0112		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0104)*		
33 42 36 00-0113	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	108.04	2.39
33 42 36 00-0114	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	91.67	2.39
33 42 36 00-0115	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	96.22	2.39
33 42 36 00-0116	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	84.19	2.39
33 42 36 00-0117	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	90.70	2.39
33 42 36 00-0118	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	91.78	2.39
33 42 36 00-0119	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	91.78	2.39
33 42 36 00-0120	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	90.70	2.39
33 42 36 00-0121	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	79.86	2.39
33 42 36 00-0122	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	79.86	2.39
33 42 36 00-0123	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	84.84	2.39
33 42 36 00-0124	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	84.84	2.39
33 42 36 00-0125	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	110.21	2.39
33 42 36 00-0126	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	110.21	2.39
33 42 36 00-0127	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	201.26	2.39
33 42 36 00-0128	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	201.26	2.39
33 42 36 00-0129	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	558.96	2.39
33 42 36 00-0130	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	75.52	2.39
33 42 36 00-0131	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	162.24	2.39
33 42 36 00-0132		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0104)*		
33 42 36 00-0133	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	297.05	2.59
33 42 36 00-0134	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	284.04	2.59
33 42 36 00-0135	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	247.18	2.59
33 42 36 00-0136	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	259.65	2.59
33 42 36 00-0137	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	224.42	2.59
33 42 36 00-0138	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	438.50	2.59
33 42 36 00-0139	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	438.50	2.59
33 42 36 00-0140	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	559.36	2.59
33 42 36 00-0141	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	559.36	2.59
33 42 36 00-0142	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	713.83	2.59
33 42 36 00-0143	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	713.83	2.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0144	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	677.51	2.59
33 42 36 00-0145	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	320.35	2.59

33 42 36 00-0146 23" Wide, Modular Trench Drain Grates *(33 42 36 00-0104)*

33 42 36 00-0147	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	468.71	2.79
33 42 36 00-0148	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	395.00	2.79
33 42 36 00-0149	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	611.79	2.79
33 42 36 00-0150	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	453.54	2.79

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	11,061.82
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	13,507.46
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	16,153.96

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	17,115.49
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	19,669.01
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	23,990.20
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	27,900.45
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	37,040.44

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	696.53
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	945.19
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	556.94
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	413.85
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	145.56
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,373.78
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,747.56
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	7,121.41
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	448.63
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	524.94
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,049.88
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,290.27
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	627.49
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	812.95
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,117.63
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,009.56
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,574.76
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,223.43
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,055.73
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	795.34
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	969.43
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,522.71
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	758.37
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	920.54
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,092.25
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	64.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	72.74	

33 44 36 00-0041 Oil Skimmers *(33 44 36)*

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,694.49	422.68
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,930.29	422.68
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,716.33	422.68
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,018.71	422.68
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,964.13	422.68
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,163.90	422.68
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,015.43	422.68
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,316.73	422.68
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,229.72	563.69
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,481.89	563.69
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,296.31	563.69
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,658.74	563.69
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,867.24	563.69
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,119.41	563.69
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,920.73	563.69
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,284.25	563.69

33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	232.00	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	280.03	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	11.57	1.96
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	13.27	2.16
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	15.04	2.22
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	15.43	2.27
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	15.99	2.30
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	16.95	2.46
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	23.55	2.98
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.38	3.76
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	39.24	4.55
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	52.40	5.26
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	65.77	6.43
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	94.96	8.28

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	1,361.20	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,514.18	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	1,594.61	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	2,393.25	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	3,694.20	

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,730.98	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,760.30	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,801.21	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,840.76	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,869.99	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	2,034.92	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,086.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0030		**Protective Pipe And Fitting Wrap** *(33 52 16 13-0001)* Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		**Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.10	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.22	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.37	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.81	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.03	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.67	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.83	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.39	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.48	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	12.81	
33 52 16 13-0042		**Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	13.78	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	13.78	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	16.84	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	19.35	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	19.35	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.91	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	30.40	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	44.26	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	45.13	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	52.37	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		**Medium Density Polyethylene (MDPE) Gas Distribution Piping** *(33 52 16 23)* Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	2.83	1.23
		For Colors, Add	*0.04*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.17	1.33
		For SDR 13.5, Deduct	*-0.08*	
		For Colors, Add	*0.05*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.50	1.41
		For SDR 13.5, Deduct	*-0.10*	
		For Colors, Add	*0.06*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.85	1.51
		For SDR 13.5, Deduct	*-0.12*	
		For Colors, Add	*0.08*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.43	1.81
		For SDR 13.5, Deduct	*-0.17*	
		For Colors, Add	*0.11*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.03	1.97
		For SDR 13.5, Deduct	*-0.22*	
		For SDR 15.5, Deduct	*-0.41*	
		For Colors, Add	*0.14*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.42	2.30
		For SDR 13.5, Deduct	*-0.37*	
		For SDR 15.5, Deduct	*-0.69*	
		For Colors, Add	*0.24*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.88	2.74
		For SDR 13.5, Deduct	*-0.51*	
		For SDR 15.5, Deduct	*-0.94*	
		For Colors, Add	*0.33*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	13.04	3.27
		For SDR 13.5, Deduct	*-0.95*	
		For SDR 15.5, Deduct	*-1.74*	
		For Colors, Add	*0.61*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	16.52	3.27
		For SDR 13.5, Deduct	*-1.31*	
		For SDR 15.5, Deduct	*-2.41*	
		For Colors, Add	*0.85*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	20.08	3.27
		For SDR 13.5, Deduct	*-1.68*	
		For SDR 15.5, Deduct	*-3.08*	
		For Colors, Add	*1.08*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	29.90	4.09
		For SDR 13.5, Deduct	*-2.79*	
		For SDR 15.5, Deduct	*-5.14*	
		For Colors, Add	*1.80*	
33 52 16 26		**High Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 26-0001		**High Density Polyethylene (HDPE) Gas Distribution Piping** *(33 52 16 26)* Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	2.89	1.23
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.25	1.33
		For SDR 13.5, Deduct	*-0.09*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.58	1.41
		For SDR 13.5, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.94	1.51
		For SDR 13.5, Deduct	*-0.13*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.57	1.81
		For SDR 13.5, Deduct	*-0.19*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.22	1.97
		For SDR 13.5, Deduct	*-0.25*	
		For SDR 15.5, Deduct	*-0.46*	
		For SDR 17, Deduct	*-0.66*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.72	2.30
		For SDR 13.5, Deduct	*-0.41*	
		For SDR 15.5, Deduct	*-0.76*	
		For SDR 17, Deduct	*-1.10*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	8.30	2.74
		For SDR 13.5, Deduct	*-0.56*	
		For SDR 15.5, Deduct	*-1.04*	
		For SDR 17, Deduct	*-1.50*	
		For SDR 21, Deduct	*-2.06*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	13.80	3.27
		For SDR 13.5, Deduct	*-1.04*	
		For SDR 15.5, Deduct	*-1.91*	
		For SDR 17, Deduct	*-2.78*	
		For SDR 21, Deduct	*-3.80*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	21.44	3.27
		For SDR 13.5, Deduct	*-1.85*	
		For SDR 15.5, Deduct	*-3.39*	
		For SDR 17, Deduct	*-4.93*	
		For SDR 21, Deduct	*-6.75*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	32.15	4.09
		For SDR 13.5, Deduct	*-3.07*	
		For SDR 15.5, Deduct	*-5.65*	
		For SDR 17, Deduct	*-8.20*	
		For SDR 21, Deduct	*-11.23*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	150.31	12.23
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	153.09	12.23
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	159.76	14.52
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	535.68	16.82
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	570.85	26.06
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	1,602.54	58.46
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	2,226.55	77.48

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	368.62	47.90
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	724.41	73.25
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	851.73	73.25
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	1,861.52	91.56
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	2,105.59	112.69
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,771.28	91.56
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	3,084.59	112.69
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	4,072.22	119.74
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,762.39	140.87
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	8,801.89	232.44
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*
Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	7,005.75	230.32
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	7,542.99	267.47
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,723.25	322.08
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	22,775.69	392.10
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	37,644.57	490.12

33 60 Hydronic And Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Prefabricated/Preinsulated Pipe *(33 61 13)*
Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0001)*
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0003 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.56	
		For Schedule 80 Pipe, Add	*5.51*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.55*	
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.74	
		For Schedule 80 Pipe, Add	*6.06*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.76	
		For Schedule 80 Pipe, Add	*6.83*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.42	
		For Schedule 80 Pipe, Add	*7.33*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.43	
		For Schedule 80 Pipe, Add	*7.66*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.23	
		For Schedule 80 Pipe, Add	*8.33*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.83*	
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.85	
		For Schedule 80 Pipe, Add	*8.99*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.90*	
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	101.05	
		For Schedule 80 Pipe, Add	*11.32*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	126.86	
		For Schedule 80 Pipe, Add	*14.49*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.45*	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	147.86	
		For Schedule 80 Pipe, Add	*16.82*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.68*	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	199.44	
		For Schedule 80 Pipe, Add	*24.48*	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.45*	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.21	
		For Schedule 80 Pipe, Add	*32.30*	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.23*	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	314.32	
		For Schedule 80 Pipe, Add	*40.30*	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.03*	

33 61 13 00-0017 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.31	
		For Schedule 80 Pipe, Add	*6.06*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.77	
		For Schedule 80 Pipe, Add	*6.67*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.67*	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.17	
		For Schedule 80 Pipe, Add	*7.51*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.75*	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.09	
		For Schedule 80 Pipe, Add	*8.06*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.81*	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.26	
		For Schedule 80 Pipe, Add	*8.43*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.84*	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.39	
		For Schedule 80 Pipe, Add	*9.16*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.92*	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.34	
		For Schedule 80 Pipe, Add	*9.89*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.99*	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	106.72	
		For Schedule 80 Pipe, Add	*12.46*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.25*	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	134.11	
		For Schedule 80 Pipe, Add	*15.94*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.59*	
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	156.27	
		For Schedule 80 Pipe, Add	*18.50*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.85*	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	211.67	
		For Schedule 80 Pipe, Add	*26.92*	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.69*	
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	269.36	
		For Schedule 80 Pipe, Add	*35.53*	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.55*	
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.47	
		For Schedule 80 Pipe, Add	*44.33*	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.43*	

33 61 13 00-0031 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.69	
		For Schedule 80 Pipe, Add	*6.34*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.28	
		For Schedule 80 Pipe, Add	*6.97*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.88	
		For Schedule 80 Pipe, Add	*7.85*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.92	
		For Schedule 80 Pipe, Add	*8.43*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.84*	
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.17	
		For Schedule 80 Pipe, Add	*8.81*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	76.47	
		For Schedule 80 Pipe, Add	*9.57*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.96*	
33 61 13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	86.59	
		For Schedule 80 Pipe, Add	*10.34*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.03*	
33 61 13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	109.55	
		For Schedule 80 Pipe, Add	*13.02*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	137.73	
		For Schedule 80 Pipe, Add	*16.66*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.67*	
33 61 13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	160.47	
		For Schedule 80 Pipe, Add	*19.34*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.93*	
33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.79	
		For Schedule 80 Pipe, Add	*28.15*	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.81*	
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	277.43	
		For Schedule 80 Pipe, Add	*37.15*	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.71*	
33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	344.54	
		For Schedule 80 Pipe, Add	*46.34*	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.63*	

33 61 13 00-0045 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.76	
		For Schedule 80 Pipe, Add	*6.75*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.55	
		For Schedule 80 Pipe, Add	*7.42*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.44	
		For Schedule 80 Pipe, Add	*8.36*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.84*	
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.66	
		For Schedule 80 Pipe, Add	*8.97*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.90*	
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.04	
		For Schedule 80 Pipe, Add	*9.38*	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.94*	
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.59	
		For Schedule 80 Pipe, Add	*10.20*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.02*	
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.96	
		For Schedule 80 Pipe, Add	*11.01*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.10*	
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.79	
		For Schedule 80 Pipe, Add	*13.87*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.39*	
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	143.16	
		For Schedule 80 Pipe, Add	*17.75*	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.77*	
33 61 13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	166.78	
		For Schedule 80 Pipe, Add	*20.60*	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.06*	
33 61 13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	226.97	
		For Schedule 80 Pipe, Add	*29.98*	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.00*	
33 61 13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	289.55	
		For Schedule 80 Pipe, Add	*39.57*	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.96*	
33 61 13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.65	
		For Schedule 80 Pipe, Add	*49.36*	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.94*	

33 61 13 00-0059 Preinsulated Black Steel Fittings *(33 61 13 00-0001)*

Note: No excavation or backfill.

33 61 13 00-0060 Elbows *(33 61 13 00-0059)*

33 61 13 00-0061 Elbows *(33 61 13 00-0060)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.66*	
33 61 13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	377.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	432.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.59*	
33 61 13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	485.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.19*	
33 61 13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	563.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.49*	
33 61 13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	666.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	773.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.99*	
33 61 13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	902.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.49*	
33 61 13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,079.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.49*	
33 61 13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,190.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.32*	
33 61 13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,674.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.15*	
33 61 13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,262.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.31*	
33 61 13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,889.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.47*	

33 61 13 00-0075 Elbows *(33 61 13 00-0060)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	385.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.09*	
33 61 13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	398.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.23*	
33 61 13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	457.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.09*	
33 61 13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	512.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	591.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.06*	
33 61 13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	695.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.38*	
33 61 13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	807.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.67*	
33 61 13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	942.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,129.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.50*	
33 61 13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,248.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.47*	
33 61 13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,757.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.81*	
33 61 13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,368.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.43*	
33 61 13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,030.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*40.28*	

33 61 13 00-0089 Elbows *(33 61 13 00-0060)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	406.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.51*	
33 61 13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	420.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.66*	
33 61 13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	482.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	539.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.27*	
33 61 13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	619.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.62*	
33 61 13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	724.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.96*	
33 61 13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	841.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	981.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.06*	
33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,180.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.51*	
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,305.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.62*	
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,840.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.47*	
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,474.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.55*	
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,170.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*43.09*	

33 61 13 00-0103 Elbows *(33 61 13 00-0060)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	442.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.10*	
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	507.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.08*	
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	566.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.81*	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	648.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.18*	
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	753.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.55*	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	874.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.01*	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,020.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.85*	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,230.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.52*	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,363.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.77*	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,923.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.13*	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,580.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.68*	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,311.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*45.89*	

33 61 13 00-0117 Tees *(33 61 13 00-0059)*

33 61 13 00-0118 Tees *(33 61 13 00-0117)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	541.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.41*	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	561.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.61*	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	644.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	723.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.68*	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	839.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.13*	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	992.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.57*	
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,153.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.35*	
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,346.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.58*	
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,610.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.03*	
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,775.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.75*	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,494.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.89*	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,373.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.04*	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,306.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*55.64*	

33 61 13 00-0132 Tees *(33 61 13 00-0117)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	573.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	593.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.25*	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	680.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.53*	
33 61 13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	763.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.48*	
33 61 13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	881.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.96*	
33 61 13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,036.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.44*	
33 61 13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,203.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.35*	
33 61 13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,404.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.75*	
33 61 13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,685.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.53*	
33 61 13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,860.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.46*	
33 61 13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,617.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.35*	
33 61 13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,530.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*45.19*	
33 61 13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,515.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*59.81*	

33 61 13 00-0146 Tees *(33 61 13 00-0117)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	604.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.67*	
33 61 13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	625.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	717.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.26*	
33 61 13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	803.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	923.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.80*	
33 61 13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,079.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.31*	
33 61 13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,253.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.36*	
33 61 13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,463.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.91*	
33 61 13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,761.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.03*	
33 61 13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,946.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.16*	
33 61 13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,741.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.82*	
33 61 13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,688.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*48.34*	
33 61 13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,723.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*63.98*	

33 61 13 00-0160 Tees *(33 61 13 00-0117)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	636.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.30*	
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	657.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.54*	
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	754.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.00*	
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	843.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.09*	
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	964.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.63*	
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,123.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.18*	
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,303.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.36*	
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,521.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.08*	
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,836.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.54*	
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,031.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.87*	
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,864.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*40.29*	
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,846.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*51.49*	
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,932.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*68.15*	

33 61 13 00-0174 Reducers *(33 61 13 00-0059)*

33 61 13 00-0175 Reducers *(33 61 13 00-0174)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.70*	
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	319.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.81*	
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	366.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.47*	
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	411.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	481.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.22*	
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	578.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.47*	
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	667.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.46*	
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	775.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.71*	
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	924.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.19*	
33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,018.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.71*	
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,429.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.38*	
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,937.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.49*	
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,468.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.10*	

33 61 13 00-0189 Reducers *(33 61 13 00-0174)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	325.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.05*	
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	337.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.17*	
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	387.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.88*	
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	434.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.42*	
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	504.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.69*	
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	602.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.95*	
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	695.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.02*	
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	808.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.36*	
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	966.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.03*	
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,066.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.67*	
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,498.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.76*	
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,025.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.26*	
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,584.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.43*	

33 61 13 00-0203 Reducers *(33 61 13 00-0174)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	343.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.40*	
33 61 13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	407.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.29*	
33 61 13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	456.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.87*	
33 61 13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	527.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	627.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.44*	
33 61 13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	723.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.58*	
33 61 13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	840.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.01*	
33 61 13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,008.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.87*	
33 61 13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,113.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.62*	
33 61 13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,567.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.14*	
33 61 13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,113.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.02*	
33 61 13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,701.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.76*	

33 61 13 00-0217 Reducers *(33 61 13 00-0174)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	360.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	373.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.89*	
33 61 13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	428.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.70*	
33 61 13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	479.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.31*	
33 61 13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	551.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.62*	
33 61 13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	651.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.92*	
33 61 13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	751.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.14*	
33 61 13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	873.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.67*	
33 61 13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,050.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.71*	
33 61 13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,161.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.58*	
33 61 13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,636.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.52*	
33 61 13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,201.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.78*	
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,817.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*38.09*	

33 61 13 00-0231 Preinsulated Type K Copper Pipe *(33 61 13 00-0001)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0232 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	38.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.41*	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	41.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.45*	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.51*	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.62*	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.67*	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	86.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.84*	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	108.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.07*	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	126.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.25*	
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	167.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.82*	
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	211.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.40*	
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.99*	

33 61 13 00-0246 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	40.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.45*	
33 61 13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	44.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.56*	
33 61 13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	90.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.92*	
33 61 13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.18*	
33 61 13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	132.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.37*	
33 61 13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	176.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.00*	
33 61 13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	223.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.64*	
33 61 13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	277.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.29*	

33 61 13 00-0260 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	41.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	73.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	92.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	116.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	135.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.43*	
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	181.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0274 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	43.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.50*	
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	46.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.55*	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.62*	
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.67*	
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.76*	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	75.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.82*	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	95.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.03*	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.32*	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	140.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.53*	
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	188.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.22*	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	238.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.94*	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.66*	

33 61 13 00-0288 Preinsulated Copper Fittings *(33 61 13 00-0001)*

33 61 13 00-0289 Elbows *(33 61 13 00-0288)*

33 61 13 00-0290 Elbows *(33 61 13 00-0289)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	303.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	314.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	361.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	405.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	472.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	561.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	651.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	760.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	907.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	999.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,404.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.23*	
33 61 13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,901.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.30*	
33 61 13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,425.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0304 Elbows *(33 61 13 00-0289)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.01*	
33 61 13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	332.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.13*	
33 61 13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	381.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.83*	
33 61 13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.36*	
33 61 13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	495.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.63*	
33 61 13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.89*	
33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	679.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.96*	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	792.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.28*	
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	948.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.93*	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,047.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.55*	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.59*	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,988.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.04*	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,541.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.15*	

33 61 13 00-0318 Elbows *(33 61 13 00-0289)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	338.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	350.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.48*	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	401.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.24*	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	450.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.81*	
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	519.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.09*	
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	609.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.38*	
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	707.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	825.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.93*	
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	990.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.77*	
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,094.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.50*	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,541.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.96*	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,075.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.79*	
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,657.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.46*	

33 61 13 00-0332 Elbows *(33 61 13 00-0289)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.71*	
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	368.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.84*	
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.65*	
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	472.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	542.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.55*	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	633.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.86*	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	734.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.07*	
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	857.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.58*	
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,031.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.60*	
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,141.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.44*	
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,609.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.33*	
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,162.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.54*	
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,772.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.77*	

33 61 13 00-0346 Tees *(33 61 13 00-0288)*

33 61 13 00-0347 Tees *(33 61 13 00-0346)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	451.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	467.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.08*	
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	537.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.06*	
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	603.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.79*	
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	704.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.16*	
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	836.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.52*	
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	972.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,134.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.82*	
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,354.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.48*	
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,490.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.72*	
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,092.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.07*	
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,835.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.60*	
33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,615.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*45.79*	

33 61 13 00-0361 Tees *(33 61 13 00-0346)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	477.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.44*	
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	494.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.61*	
33 61 13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	567.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.66*	
33 61 13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	636.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.45*	
33 61 13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	738.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.84*	
33 61 13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	872.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.24*	
33 61 13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,013.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.81*	
33 61 13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,182.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.78*	
33 61 13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,415.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.72*	
33 61 13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.13*	
33 61 13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,193.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.10*	
33 61 13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,965.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.19*	
33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,786.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*49.22*	

33 61 13 00-0375 Tees *(33 61 13 00-0346)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	503.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.96*	
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	520.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.14*	
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	597.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.27*	
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	669.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.11*	
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	772.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.53*	
33 61 13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	907.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.95*	
33 61 13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,054.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.64*	
33 61 13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,230.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,477.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.96*	
33 61 13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,631.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.53*	
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,294.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.13*	
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,093.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.79*	
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,960.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*52.66*	

33 61 13 00-0389 Tees *(33 61 13 00-0346)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	529.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.48*	
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	547.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.68*	
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	628.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.87*	
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	702.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.77*	
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	807.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.22*	
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	943.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.67*	
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,095.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.46*	
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,278.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.71*	
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,539.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.19*	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,701.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.94*	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,396.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.16*	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,222.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.38*	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,132.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*56.09*	

33 61 13 00-0403 Reducers *(33 61 13 00-0288)*

33 61 13 00-0404 Reducers *(33 61 13 00-0403)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	256.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.87*	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.96*	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.50*	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	344.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.91*	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	403.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.12*	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.32*	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	562.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.14*	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	654.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	777.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	855.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.46*	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,200.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.13*	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,629.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.34*	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,073.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.59*	

33 61 13 00-0418 Reducers *(33 61 13 00-0403)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	271.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.16*	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.26*	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	322.83	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.84*	
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.28*	
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	423.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.50*	
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	507.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.72*	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.60*	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	681.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.70*	
33 61 13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	812.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	895.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.25*	
33 61 13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,257.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.26*	
33 61 13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,702.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.79*	
33 61 13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,169.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.51*	

33 61 13 00-0432 Reducers *(33 61 13 00-0403)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.45*	
33 61 13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.55*	
33 61 13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	339.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.18*	
33 61 13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	381.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.65*	
33 61 13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	442.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.89*	
33 61 13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	527.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0439	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.06*	
33 61 13 00-0440	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	707.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.24*	
33 61 13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	846.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.60*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	934.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.03*	
33 61 13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,313.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.40*	
33 61 13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,774.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.24*	
33 61 13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,265.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.43*	

33 61 13 00-0446 Reducers *(33 61 13 00-0403)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	300.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.74*	
33 61 13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	310.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.85*	
33 61 13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	356.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.52*	
33 61 13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	399.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.02*	
33 61 13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	461.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.27*	
33 61 13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	547.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.52*	
33 61 13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	632.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.52*	
33 61 13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	734.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.78*	
33 61 13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	881.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.29*	
33 61 13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	973.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.82*	
33 61 13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,370.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.53*	
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,847.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.69*	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,361.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.35*	

33 61 13 00-0460 Tempered Water Piping Pre-Insulated *(33 61 13 00-0001)*

33 61 13 00-0461 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0460)*

33 61 13 00-0462	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	56.59	15.75
33 61 13 00-0463	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	68.74	16.83
33 61 13 00-0464	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	93.80	18.65
33 61 13 00-0465	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	126.73	23.32
33 61 13 00-0466	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	161.69	28.76

33 61 13 00-0467 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0460)*

33 61 13 00-0468	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	34.72	16.83
33 61 13 00-0469	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	37.85	16.83
33 61 13 00-0470	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	40.76	16.83
33 61 13 00-0471	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	49.00	19.89
33 61 13 00-0472	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	59.58	25.24

33 61 13 00-0473 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0460)*

33 61 13 00-0474	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	34.72	16.83
33 61 13 00-0475	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	37.85	16.83
33 61 13 00-0476	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	40.76	16.83
33 61 13 00-0477	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	49.00	19.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0478	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	59.58	25.24

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission And Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

33 71 19 13-0002 Electrical Pull Boxes *(33 71 19 13-0001)*

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,492.31	
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,791.34	
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,077.37	
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,249.39	
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,470.39	
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,734.65	
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,298.31	

33 71 19 13-0010 Electrical Property Line Boxes *(33 71 19 13)*

33 71 19 13-0011	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	3,012.05	292.31
33 71 19 13-0012	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	3,529.44	303.14
33 71 19 13-0013	EA	6' x 4' x 5' Deep Property Line Box	3,881.60	368.10
33 71 19 13-0014	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	5,937.51	541.33

33 71 19 13-0015 Manhole Accessories *(33 71 19 13)*

33 71 19 13-0016	EA	6" Precast Grade Ring Riser Casting	379.43	
33 71 19 13-0017	EA	12" Precast Grade Ring Riser Casting	410.87	
33 71 19 13-0018	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	1,559.78	
33 71 19 13-0019	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,036.80	
33 71 19 13-0020	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	652.37	
33 71 19 13-0021	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	832.02	

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Electrical Concrete Markers *(33 71 19 23)*

33 71 19 23-0002	EA	36" x 6" x 6", Underground Electric Concrete Marker	245.60	

END OF SECTION 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0002	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,496.68	133.57
34 41 13 00-0003	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,521.50	133.57
34 41 13 00-0004	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,942.97	133.57
34 41 13 00-0005	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	4,022.42	133.57
34 41 13 00-0006	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	7,377.56	133.57
34 41 13 00-0007	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,688.89	133.57

34 70 Transportation Construction And Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001 Cast In Place Concrete Barriers *(34 71 13 13)*
Note: Excludes excavation and backfill. Includes concrete, formwork, steel reinforcement.

34 71 13 13-0002	LF	Type A Cast in Place Concrete Barrier	91.69
34 71 13 13-0003	LF	Type B Cast in Place Concrete Barrier	106.69
34 71 13 13-0004	LF	Type C Cast in Place Concrete Barrier	106.69
34 71 13 13-0005	LF	Half Section Cast in Place Concrete Barrier	83.70
34 71 13 13-0006	LF	Single Slope Cast in Place Concrete Barrier	111.80

34 71 13 13-0007 Precast Concrete Barriers *(34 71 13 13)*
Note: Excludes excavation and Backfill. Product as manufactured by Binghamton Precast and Supply.

34 71 13 13-0008	LF	Type A Precast Concrete Barrier	88.61
		For Up To 5, Add	*33.00*
34 71 13 13-0009	LF	Type B Precast Concrete Barrier	102.25
		For Up To 5, Add	*39.82*
34 71 13 13-0010	LF	Type C Precast Concrete Barrier	102.25
		For Up To 5, Add	*39.82*
34 71 13 13-0011	LF	Pier Protection Half Section Precast Concrete Barrier	84.30
		For Up To 5, Add	*30.85*
		For Up To 20, Add	*8.63*
34 71 13 13-0012	LF	8" Top, Single Slope Precast Concrete Barrier	90.94
		For Up To 5, Add	*34.17*
34 71 13 13-0013	LF	12" Top, Single Slope Precast Concrete Barrier	106.82
		For Up To 5, Add	*42.11*
34 71 13 13-0014	LF	Single Slope Half Section Precast Concrete Barrier	96.47
		For Up To 5, Add	*36.93*
		For Up To 20, Add	*9.92*
34 71 13 13-0015	LF	Transition To Box Beam Guide Rail, Single Slope Half Section Precast Concrete Barrier	105.61
		For Up To 5, Add	*41.50*

34 71 13 13-0016 Glare Screen *(34 71 13 13)*
Note: Includes fasteners to mount on median barrier.

34 71 13 13-0017	LF	Glare Screen	100.73	5.28

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*
Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel Note: Includes containers, inserts, and lid.	620.82	39.73

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0001		**Mobilize Guide Rail Crew** *(34 71 13 26)* Note: Excludes equipment mobilization.		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	1,001.68	
34 71 13 26-0003		**Corrugated Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0004		**Corrugated Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0005		**Corrugated Beam Guide Railing. Straight Sections** *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	14.80	1.79
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	15.97	1.79
34 71 13 26-0008		**Corrugated Beam Guide Railing, Shop Curved** *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	19.39	1.79
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	21.01	1.79
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	50.05	1.79
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	54.63	1.79
34 71 13 26-0013		**Corrugated Beam Guide Railing, Manufactured End Sections** *(34 71 13 26-0003)*		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	110.84	23.61
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	117.10	23.61
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	148.38	23.61
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	154.63	23.61
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	148.38	23.61
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	154.63	23.61
34 71 13 26-0020		**Corrugated Beam Guide Rail End Terminal Systems** *(34 71 13 26-0003)* Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket	3,790.48	145.25
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	3,164.95	145.25
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	3,790.48	145.25
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	560.45	68.47
34 71 13 26-0025		**Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)* Note: Includes mounting hardware.		
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail	114.75	10.99
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.93*	
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	121.01	10.99
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.93*	
34 71 13 26-0028	EA	Extra Long Post For Corrugated Beam Guide Rail	127.27	10.99
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.93*	
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	133.52	10.99
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.93*	
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	114.75	10.99
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.93*	
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	164.80	10.99
		For Installation In Rock, Add	*2.93*	
34 71 13 26-0032		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)* Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0033	EA	Standard Post For heavy post blocked out corrugated beam guide rail	114.75	10.99
34 71 13 26-0034	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	121.01	10.99
34 71 13 26-0035	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail	127.27	10.99
34 71 13 26-0036	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail Note: For heavy post blocked out corrugated beam guide (rustic)	133.52	10.99
34 71 13 26-0037	EA	Type A Post 1630mm Post Note: For heavy post blocked out corrugated beam guide rail	111.63	10.99
34 71 13 26-0038	EA	Type A Post 1630mm Post (Rustic) Note: For heavy post blocked out corrugated beam guide rail	117.88	10.99
34 71 13 26-0039	EA	Type B Post 1460mm Note: For heavy post blocked out corrugated beam guide rail	105.37	10.99
34 71 13 26-0040	EA	Type B Post 1460mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	111.63	10.99
34 71 13 26-0041	EA	Type C Post 1290mm Note: For heavy post blocked out corrugated beam guide rail	99.12	10.99
34 71 13 26-0042	EA	Type C Post 1290mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	105.37	10.99
34 71 13 26-0043	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	428.52	10.99
34 71 13 26-0044	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam Note: For heavy post blocked out corrugated beam guide rail.	45.95	10.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0045		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0046	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	98.33	26.83
34 71 13 26-0047		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)* Note: Includes associated hardware.		
34 71 13 26-0048	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	10.48	
34 71 13 26-0049	EA	Install Stored Post For Corrugated Beam Guide Rail	35.78	
34 71 13 26-0050	LF	Install Stored Corrugated Beam Guide Railing And Post	6.09	
34 71 13 26-0051		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0052		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0051)* Note: Add additional length for back-up sections.		
34 71 13 26-0053	LF	Corrugated Thrie Beam Guide Railing	34.95	2.25
34 71 13 26-0054	LF	Corrugated Thrie Beam Guide Railing (Rustic)	36.85	2.25
34 71 13 26-0055		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0051)* Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Shop Curved Corrugated Thrie Beam Guide Railing	42.57	2.25
34 71 13 26-0057	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	44.48	2.25
34 71 13 26-0058		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0051)* Note: Includes hardware for mounting.		
34 71 13 26-0059	EA	Standard Post For Corrugated Thrie Beam Guide Rail	140.63	2.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0060	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	146.88	2.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0061		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0062		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0061)*		
34 71 13 26-0063		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0062)*		
34 71 13 26-0064	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	42.10	2.25
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0065	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	47.82	2.25
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0066	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices	49.92	2.25
34 71 13 26-0067		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0062)*		
34 71 13 26-0068	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	64.02	2.25
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0069	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	69.74	2.25
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0070	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices.	76.20	2.25
34 71 13 26-0071		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0061)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0072	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	661.31	26.83
34 71 13 26-0073	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	730.12	26.83
34 71 13 26-0074	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	623.78	26.83
34 71 13 26-0075	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	648.80	26.83
34 71 13 26-0076	EA	Type III, Box Beam Guiderail End Section Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	18,772.22	715.49
34 71 13 26-0077		**Splices For Box Beam Guide Rail** *(34 71 13 26-0061)*		
34 71 13 26-0078	EA	Splice For Box Beam Guide Rail	173.48	39.83
34 71 13 26-0079	EA	Splice For Box Beam Guide Rail (Rustic)	217.27	39.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0080		**Box Beam Guide Rail Posts** *(34 71 13 26-0061)*		
		Note: Includes hardware for box beam mounting.		
34 71 13 26-0081	EA	Standard Post For Box Beam Guide Rail	148.95	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0082	EA	Standard Post (Rustic) for Box Beam Guide Railing	155.21	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0083	EA	Extra Long Post For Box Beam Guide Rail	161.47	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0084	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	167.72	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0085	EA	Type I End Assembly Post	142.70	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0086	EA	Type I End Assembly Post (Rustic)	148.95	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0087	EA	Type II End Assembly Post	136.44	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0088	EA	Type II End Assembly Post (Rustic)	142.70	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0089		**Box Beam Guide Rail Accessories** *(34 71 13 26-0061)*		
34 71 13 26-0090	EA	Box Beam Guide Rail End Cover Plate	85.79	8.05
34 71 13 26-0091	EA	Box Beam Guide Rail End Cover Plate (Rustic)	92.05	8.05
34 71 13 26-0092		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0061)*		
		Note: For existing guide rail.		
34 71 13 26-0093	LF	Removal And Storage Of Box Beam Guide Rail And Post	3.53	
34 71 13 26-0094	LF	Reset Box Beam Guide Rail	10.31	
34 71 13 26-0095		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0096		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0095)*		
34 71 13 26-0097		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0096)*		
34 71 13 26-0098	LF	Box Beam Median Barrier Galvanized Excludes Splices	70.79	8.05
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0099	LF	Box Beam Median Barrier (Rustic) Excludes Splices	76.51	8.05
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0100		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0096)*		
34 71 13 26-0101	LF	Shop Curved Box Beam Median Barrier Galvanized	85.82	8.05
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0102	LF	Shop Curved Box Beam Median Barrier Rustic	104.59	8.05
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0103		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0095)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0104	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	2,156.33	26.83
		Note: Excludes splices and post.		
34 71 13 26-0105	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	2,206.37	26.83
		Note: Excludes splices and post.		
34 71 13 26-0106	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	2,156.33	26.83
		Note: Excludes splices and post.		
34 71 13 26-0107	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	2,206.37	26.83
		Note: Excludes splices and post.		
34 71 13 26-0108		**Splices For Box Beam Median Barrier** *(34 71 13 26-0095)*		
34 71 13 26-0109	EA	Splice for Box Beam Median Barrier	166.23	21.46
34 71 13 26-0110	EA	Splice for Box Beam Median Barrier (Rustic)	260.06	21.46
34 71 13 26-0111		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0095)*		
		Note: Includes all associated hardware.		
34 71 13 26-0112	EA	Standard Post for Box Beam Median Barrier	148.95	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0113	EA	Standard Post (Rustic) for Box Beam Median Barrier	155.21	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0114	EA	Extra Long Post for Box Beam Median Barrier	161.47	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0115	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	167.72	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0116	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier.	136.44	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0117	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier.	136.44	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0118	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition.	161.47	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0119	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition.	167.72	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	

34 71 13 26-0120 Box Beam Median Barrier Accessories *(34 71 13 26-0095)*

34 71 13 26-0121	EA	Box Beam Median Barrier End Cover Plate	106.80	18.89
34 71 13 26-0122	EA	Box Beam Median Barrier End Cover Plate (Rustic)	113.06	18.89

34 71 13 26-0123 Box Beam Median Barrier Repair, And Resetting *(34 71 13 26-0095)*

Note: For existing guide rail.

34 71 13 26-0124	LF	Removal And Storage Of Box Beam Median Barrier and Posts	3.65	
34 71 13 26-0125	LF	Reset Box Beam Median Barrier	10.80	

34 71 13 26-0126 Universal Guide Rail Items *(34 71 13 26)*

34 71 13 26-0127 Guide Rail Concrete Anchor Units For All Types Of Guide Rail *(34 71 13 26-0126)*

Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.

34 71 13 26-0128	CY	Guide Rail Concrete Anchor Unit	581.28	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0129	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	410.29	
34 71 13 26-0130	EA	Removal Of Guide Rail Concrete Anchor Unit	414.00	

34 71 13 26-0131 Guide Rail Repair For All Types Of Existing Guide Rail *(34 71 13 26-0126)*

Note: All tasks include associated hardware.

34 71 13 26-0132	EA	Straighten And Reset Driven Post For Guide Rail	48.87	
34 71 13 26-0133	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail Note: With base plate for guide rail. Includes new anchor bolts.	57.88	

34 71 13 26-0134 Additional Wood and Steel Posts *(34 71 13 26-0126)*

34 71 13 26-0135	LF	4" x 6" Wood Post	46.03	12.24
		For Installation In Rock, Add	*3.26*	
34 71 13 26-0136	LF	6" x 8" Wood Post	55.41	12.24
		For Installation In Rock, Add	*3.26*	
34 71 13 26-0137	LF	6" x 7/8" Galvanized Steel Post	34.04	12.24
		For Installation In Rock, Add	*3.26*	
34 71 13 26-0138	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	324.97	12.24

34 71 13 26-0139 Accessories For All Types of Guide Rail *(34 71 13 26-0126)*

34 71 13 26-0140	EA	Reflector For Guard Rail	40.54	

34 71 13 26-0141 Guide Rail Transitions *(34 71 13 26)*

34 71 13 26-0142 Transition Box Beam Guide Rail To Corrugated Beam *(34 71 13 26-0141)*

Note: Use cable guide rail section for cable, anchor angle and cable end assembly.

34 71 13 26-0143	EA	Box Beam To Corrugated Beam Rail Bolted Section	614.29	
34 71 13 26-0144	EA	Box Beam To Corrugated Beam Rail Bolted Plate Note: For making cable connections.	364.08	

34 71 13 26-0145 Transition Box Beam Median Barrier To Corrugated Beam Median *(34 71 13 26-0141)*

Note: Use cable guide rail section for anchor angle and cable end assembly.

34 71 13 26-0146	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	626.80	
34 71 13 26-0147	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	364.08	

34 71 13 26-0148 Transition Box Beam Guide Rail To Cable Guide Rail *(34 71 13 26-0141)*

Note: Use cable guide rail section for cable, anchor angle and end connections at anchor unit.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0149	EA	Box Beam to Cable Guide Rail U-bolt And Plate	86.45	14.31
34 71 13 26-0150		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0141)*		
		Note: For end treatment sections for rub rail turnback, use box beam guide rail end treatments.		
34 71 13 26-0151	EA	Box Beam Median Barrier To Concrete Barrier End Connection	864.50	
34 71 13 26-0152		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0141)*		
34 71 13 26-0153	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	551.73	
34 71 13 26-0154	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	708.12	
34 71 13 26-0155		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0156		**Cable Guide Rail** *(34 71 13 26-0155)*		
34 71 13 26-0157	LF	Cable (Each Cable)	7.92	1.93
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0158	EA	Cable Splice With Wedges	205.54	13.41
34 71 13 26-0159		**Cable Guide Rail Posts** *(34 71 13 26-0155)*		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0160	EA	Standard Post for Cable Guide Rail	142.70	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0161	EA	Standard Post (Rustic) for Cable Guide Rail	148.95	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0162	EA	Extra Long Post for Cable Guide Rail	148.95	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0163	EA	Extra Long Post (Rustic) for Cable Guide Rail	155.21	36.65
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.77*	
34 71 13 26-0164	EA	Slip Impact Post Top for Anchor Unit	94.60	14.67
34 71 13 26-0165	EA	Slip Impact Post Base and Keeper Plate	250.99	14.67
		Note: For anchor unit.		
34 71 13 26-0166		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0155)*		
34 71 13 26-0167	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	451.65	179.23
34 71 13 26-0168	EA	Turnbuckle Cable End Assembly	137.06	8.96
34 71 13 26-0169	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	443.81	4.46
34 71 13 26-0170	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	456.32	4.46
34 71 13 26-0171	EA	Breakaway Anchor Angle	174.59	8.96
34 71 13 26-0172	EA	Standard End Post Cap Assembly	81.00	4.46
34 71 13 26-0173	EA	Driveway End Post Cap Assembly	68.49	4.46
34 71 13 26-0174	EA	End Post Ground Support Plates	37.22	4.46
34 71 13 26-0175	EA	11" Stud Bolt, Cable Guide Rail	32.52	4.46
34 71 13 26-0176	EA	18" Stud Bolt, Cable Guide Rail	38.78	4.46
34 71 13 26-0177	EA	25" Stud Bolt, Cable Guide Rail	45.04	4.46
34 71 13 26-0178	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	387.27	8.96
34 71 13 26-0179	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	412.29	8.96
34 71 13 26-0180	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	274.67	8.96
34 71 13 26-0181	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	168.58	4.46
34 71 13 26-0182	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	174.59	8.96
34 71 13 26-0183	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	186.77	13.41
34 71 13 26-0184		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0155)*		
34 71 13 26-0185	EA	Turnbuckle Cable End Assembly	310.32	12.24
		Note: For use with slip impact post.		
34 71 13 26-0186	EA	Spring Cable End Assembly (Compensating Device)	610.57	12.24
		Note: For use with slip impact post.		
34 71 13 26-0187	EA	Anchor Angle For Slip Impact Post System	178.96	12.24
34 71 13 26-0188	EA	Cable End Assembly Rod	147.68	12.24
		Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0189		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0155)*		
		Note: All tasks include associated hardware.		
34 71 13 26-0190	LF	Retention Existing Cable (Each Cable)	1.19	
34 71 13 26-0191	LF	Removal And Storage Of Cable Guide Railing	7.20	
34 71 13 26-0192	EA	Install Stored Post For Cable Guide Railing	48.87	
34 71 13 26-0193	LF	Install Stored Cable, (Each Cable)	3.18	
		Note: Includes retensioning. Excludes splices.		
34 71 13 26-0194		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0195		**Timber Guide Rail Posts** *(34 71 13 26-0194)*		
34 71 13 26-0196	EA	6" x 8" Timber Guide Rail Post	70.11	8.95
34 71 13 26-0197	EA	6" x 9" Timber Guide Rail Post	79.56	8.95
34 71 13 26-0198	EA	10" x 10" Timber Guide Rail Post	153.62	8.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199	EA	10" x 12" Timber Guide Rail Post	162.46	8.95
34 71 13 26-0200	EA	12" x 12" Timber Guide Rail Post	187.63	8.95
34 71 13 26-0201		**Timber Guide Rails** *(34 71 13 26-0194)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0202	LF	4" x 8" Timber Guide Rail	7.97	1.08
34 71 13 26-0203	LF	4" x 9" Timber Guide Rail	8.70	1.08
34 71 13 26-0204	LF	6" x 10" Timber Guide Rail	12.10	1.08
34 71 13 26-0205	LF	6" x 12" Timber Guide Rail	14.09	1.08
34 71 13 26-0206		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0194)*		
34 71 13 26-0207	EA	4" x 9" Spacer Block For Timber Guide Rails	11.32	1.43
34 71 13 26-0208	EA	6" x 8" Spacer Block For Timber Guide Rails	12.96	1.43
34 71 13 26-0209	EA	8" x 8" Spacer Block For Timber Guide Rails	15.04	1.43
34 71 13 26-0210		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0194)*		
34 71 13 26-0211	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	15.42	0.90
34 71 13 26-0212		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0194)*		
34 71 13 26-0213	EA	Weathering Steel Splice Plate For Timber Guide Rails	109.23	12.52
34 71 13 26-0214	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	68.85	8.95
34 71 13 26-0215		**Individual Concrete Guard Rail Posts** *(34 71 13 26)*		
34 71 13 26-0216	EA	6'-5" Concrete Guard Rail Posts, Round	78.25	5.52
34 71 13 26-0217	EA	6'-5" Concrete Posts, Square	87.45	6.22
34 71 13 26-0218	EA	6'-5" Concrete Posts, Triangular	85.02	6.22

END OF SECTION 34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	459.04	140.24
		For Class 52 Rating, Deduct	*-27.12*	
		For Class 54 Rating, Add	*18.49*	
		For Class 55 Rating, Add	*41.10*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	489.14	142.69
		For Class 52 Rating, Deduct	*-30.02*	
		For Class 54 Rating, Add	*20.47*	
		For Class 55 Rating, Add	*45.50*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	519.23	145.15
		For Class 52 Rating, Deduct	*-32.93*	
		For Class 54 Rating, Add	*22.45*	
		For Class 55 Rating, Add	*49.90*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	549.34	147.60
		For Class 52 Rating, Deduct	*-35.83*	
		For Class 54 Rating, Add	*24.43*	
		For Class 55 Rating, Add	*54.29*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	579.43	150.05
		For Class 52 Rating, Deduct	*-38.73*	
		For Class 54 Rating, Add	*26.41*	
		For Class 55 Rating, Add	*58.69*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	609.53	152.50
		For Class 52 Rating, Deduct	*-41.63*	
		For Class 54 Rating, Add	*28.38*	
		For Class 55 Rating, Add	*63.09*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	639.62	154.95
		For Class 52 Rating, Deduct	*-44.53*	
		For Class 54 Rating, Add	*30.36*	
		For Class 55 Rating, Add	*67.49*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	669.71	157.40
		For Class 52 Rating, Deduct	*-47.43*	
		For Class 54 Rating, Add	*32.34*	
		For Class 55 Rating, Add	*71.88*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	699.81	159.86
		For Class 52 Rating, Deduct	*-50.34*	
		For Class 54 Rating, Add	*34.32*	
		For Class 55 Rating, Add	*76.28*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	729.90	162.30
		For Class 52 Rating, Deduct	*-53.24*	
		For Class 54 Rating, Add	*36.30*	
		For Class 55 Rating, Add	*80.68*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	760.00	164.76
		For Class 52 Rating, Deduct	*-56.14*	
		For Class 54 Rating, Add	*38.28*	
		For Class 55 Rating, Add	*85.08*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	790.09	167.22
		For Class 52 Rating, Deduct	*-59.04*	
		For Class 54 Rating, Add	*40.26*	
		For Class 55 Rating, Add	*89.47*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	820.20	169.66
		For Class 52 Rating, Deduct	*-61.94*	
		For Class 54 Rating, Add	*42.23*	
		For Class 55 Rating, Add	*93.87*	
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	850.29	172.12
		For Class 52 Rating, Deduct	*-64.85*	
		For Class 54 Rating, Add	*44.21*	
		For Class 55 Rating, Add	*98.27*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	880.38	174.56
		For Class 52 Rating, Deduct	*-67.75*	
		For Class 54 Rating, Add	*46.19*	
		For Class 55 Rating, Add	*102.67*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	910.48	177.02
		For Class 52 Rating, Deduct	*-70.65*	
		For Class 54 Rating, Add	*48.17*	
		For Class 55 Rating, Add	*107.07*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	940.57	179.47
		For Class 52 Rating, Deduct	*-73.55*	
		For Class 54 Rating, Add	*50.15*	
		For Class 55 Rating, Add	*111.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	970.67	181.92
		For Class 52 Rating, Deduct	*-76.45*	
		For Class 54 Rating, Add	*52.13*	
		For Class 55 Rating, Add	*115.86*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.76	184.37
		For Class 52 Rating, Deduct	*-79.36*	
		For Class 54 Rating, Add	*54.11*	
		For Class 55 Rating, Add	*120.26*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,030.86	186.83
		For Class 52 Rating, Deduct	*-82.26*	
		For Class 54 Rating, Add	*56.08*	
		For Class 55 Rating, Add	*124.66*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.95	189.28
		For Class 52 Rating, Deduct	*-85.16*	
		For Class 54 Rating, Add	*58.06*	
		For Class 55 Rating, Add	*129.05*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,091.04	191.73
		For Class 52 Rating, Deduct	*-88.06*	
		For Class 54 Rating, Add	*60.04*	
		For Class 55 Rating, Add	*133.45*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.15	194.18
		For Class 52 Rating, Deduct	*-90.96*	
		For Class 54 Rating, Add	*62.02*	
		For Class 55 Rating, Add	*137.85*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.24	196.63
		For Class 52 Rating, Deduct	*-93.86*	
		For Class 54 Rating, Add	*64.00*	
		For Class 55 Rating, Add	*142.25*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.34	199.09
		For Class 52 Rating, Deduct	*-96.77*	
		For Class 54 Rating, Add	*65.98*	
		For Class 55 Rating, Add	*146.64*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.43	201.53
		For Class 52 Rating, Deduct	*-99.67*	
		For Class 54 Rating, Add	*67.96*	
		For Class 55 Rating, Add	*151.04*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.53	203.99
		For Class 52 Rating, Deduct	*-102.57*	
		For Class 54 Rating, Add	*69.93*	
		For Class 55 Rating, Add	*155.44*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.62	206.44
		For Class 52 Rating, Deduct	*-105.47*	
		For Class 54 Rating, Add	*71.91*	
		For Class 55 Rating, Add	*159.84*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,301.72	208.89
		For Class 52 Rating, Deduct	*-108.37*	
		For Class 54 Rating, Add	*73.89*	
		For Class 55 Rating, Add	*164.24*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,331.82	211.35
		For Class 52 Rating, Deduct	*-111.28*	
		For Class 54 Rating, Add	*75.87*	
		For Class 55 Rating, Add	*168.63*	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.91	213.79
		For Class 52 Rating, Deduct	*-114.18*	
		For Class 54 Rating, Add	*77.85*	
		For Class 55 Rating, Add	*173.03*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,392.01	216.25
		For Class 52 Rating, Deduct	*-117.08*	
		For Class 54 Rating, Add	*79.83*	
		For Class 55 Rating, Add	*177.43*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.10	218.70
		For Class 52 Rating, Deduct	*-119.98*	
		For Class 54 Rating, Add	*81.81*	
		For Class 55 Rating, Add	*181.83*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.20	221.15
		For Class 52 Rating, Deduct	*-122.88*	
		For Class 54 Rating, Add	*83.78*	
		For Class 55 Rating, Add	*186.22*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,482.29	223.60
		For Class 52 Rating, Deduct	*-125.79*	
		For Class 54 Rating, Add	*85.76*	
		For Class 55 Rating, Add	*190.62*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,512.38	226.06
		For Class 52 Rating, Deduct	*-128.69*	
		For Class 54 Rating, Add	*87.74*	
		For Class 55 Rating, Add	*195.02*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.48	228.50
		For Class 52 Rating, Deduct	*-131.59*	
		For Class 54 Rating, Add	*89.72*	
		For Class 55 Rating, Add	*199.42*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,572.57	230.96
		For Class 52 Rating, Deduct	*-134.49*	
		For Class 54 Rating, Add	*91.70*	
		For Class 55 Rating, Add	*203.81*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,602.67	233.41
		For Class 52 Rating, Deduct	*-137.39*	
		For Class 54 Rating, Add	*93.68*	
		For Class 55 Rating, Add	*208.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0043		6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	580.99	176.53
		For Class 52 Rating, Deduct	*-34.49*	
		For Class 54 Rating, Add	*23.51*	
		For Class 55 Rating, Add	*52.26*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	617.17	178.98
		For Class 52 Rating, Deduct	*-38.06*	
		For Class 54 Rating, Add	*25.95*	
		For Class 55 Rating, Add	*57.68*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	653.36	181.43
		For Class 52 Rating, Deduct	*-41.63*	
		For Class 54 Rating, Add	*28.38*	
		For Class 55 Rating, Add	*63.09*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	689.54	183.89
		For Class 52 Rating, Deduct	*-45.20*	
		For Class 54 Rating, Add	*30.82*	
		For Class 55 Rating, Add	*68.50*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	725.73	186.33
		For Class 52 Rating, Deduct	*-48.77*	
		For Class 54 Rating, Add	*33.26*	
		For Class 55 Rating, Add	*73.91*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	761.91	188.79
		For Class 52 Rating, Deduct	*-52.35*	
		For Class 54 Rating, Add	*35.69*	
		For Class 55 Rating, Add	*79.33*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	798.09	191.24
		For Class 52 Rating, Deduct	*-55.92*	
		For Class 54 Rating, Add	*38.12*	
		For Class 55 Rating, Add	*84.74*	
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.27	193.69
		For Class 52 Rating, Deduct	*-59.49*	
		For Class 54 Rating, Add	*40.56*	
		For Class 55 Rating, Add	*90.15*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.45	196.14
		For Class 52 Rating, Deduct	*-63.06*	
		For Class 54 Rating, Add	*43.00*	
		For Class 55 Rating, Add	*95.56*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	906.64	198.60
		For Class 52 Rating, Deduct	*-66.63*	
		For Class 54 Rating, Add	*45.43*	
		For Class 55 Rating, Add	*100.98*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	942.82	201.04
		For Class 52 Rating, Deduct	*-70.20*	
		For Class 54 Rating, Add	*47.87*	
		For Class 55 Rating, Add	*106.39*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.01	203.50
		For Class 52 Rating, Deduct	*-73.77*	
		For Class 54 Rating, Add	*50.30*	
		For Class 55 Rating, Add	*111.80*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.19	205.95
		For Class 52 Rating, Deduct	*-77.35*	
		For Class 54 Rating, Add	*52.74*	
		For Class 55 Rating, Add	*117.22*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,051.37	208.40
		For Class 52 Rating, Deduct	*-80.92*	
		For Class 54 Rating, Add	*55.17*	
		For Class 55 Rating, Add	*122.63*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,087.55	210.86
		For Class 52 Rating, Deduct	*-84.49*	
		For Class 54 Rating, Add	*57.61*	
		For Class 55 Rating, Add	*128.04*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.74	213.30
		For Class 52 Rating, Deduct	*-88.06*	
		For Class 54 Rating, Add	*60.04*	
		For Class 55 Rating, Add	*133.45*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,159.93	215.76
		For Class 52 Rating, Deduct	*-91.63*	
		For Class 54 Rating, Add	*62.48*	
		For Class 55 Rating, Add	*138.86*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,196.11	218.21
		For Class 52 Rating, Deduct	*-95.20*	
		For Class 54 Rating, Add	*64.91*	
		For Class 55 Rating, Add	*144.28*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,232.30	220.66
		For Class 52 Rating, Deduct	*-98.78*	
		For Class 54 Rating, Add	*67.35*	
		For Class 55 Rating, Add	*149.69*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,268.47	223.11
		For Class 52 Rating, Deduct	*-102.35*	
		For Class 54 Rating, Add	*69.78*	
		For Class 55 Rating, Add	*155.10*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,304.66	225.56
		For Class 52 Rating, Deduct	*-105.92*	
		For Class 54 Rating, Add	*72.22*	
		For Class 55 Rating, Add	*160.51*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.84	228.02
		For Class 52 Rating, Deduct	*-109.49*	
		For Class 54 Rating, Add	*74.65*	
		For Class 55 Rating, Add	*165.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,377.02	230.47
		For Class 52 Rating, Deduct	*-113.06*	
		For Class 54 Rating, Add	*77.09*	
		For Class 55 Rating, Add	*171.34*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,413.21	232.92
		For Class 52 Rating, Deduct	*-116.63*	
		For Class 54 Rating, Add	*79.52*	
		For Class 55 Rating, Add	*176.75*	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.39	235.37
		For Class 52 Rating, Deduct	*-120.20*	
		For Class 54 Rating, Add	*81.96*	
		For Class 55 Rating, Add	*182.16*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.58	237.83
		For Class 52 Rating, Deduct	*-123.78*	
		For Class 54 Rating, Add	*84.39*	
		For Class 55 Rating, Add	*187.58*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.75	240.27
		For Class 52 Rating, Deduct	*-127.35*	
		For Class 54 Rating, Add	*86.83*	
		For Class 55 Rating, Add	*192.99*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,557.94	242.73
		For Class 52 Rating, Deduct	*-130.92*	
		For Class 54 Rating, Add	*89.26*	
		For Class 55 Rating, Add	*198.40*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.12	245.17
		For Class 52 Rating, Deduct	*-134.49*	
		For Class 54 Rating, Add	*91.70*	
		For Class 55 Rating, Add	*203.81*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.30	247.63
		For Class 52 Rating, Deduct	*-138.06*	
		For Class 54 Rating, Add	*94.13*	
		For Class 55 Rating, Add	*209.23*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.49	250.09
		For Class 52 Rating, Deduct	*-141.63*	
		For Class 54 Rating, Add	*96.57*	
		For Class 55 Rating, Add	*214.64*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,702.67	252.53
		For Class 52 Rating, Deduct	*-145.21*	
		For Class 54 Rating, Add	*99.00*	
		For Class 55 Rating, Add	*220.05*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,738.86	254.99
		For Class 52 Rating, Deduct	*-148.78*	
		For Class 54 Rating, Add	*101.44*	
		For Class 55 Rating, Add	*225.47*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,775.03	257.44
		For Class 52 Rating, Deduct	*-152.35*	
		For Class 54 Rating, Add	*103.87*	
		For Class 55 Rating, Add	*230.88*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.22	259.89
		For Class 52 Rating, Deduct	*-155.92*	
		For Class 54 Rating, Add	*106.31*	
		For Class 55 Rating, Add	*236.29*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.41	262.34
		For Class 52 Rating, Deduct	*-159.49*	
		For Class 54 Rating, Add	*108.74*	
		For Class 55 Rating, Add	*241.70*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.59	264.79
		For Class 52 Rating, Deduct	*-163.06*	
		For Class 54 Rating, Add	*111.18*	
		For Class 55 Rating, Add	*247.11*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,919.78	267.24
		For Class 52 Rating, Deduct	*-166.63*	
		For Class 54 Rating, Add	*113.61*	
		For Class 55 Rating, Add	*252.53*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.96	269.70
		For Class 52 Rating, Deduct	*-170.21*	
		For Class 54 Rating, Add	*116.05*	
		For Class 55 Rating, Add	*257.94*	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	803.43	225.56
		For Class 52 Rating, Deduct	*-50.78*	
		For Class 54 Rating, Add	*34.62*	
		For Class 55 Rating, Add	*76.96*	
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	851.79	228.02
		For Class 52 Rating, Deduct	*-55.69*	
		For Class 54 Rating, Add	*37.97*	
		For Class 55 Rating, Add	*84.40*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.14	230.47
		For Class 52 Rating, Deduct	*-60.60*	
		For Class 54 Rating, Add	*41.32*	
		For Class 55 Rating, Add	*91.84*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	948.50	232.92
		For Class 52 Rating, Deduct	*-65.51*	
		For Class 54 Rating, Add	*44.67*	
		For Class 55 Rating, Add	*99.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	996.86	235.37
		For Class 52 Rating, Deduct	*-70.43*	
		For Class 54 Rating, Add	*48.02*	
		For Class 55 Rating, Add	*106.73*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.22	237.83
		For Class 52 Rating, Deduct	*-75.34*	
		For Class 54 Rating, Add	*51.37*	
		For Class 55 Rating, Add	*114.17*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,093.58	240.27
		For Class 52 Rating, Deduct	*-80.25*	
		For Class 54 Rating, Add	*54.71*	
		For Class 55 Rating, Add	*121.61*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,141.94	242.73
		For Class 52 Rating, Deduct	*-85.16*	
		For Class 54 Rating, Add	*58.06*	
		For Class 55 Rating, Add	*129.05*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.29	245.17
		For Class 52 Rating, Deduct	*-90.07*	
		For Class 54 Rating, Add	*61.41*	
		For Class 55 Rating, Add	*136.50*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.65	247.63
		For Class 52 Rating, Deduct	*-94.98*	
		For Class 54 Rating, Add	*64.76*	
		For Class 55 Rating, Add	*143.94*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,287.01	250.09
		For Class 52 Rating, Deduct	*-99.89*	
		For Class 54 Rating, Add	*68.11*	
		For Class 55 Rating, Add	*151.38*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,335.37	252.53
		For Class 52 Rating, Deduct	*-104.80*	
		For Class 54 Rating, Add	*71.46*	
		For Class 55 Rating, Add	*158.82*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.73	254.99
		For Class 52 Rating, Deduct	*-109.71*	
		For Class 54 Rating, Add	*74.80*	
		For Class 55 Rating, Add	*166.26*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,432.09	257.44
		For Class 52 Rating, Deduct	*-114.62*	
		For Class 54 Rating, Add	*78.15*	
		For Class 55 Rating, Add	*173.71*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,480.45	259.89
		For Class 52 Rating, Deduct	*-119.53*	
		For Class 54 Rating, Add	*81.50*	
		For Class 55 Rating, Add	*181.15*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,528.81	262.34
		For Class 52 Rating, Deduct	*-124.45*	
		For Class 54 Rating, Add	*84.85*	
		For Class 55 Rating, Add	*188.59*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,577.17	264.79
		For Class 52 Rating, Deduct	*-129.36*	
		For Class 54 Rating, Add	*88.20*	
		For Class 55 Rating, Add	*196.03*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,625.53	267.24
		For Class 52 Rating, Deduct	*-134.27*	
		For Class 54 Rating, Add	*91.55*	
		For Class 55 Rating, Add	*203.48*	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,673.89	269.70
		For Class 52 Rating, Deduct	*-139.18*	
		For Class 54 Rating, Add	*94.89*	
		For Class 55 Rating, Add	*210.92*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.25	272.15
		For Class 52 Rating, Deduct	*-144.09*	
		For Class 54 Rating, Add	*98.24*	
		For Class 55 Rating, Add	*218.36*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.60	274.60
		For Class 52 Rating, Deduct	*-149.00*	
		For Class 54 Rating, Add	*101.59*	
		For Class 55 Rating, Add	*225.80*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,818.97	277.05
		For Class 52 Rating, Deduct	*-153.91*	
		For Class 54 Rating, Add	*104.94*	
		For Class 55 Rating, Add	*233.24*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,867.32	279.50
		For Class 52 Rating, Deduct	*-158.82*	
		For Class 54 Rating, Add	*108.29*	
		For Class 55 Rating, Add	*240.69*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,915.68	281.96
		For Class 52 Rating, Deduct	*-163.73*	
		For Class 54 Rating, Add	*111.64*	
		For Class 55 Rating, Add	*248.13*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.04	284.40
		For Class 52 Rating, Deduct	*-168.64*	
		For Class 54 Rating, Add	*114.98*	
		For Class 55 Rating, Add	*255.57*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.40	286.86
		For Class 52 Rating, Deduct	*-173.55*	
		For Class 54 Rating, Add	*118.33*	
		For Class 55 Rating, Add	*263.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,060.76	289.31
		For Class 52 Rating, Deduct	*-178.47*	
		For Class 54 Rating, Add	*121.68*	
		For Class 55 Rating, Add	*270.46*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,109.11	291.76
		For Class 52 Rating, Deduct	*-183.38*	
		For Class 54 Rating, Add	*125.03*	
		For Class 55 Rating, Add	*277.90*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,157.48	294.22
		For Class 52 Rating, Deduct	*-188.29*	
		For Class 54 Rating, Add	*128.38*	
		For Class 55 Rating, Add	*285.34*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.83	296.66
		For Class 52 Rating, Deduct	*-193.20*	
		For Class 54 Rating, Add	*131.73*	
		For Class 55 Rating, Add	*292.78*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,254.19	299.12
		For Class 52 Rating, Deduct	*-198.11*	
		For Class 54 Rating, Add	*135.07*	
		For Class 55 Rating, Add	*300.23*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,302.55	301.57
		For Class 52 Rating, Deduct	*-203.02*	
		For Class 54 Rating, Add	*138.42*	
		For Class 55 Rating, Add	*307.67*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,350.90	304.02
		For Class 52 Rating, Deduct	*-207.93*	
		For Class 54 Rating, Add	*141.77*	
		For Class 55 Rating, Add	*315.11*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.27	306.47
		For Class 52 Rating, Deduct	*-212.84*	
		For Class 54 Rating, Add	*145.12*	
		For Class 55 Rating, Add	*322.55*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,447.63	308.93
		For Class 52 Rating, Deduct	*-217.75*	
		For Class 54 Rating, Add	*148.47*	
		For Class 55 Rating, Add	*329.99*	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,496.00	311.37
		For Class 52 Rating, Deduct	*-222.66*	
		For Class 54 Rating, Add	*151.82*	
		For Class 55 Rating, Add	*337.44*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,544.35	313.83
		For Class 52 Rating, Deduct	*-227.57*	
		For Class 54 Rating, Add	*155.16*	
		For Class 55 Rating, Add	*344.88*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.71	316.27
		For Class 52 Rating, Deduct	*-232.49*	
		For Class 54 Rating, Add	*158.51*	
		For Class 55 Rating, Add	*352.32*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.07	318.73
		For Class 52 Rating, Deduct	*-237.40*	
		For Class 54 Rating, Add	*161.86*	
		For Class 55 Rating, Add	*359.76*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,008.61	274.60
		For Class 52 Rating, Deduct	*-65.18*	
		For Class 54 Rating, Add	*44.44*	
		For Class 55 Rating, Add	*98.78*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.18	277.05
		For Class 52 Rating, Deduct	*-71.65*	
		For Class 54 Rating, Add	*48.86*	
		For Class 55 Rating, Add	*108.59*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,133.74	279.50
		For Class 52 Rating, Deduct	*-78.13*	
		For Class 54 Rating, Add	*53.27*	
		For Class 55 Rating, Add	*118.40*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,196.30	281.96
		For Class 52 Rating, Deduct	*-84.60*	
		For Class 54 Rating, Add	*57.68*	
		For Class 55 Rating, Add	*128.21*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,258.87	284.40
		For Class 52 Rating, Deduct	*-91.07*	
		For Class 54 Rating, Add	*62.10*	
		For Class 55 Rating, Add	*138.02*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,321.43	286.86
		For Class 52 Rating, Deduct	*-97.55*	
		For Class 54 Rating, Add	*66.51*	
		For Class 55 Rating, Add	*147.83*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.99	289.31
		For Class 52 Rating, Deduct	*-104.02*	
		For Class 54 Rating, Add	*70.92*	
		For Class 55 Rating, Add	*157.64*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.55	291.76
		For Class 52 Rating, Deduct	*-110.49*	
		For Class 54 Rating, Add	*75.34*	
		For Class 55 Rating, Add	*167.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,509.12	294.22
		For Class 52 Rating, Deduct	*-116.97*	
		For Class 54 Rating, Add	*79.75*	
		For Class 55 Rating, Add	*177.26*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,571.68	296.66
		For Class 52 Rating, Deduct	*-123.44*	
		For Class 54 Rating, Add	*84.16*	
		For Class 55 Rating, Add	*187.07*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,634.24	299.12
		For Class 52 Rating, Deduct	*-129.91*	
		For Class 54 Rating, Add	*88.58*	
		For Class 55 Rating, Add	*196.88*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,696.81	301.57
		For Class 52 Rating, Deduct	*-136.39*	
		For Class 54 Rating, Add	*92.99*	
		For Class 55 Rating, Add	*206.69*	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,759.37	304.02
		For Class 52 Rating, Deduct	*-142.86*	
		For Class 54 Rating, Add	*97.41*	
		For Class 55 Rating, Add	*216.50*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,821.94	306.47
		For Class 52 Rating, Deduct	*-149.33*	
		For Class 54 Rating, Add	*101.82*	
		For Class 55 Rating, Add	*226.31*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.51	308.93
		For Class 52 Rating, Deduct	*-155.81*	
		For Class 54 Rating, Add	*106.23*	
		For Class 55 Rating, Add	*236.12*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.08	311.37
		For Class 52 Rating, Deduct	*-162.28*	
		For Class 54 Rating, Add	*110.65*	
		For Class 55 Rating, Add	*245.93*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,009.64	313.83
		For Class 52 Rating, Deduct	*-168.76*	
		For Class 54 Rating, Add	*115.06*	
		For Class 55 Rating, Add	*255.74*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.19	316.27
		For Class 52 Rating, Deduct	*-175.23*	
		For Class 54 Rating, Add	*119.47*	
		For Class 55 Rating, Add	*265.55*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,134.76	318.73
		For Class 52 Rating, Deduct	*-181.70*	
		For Class 54 Rating, Add	*123.89*	
		For Class 55 Rating, Add	*275.36*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.32	321.19
		For Class 52 Rating, Deduct	*-188.17*	
		For Class 54 Rating, Add	*128.30*	
		For Class 55 Rating, Add	*285.17*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,259.89	323.63
		For Class 52 Rating, Deduct	*-194.65*	
		For Class 54 Rating, Add	*132.71*	
		For Class 55 Rating, Add	*294.98*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,322.45	326.09
		For Class 52 Rating, Deduct	*-201.12*	
		For Class 54 Rating, Add	*137.13*	
		For Class 55 Rating, Add	*304.79*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.02	328.54
		For Class 52 Rating, Deduct	*-207.60*	
		For Class 54 Rating, Add	*141.54*	
		For Class 55 Rating, Add	*314.60*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,447.58	330.99
		For Class 52 Rating, Deduct	*-214.07*	
		For Class 54 Rating, Add	*145.96*	
		For Class 55 Rating, Add	*324.41*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,510.14	333.44
		For Class 52 Rating, Deduct	*-220.54*	
		For Class 54 Rating, Add	*150.37*	
		For Class 55 Rating, Add	*334.22*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.71	335.89
		For Class 52 Rating, Deduct	*-227.02*	
		For Class 54 Rating, Add	*154.78*	
		For Class 55 Rating, Add	*344.03*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,635.27	338.34
		For Class 52 Rating, Deduct	*-233.49*	
		For Class 54 Rating, Add	*159.20*	
		For Class 55 Rating, Add	*353.84*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,697.84	340.80
		For Class 52 Rating, Deduct	*-239.96*	
		For Class 54 Rating, Add	*163.61*	
		For Class 55 Rating, Add	*363.65*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,760.40	343.25
		For Class 52 Rating, Deduct	*-246.44*	
		For Class 54 Rating, Add	*168.02*	
		For Class 55 Rating, Add	*373.46*	
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.96	345.70
		For Class 52 Rating, Deduct	*-252.91*	
		For Class 54 Rating, Add	*172.44*	
		For Class 55 Rating, Add	*383.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,885.52	348.16
		For Class 52 Rating, Deduct	*-259.38*	
		For Class 54 Rating, Add	*176.85*	
		For Class 55 Rating, Add	*393.08*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,947.07	350.60
		For Class 52 Rating, Deduct	*-265.74*	
		For Class 54 Rating, Add	*181.19*	
		For Class 55 Rating, Add	*402.72*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,010.65	353.06
		For Class 52 Rating, Deduct	*-272.33*	
		For Class 54 Rating, Add	*185.68*	
		For Class 55 Rating, Add	*412.70*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.22	355.50
		For Class 52 Rating, Deduct	*-278.80*	
		For Class 54 Rating, Add	*190.09*	
		For Class 55 Rating, Add	*422.51*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.79	357.96
		For Class 52 Rating, Deduct	*-285.28*	
		For Class 54 Rating, Add	*194.51*	
		For Class 55 Rating, Add	*432.32*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.35	360.41
		For Class 52 Rating, Deduct	*-291.75*	
		For Class 54 Rating, Add	*198.92*	
		For Class 55 Rating, Add	*442.13*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,260.92	362.86
		For Class 52 Rating, Deduct	*-298.22*	
		For Class 54 Rating, Add	*203.33*	
		For Class 55 Rating, Add	*451.94*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,323.48	365.32
		For Class 52 Rating, Deduct	*-304.70*	
		For Class 54 Rating, Add	*207.75*	
		For Class 55 Rating, Add	*461.75*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,386.04	367.77
		For Class 52 Rating, Deduct	*-311.17*	
		For Class 54 Rating, Add	*212.16*	
		For Class 55 Rating, Add	*471.56*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,313.52	343.25
		For Class 52 Rating, Deduct	*-87.28*	
		For Class 54 Rating, Add	*59.51*	
		For Class 55 Rating, Add	*132.27*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,391.31	345.70
		For Class 52 Rating, Deduct	*-95.43*	
		For Class 54 Rating, Add	*65.06*	
		For Class 55 Rating, Add	*144.62*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.09	348.16
		For Class 52 Rating, Deduct	*-103.57*	
		For Class 54 Rating, Add	*70.62*	
		For Class 55 Rating, Add	*156.96*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,546.86	350.60
		For Class 52 Rating, Deduct	*-111.72*	
		For Class 54 Rating, Add	*76.17*	
		For Class 55 Rating, Add	*169.31*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,624.65	353.06
		For Class 52 Rating, Deduct	*-119.87*	
		For Class 54 Rating, Add	*81.73*	
		For Class 55 Rating, Add	*181.66*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,702.44	355.50
		For Class 52 Rating, Deduct	*-128.02*	
		For Class 54 Rating, Add	*87.28*	
		For Class 55 Rating, Add	*194.00*	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,780.23	357.96
		For Class 52 Rating, Deduct	*-136.16*	
		For Class 54 Rating, Add	*92.84*	
		For Class 55 Rating, Add	*206.35*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,858.01	360.41
		For Class 52 Rating, Deduct	*-144.31*	
		For Class 54 Rating, Add	*98.39*	
		For Class 55 Rating, Add	*218.70*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,935.80	362.86
		For Class 52 Rating, Deduct	*-152.46*	
		For Class 54 Rating, Add	*103.95*	
		For Class 55 Rating, Add	*231.05*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,013.58	365.32
		For Class 52 Rating, Deduct	*-160.61*	
		For Class 54 Rating, Add	*109.51*	
		For Class 55 Rating, Add	*243.39*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,091.36	367.77
		For Class 52 Rating, Deduct	*-168.76*	
		For Class 54 Rating, Add	*115.06*	
		For Class 55 Rating, Add	*255.74*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,169.14	370.22
		For Class 52 Rating, Deduct	*-176.90*	
		For Class 54 Rating, Add	*120.62*	
		For Class 55 Rating, Add	*268.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,246.92	372.67
		For Class 52 Rating, Deduct	*-185.05*	
		For Class 54 Rating, Add	*126.17*	
		For Class 55 Rating, Add	*280.43*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.71	375.12
		For Class 52 Rating, Deduct	*-193.20*	
		For Class 54 Rating, Add	*131.73*	
		For Class 55 Rating, Add	*292.78*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.49	377.57
		For Class 52 Rating, Deduct	*-201.35*	
		For Class 54 Rating, Add	*137.28*	
		For Class 55 Rating, Add	*305.13*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.28	380.03
		For Class 52 Rating, Deduct	*-209.49*	
		For Class 54 Rating, Add	*142.84*	
		For Class 55 Rating, Add	*317.48*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,558.06	382.47
		For Class 52 Rating, Deduct	*-217.64*	
		For Class 54 Rating, Add	*148.39*	
		For Class 55 Rating, Add	*329.82*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,635.85	384.93
		For Class 52 Rating, Deduct	*-225.79*	
		For Class 54 Rating, Add	*153.95*	
		For Class 55 Rating, Add	*342.17*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,713.63	387.39
		For Class 52 Rating, Deduct	*-233.94*	
		For Class 54 Rating, Add	*159.50*	
		For Class 55 Rating, Add	*354.52*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,791.40	389.83
		For Class 52 Rating, Deduct	*-242.08*	
		For Class 54 Rating, Add	*165.06*	
		For Class 55 Rating, Add	*366.87*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,869.19	392.29
		For Class 52 Rating, Deduct	*-250.23*	
		For Class 54 Rating, Add	*170.61*	
		For Class 55 Rating, Add	*379.21*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.97	394.73
		For Class 52 Rating, Deduct	*-258.38*	
		For Class 54 Rating, Add	*176.17*	
		For Class 55 Rating, Add	*391.56*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,024.76	397.19
		For Class 52 Rating, Deduct	*-266.53*	
		For Class 54 Rating, Add	*181.72*	
		For Class 55 Rating, Add	*403.91*	
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,102.54	399.64
		For Class 52 Rating, Deduct	*-274.67*	
		For Class 54 Rating, Add	*187.28*	
		For Class 55 Rating, Add	*416.25*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.33	402.09
		For Class 52 Rating, Deduct	*-282.82*	
		For Class 54 Rating, Add	*192.83*	
		For Class 55 Rating, Add	*428.60*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,258.12	404.54
		For Class 52 Rating, Deduct	*-290.97*	
		For Class 54 Rating, Add	*198.39*	
		For Class 55 Rating, Add	*440.95*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,335.90	407.00
		For Class 52 Rating, Deduct	*-299.12*	
		For Class 54 Rating, Add	*203.94*	
		For Class 55 Rating, Add	*453.30*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,413.68	409.45
		For Class 52 Rating, Deduct	*-307.26*	
		For Class 54 Rating, Add	*209.50*	
		For Class 55 Rating, Add	*465.64*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,491.46	411.90
		For Class 52 Rating, Deduct	*-315.41*	
		For Class 54 Rating, Add	*215.05*	
		For Class 55 Rating, Add	*477.99*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,569.25	414.35
		For Class 52 Rating, Deduct	*-323.56*	
		For Class 54 Rating, Add	*220.61*	
		For Class 55 Rating, Add	*490.34*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,647.03	416.80
		For Class 52 Rating, Deduct	*-331.71*	
		For Class 54 Rating, Add	*226.16*	
		For Class 55 Rating, Add	*502.69*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,724.82	419.26
		For Class 52 Rating, Deduct	*-339.85*	
		For Class 54 Rating, Add	*231.72*	
		For Class 55 Rating, Add	*515.03*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.60	421.70
		For Class 52 Rating, Deduct	*-348.00*	
		For Class 54 Rating, Add	*237.27*	
		For Class 55 Rating, Add	*527.38*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,880.38	424.16
		For Class 52 Rating, Deduct	*-356.15*	
		For Class 54 Rating, Add	*242.83*	
		For Class 55 Rating, Add	*539.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,958.16	426.61
		For Class 52 Rating, Deduct	*-364.30*	
		For Class 54 Rating, Add	*248.38*	
		For Class 55 Rating, Add	*552.07*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,035.94	429.06
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*253.94*	
		For Class 55 Rating, Add	*564.42*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,113.73	431.52
		For Class 52 Rating, Deduct	*-380.59*	
		For Class 54 Rating, Add	*259.49*	
		For Class 55 Rating, Add	*576.77*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,191.51	433.96
		For Class 52 Rating, Deduct	*-388.74*	
		For Class 54 Rating, Add	*265.05*	
		For Class 55 Rating, Add	*589.12*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,269.30	436.42
		For Class 52 Rating, Deduct	*-396.89*	
		For Class 54 Rating, Add	*270.60*	
		For Class 55 Rating, Add	*601.46*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,735.12	411.90
		For Class 52 Rating, Deduct	*-122.21*	
		For Class 54 Rating, Add	*83.33*	
		For Class 55 Rating, Add	*185.21*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.14	414.35
		For Class 52 Rating, Deduct	*-132.15*	
		For Class 54 Rating, Add	*90.10*	
		For Class 55 Rating, Add	*200.26*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,923.16	416.80
		For Class 52 Rating, Deduct	*-142.08*	
		For Class 54 Rating, Add	*96.87*	
		For Class 55 Rating, Add	*215.32*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.18	419.26
		For Class 52 Rating, Deduct	*-152.01*	
		For Class 54 Rating, Add	*103.65*	
		For Class 55 Rating, Add	*230.37*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.19	421.70
		For Class 52 Rating, Deduct	*-161.95*	
		For Class 54 Rating, Add	*110.42*	
		For Class 55 Rating, Add	*245.42*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.21	424.16
		For Class 52 Rating, Deduct	*-171.88*	
		For Class 54 Rating, Add	*117.19*	
		For Class 55 Rating, Add	*260.48*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.23	426.61
		For Class 52 Rating, Deduct	*-181.81*	
		For Class 54 Rating, Add	*123.96*	
		For Class 55 Rating, Add	*275.53*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,393.24	429.06
		For Class 52 Rating, Deduct	*-191.75*	
		For Class 54 Rating, Add	*130.74*	
		For Class 55 Rating, Add	*290.58*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,487.26	431.52
		For Class 52 Rating, Deduct	*-201.68*	
		For Class 54 Rating, Add	*137.51*	
		For Class 55 Rating, Add	*305.64*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,581.28	433.96
		For Class 52 Rating, Deduct	*-211.61*	
		For Class 54 Rating, Add	*144.28*	
		For Class 55 Rating, Add	*320.69*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,675.30	436.42
		For Class 52 Rating, Deduct	*-221.55*	
		For Class 54 Rating, Add	*151.05*	
		For Class 55 Rating, Add	*335.74*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,769.31	438.87
		For Class 52 Rating, Deduct	*-231.48*	
		For Class 54 Rating, Add	*157.83*	
		For Class 55 Rating, Add	*350.80*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.33	441.32
		For Class 52 Rating, Deduct	*-241.41*	
		For Class 54 Rating, Add	*164.60*	
		For Class 55 Rating, Add	*365.85*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,957.35	443.77
		For Class 52 Rating, Deduct	*-251.35*	
		For Class 54 Rating, Add	*171.37*	
		For Class 55 Rating, Add	*380.90*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,051.36	446.23
		For Class 52 Rating, Deduct	*-261.28*	
		For Class 54 Rating, Add	*178.15*	
		For Class 55 Rating, Add	*395.96*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.39	448.67
		For Class 52 Rating, Deduct	*-271.21*	
		For Class 54 Rating, Add	*184.92*	
		For Class 55 Rating, Add	*411.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,239.41	451.13
		For Class 52 Rating, Deduct	*-281.15*	
		For Class 54 Rating, Add	*191.69*	
		For Class 55 Rating, Add	*426.07*	
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,333.43	453.58
		For Class 52 Rating, Deduct	*-291.08*	
		For Class 54 Rating, Add	*198.46*	
		For Class 55 Rating, Add	*441.12*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,427.44	456.03
		For Class 52 Rating, Deduct	*-301.01*	
		For Class 54 Rating, Add	*205.24*	
		For Class 55 Rating, Add	*456.17*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,521.46	458.49
		For Class 52 Rating, Deduct	*-310.95*	
		For Class 54 Rating, Add	*212.01*	
		For Class 55 Rating, Add	*471.23*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.48	460.93
		For Class 52 Rating, Deduct	*-320.88*	
		For Class 54 Rating, Add	*218.78*	
		For Class 55 Rating, Add	*486.28*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,709.49	463.39
		For Class 52 Rating, Deduct	*-330.81*	
		For Class 54 Rating, Add	*225.55*	
		For Class 55 Rating, Add	*501.33*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,803.52	465.84
		For Class 52 Rating, Deduct	*-340.75*	
		For Class 54 Rating, Add	*232.33*	
		For Class 55 Rating, Add	*516.39*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,897.53	468.29
		For Class 52 Rating, Deduct	*-350.68*	
		For Class 54 Rating, Add	*239.10*	
		For Class 55 Rating, Add	*531.44*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,991.55	470.74
		For Class 52 Rating, Deduct	*-360.61*	
		For Class 54 Rating, Add	*245.87*	
		For Class 55 Rating, Add	*546.49*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,085.56	473.19
		For Class 52 Rating, Deduct	*-370.55*	
		For Class 54 Rating, Add	*252.65*	
		For Class 55 Rating, Add	*561.55*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,179.58	475.65
		For Class 52 Rating, Deduct	*-380.48*	
		For Class 54 Rating, Add	*259.42*	
		For Class 55 Rating, Add	*576.60*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,273.60	478.10
		For Class 52 Rating, Deduct	*-390.41*	
		For Class 54 Rating, Add	*266.19*	
		For Class 55 Rating, Add	*591.65*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,367.61	480.55
		For Class 52 Rating, Deduct	*-400.35*	
		For Class 54 Rating, Add	*272.96*	
		For Class 55 Rating, Add	*606.71*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,461.64	483.00
		For Class 52 Rating, Deduct	*-410.28*	
		For Class 54 Rating, Add	*279.74*	
		For Class 55 Rating, Add	*621.76*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,555.65	485.46
		For Class 52 Rating, Deduct	*-420.21*	
		For Class 54 Rating, Add	*286.51*	
		For Class 55 Rating, Add	*636.81*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,649.67	487.90
		For Class 52 Rating, Deduct	*-430.15*	
		For Class 54 Rating, Add	*293.28*	
		For Class 55 Rating, Add	*651.87*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,743.69	490.36
		For Class 52 Rating, Deduct	*-440.08*	
		For Class 54 Rating, Add	*300.05*	
		For Class 55 Rating, Add	*666.92*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,837.70	492.80
		For Class 52 Rating, Deduct	*-450.01*	
		For Class 54 Rating, Add	*306.83*	
		For Class 55 Rating, Add	*681.97*	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,931.72	495.26
		For Class 52 Rating, Deduct	*-459.95*	
		For Class 54 Rating, Add	*313.60*	
		For Class 55 Rating, Add	*697.03*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,025.74	497.72
		For Class 52 Rating, Deduct	*-469.88*	
		For Class 54 Rating, Add	*320.37*	
		For Class 55 Rating, Add	*712.08*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,119.77	500.16
		For Class 52 Rating, Deduct	*-479.81*	
		For Class 54 Rating, Add	*327.15*	
		For Class 55 Rating, Add	*727.14*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,213.78	502.62
		For Class 52 Rating, Deduct	*-489.75*	
		For Class 54 Rating, Add	*333.92*	
		For Class 55 Rating, Add	*742.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0242		16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,030.25	470.74
		For Class 52 Rating, Deduct	*-144.87*	
		For Class 54 Rating, Add	*98.78*	
		For Class 55 Rating, Add	*219.54*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.49	473.19
		For Class 52 Rating, Deduct	*-156.48*	
		For Class 54 Rating, Add	*106.69*	
		For Class 55 Rating, Add	*237.14*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,248.72	475.65
		For Class 52 Rating, Deduct	*-168.09*	
		For Class 54 Rating, Add	*114.60*	
		For Class 55 Rating, Add	*254.73*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,357.96	478.10
		For Class 52 Rating, Deduct	*-179.69*	
		For Class 54 Rating, Add	*122.52*	
		For Class 55 Rating, Add	*272.32*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.19	480.55
		For Class 52 Rating, Deduct	*-191.30*	
		For Class 54 Rating, Add	*130.43*	
		For Class 55 Rating, Add	*289.91*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.44	483.00
		For Class 52 Rating, Deduct	*-202.91*	
		For Class 54 Rating, Add	*138.35*	
		For Class 55 Rating, Add	*307.50*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,685.67	485.46
		For Class 52 Rating, Deduct	*-214.52*	
		For Class 54 Rating, Add	*146.26*	
		For Class 55 Rating, Add	*325.09*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,794.91	487.90
		For Class 52 Rating, Deduct	*-226.12*	
		For Class 54 Rating, Add	*154.17*	
		For Class 55 Rating, Add	*342.68*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,904.14	490.36
		For Class 52 Rating, Deduct	*-237.73*	
		For Class 54 Rating, Add	*162.09*	
		For Class 55 Rating, Add	*360.27*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,013.38	492.80
		For Class 52 Rating, Deduct	*-249.34*	
		For Class 54 Rating, Add	*170.00*	
		For Class 55 Rating, Add	*377.86*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.62	495.26
		For Class 52 Rating, Deduct	*-260.95*	
		For Class 54 Rating, Add	*177.92*	
		For Class 55 Rating, Add	*395.45*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,231.86	497.72
		For Class 52 Rating, Deduct	*-272.55*	
		For Class 54 Rating, Add	*185.83*	
		For Class 55 Rating, Add	*413.04*	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,341.10	500.16
		For Class 52 Rating, Deduct	*-284.16*	
		For Class 54 Rating, Add	*193.75*	
		For Class 55 Rating, Add	*430.63*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,450.34	502.62
		For Class 52 Rating, Deduct	*-295.77*	
		For Class 54 Rating, Add	*201.66*	
		For Class 55 Rating, Add	*448.22*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,559.58	505.06
		For Class 52 Rating, Deduct	*-307.38*	
		For Class 54 Rating, Add	*209.57*	
		For Class 55 Rating, Add	*465.81*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,668.81	507.52
		For Class 52 Rating, Deduct	*-318.98*	
		For Class 54 Rating, Add	*217.49*	
		For Class 55 Rating, Add	*483.40*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,778.04	509.97
		For Class 52 Rating, Deduct	*-330.59*	
		For Class 54 Rating, Add	*225.40*	
		For Class 55 Rating, Add	*500.99*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,887.29	512.42
		For Class 52 Rating, Deduct	*-342.20*	
		For Class 54 Rating, Add	*233.32*	
		For Class 55 Rating, Add	*518.59*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.52	514.87
		For Class 52 Rating, Deduct	*-353.81*	
		For Class 54 Rating, Add	*241.23*	
		For Class 55 Rating, Add	*536.18*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,105.76	517.33
		For Class 52 Rating, Deduct	*-365.41*	
		For Class 54 Rating, Add	*249.14*	
		For Class 55 Rating, Add	*553.77*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,214.99	519.77
		For Class 52 Rating, Deduct	*-377.02*	
		For Class 54 Rating, Add	*257.06*	
		For Class 55 Rating, Add	*571.36*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,324.24	522.23
		For Class 52 Rating, Deduct	*-388.63*	
		For Class 54 Rating, Add	*264.97*	
		For Class 55 Rating, Add	*588.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,433.47	524.68
		For Class 52 Rating, Deduct	*-400.24*	
		For Class 54 Rating, Add	*272.89*	
		For Class 55 Rating, Add	*606.54*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,542.70	527.13
		For Class 52 Rating, Deduct	*-411.84*	
		For Class 54 Rating, Add	*280.80*	
		For Class 55 Rating, Add	*624.13*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,651.94	529.59
		For Class 52 Rating, Deduct	*-423.45*	
		For Class 54 Rating, Add	*288.72*	
		For Class 55 Rating, Add	*641.72*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,761.18	532.03
		For Class 52 Rating, Deduct	*-435.06*	
		For Class 54 Rating, Add	*296.63*	
		For Class 55 Rating, Add	*659.31*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,870.42	534.49
		For Class 52 Rating, Deduct	*-446.66*	
		For Class 54 Rating, Add	*304.54*	
		For Class 55 Rating, Add	*676.90*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,979.65	536.94
		For Class 52 Rating, Deduct	*-458.27*	
		For Class 54 Rating, Add	*312.46*	
		For Class 55 Rating, Add	*694.49*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,088.89	539.39
		For Class 52 Rating, Deduct	*-469.88*	
		For Class 54 Rating, Add	*320.37*	
		For Class 55 Rating, Add	*712.08*	
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,198.13	541.84
		For Class 52 Rating, Deduct	*-481.49*	
		For Class 54 Rating, Add	*328.29*	
		For Class 55 Rating, Add	*729.67*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,307.37	544.29
		For Class 52 Rating, Deduct	*-493.09*	
		For Class 54 Rating, Add	*336.20*	
		For Class 55 Rating, Add	*747.26*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,416.61	546.75
		For Class 52 Rating, Deduct	*-504.70*	
		For Class 54 Rating, Add	*344.12*	
		For Class 55 Rating, Add	*764.85*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,525.84	549.20
		For Class 52 Rating, Deduct	*-516.31*	
		For Class 54 Rating, Add	*352.03*	
		For Class 55 Rating, Add	*782.44*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,635.09	551.65
		For Class 52 Rating, Deduct	*-527.92*	
		For Class 54 Rating, Add	*359.94*	
		For Class 55 Rating, Add	*800.03*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,744.32	554.10
		For Class 52 Rating, Deduct	*-539.52*	
		For Class 54 Rating, Add	*367.86*	
		For Class 55 Rating, Add	*817.63*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,853.56	556.56
		For Class 52 Rating, Deduct	*-551.13*	
		For Class 54 Rating, Add	*375.77*	
		For Class 55 Rating, Add	*835.22*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,962.79	559.00
		For Class 52 Rating, Deduct	*-562.74*	
		For Class 54 Rating, Add	*383.69*	
		For Class 55 Rating, Add	*852.81*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,072.03	561.46
		For Class 52 Rating, Deduct	*-574.35*	
		For Class 54 Rating, Add	*391.60*	
		For Class 55 Rating, Add	*870.40*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.29	530.57
		For Class 52 Rating, Deduct	*-170.76*	
		For Class 54 Rating, Add	*116.43*	
		For Class 55 Rating, Add	*258.79*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,481.76	533.02
		For Class 52 Rating, Deduct	*-184.16*	
		For Class 54 Rating, Add	*125.56*	
		For Class 55 Rating, Add	*279.08*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.23	535.47
		For Class 52 Rating, Deduct	*-197.55*	
		For Class 54 Rating, Add	*134.69*	
		For Class 55 Rating, Add	*299.38*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,732.70	537.92
		For Class 52 Rating, Deduct	*-210.94*	
		For Class 54 Rating, Add	*143.83*	
		For Class 55 Rating, Add	*319.68*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,858.17	540.37
		For Class 52 Rating, Deduct	*-224.34*	
		For Class 54 Rating, Add	*152.96*	
		For Class 55 Rating, Add	*339.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,983.64	542.82
		For Class 52 Rating, Deduct	*-237.73*	
		For Class 54 Rating, Add	*162.09*	
		For Class 55 Rating, Add	*360.27*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,109.11	545.28
		For Class 52 Rating, Deduct	*-251.12*	
		For Class 54 Rating, Add	*171.22*	
		For Class 55 Rating, Add	*380.57*	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,234.59	547.72
		For Class 52 Rating, Deduct	*-264.52*	
		For Class 54 Rating, Add	*180.35*	
		For Class 55 Rating, Add	*400.86*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,360.05	550.18
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*189.48*	
		For Class 55 Rating, Add	*421.16*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.53	552.64
		For Class 52 Rating, Deduct	*-291.30*	
		For Class 54 Rating, Add	*198.62*	
		For Class 55 Rating, Add	*441.46*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,611.01	555.08
		For Class 52 Rating, Deduct	*-304.70*	
		For Class 54 Rating, Add	*207.75*	
		For Class 55 Rating, Add	*461.75*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,736.47	557.54
		For Class 52 Rating, Deduct	*-318.09*	
		For Class 54 Rating, Add	*216.88*	
		For Class 55 Rating, Add	*482.05*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,861.95	559.98
		For Class 52 Rating, Deduct	*-331.48*	
		For Class 54 Rating, Add	*226.01*	
		For Class 55 Rating, Add	*502.35*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,987.42	562.44
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*235.14*	
		For Class 55 Rating, Add	*522.64*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,112.89	564.89
		For Class 52 Rating, Deduct	*-358.27*	
		For Class 54 Rating, Add	*244.27*	
		For Class 55 Rating, Add	*542.94*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,238.36	567.34
		For Class 52 Rating, Deduct	*-371.66*	
		For Class 54 Rating, Add	*253.41*	
		For Class 55 Rating, Add	*563.24*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,363.84	569.79
		For Class 52 Rating, Deduct	*-385.06*	
		For Class 54 Rating, Add	*262.54*	
		For Class 55 Rating, Add	*583.54*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,489.30	572.25
		For Class 52 Rating, Deduct	*-398.45*	
		For Class 54 Rating, Add	*271.67*	
		For Class 55 Rating, Add	*603.83*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,614.77	574.70
		For Class 52 Rating, Deduct	*-411.84*	
		For Class 54 Rating, Add	*280.80*	
		For Class 55 Rating, Add	*624.13*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,740.25	577.15
		For Class 52 Rating, Deduct	*-425.24*	
		For Class 54 Rating, Add	*289.93*	
		For Class 55 Rating, Add	*644.43*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,865.72	579.60
		For Class 52 Rating, Deduct	*-438.63*	
		For Class 54 Rating, Add	*299.07*	
		For Class 55 Rating, Add	*664.72*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,991.19	582.05
		For Class 52 Rating, Deduct	*-452.02*	
		For Class 54 Rating, Add	*308.20*	
		For Class 55 Rating, Add	*685.02*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,116.66	584.51
		For Class 52 Rating, Deduct	*-465.42*	
		For Class 54 Rating, Add	*317.33*	
		For Class 55 Rating, Add	*705.32*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,242.14	586.95
		For Class 52 Rating, Deduct	*-478.81*	
		For Class 54 Rating, Add	*326.46*	
		For Class 55 Rating, Add	*725.61*	
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,367.60	589.41
		For Class 52 Rating, Deduct	*-492.20*	
		For Class 54 Rating, Add	*335.59*	
		For Class 55 Rating, Add	*745.91*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,493.07	591.86
		For Class 52 Rating, Deduct	*-505.60*	
		For Class 54 Rating, Add	*344.72*	
		For Class 55 Rating, Add	*766.21*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,618.55	594.31
		For Class 52 Rating, Deduct	*-518.99*	
		For Class 54 Rating, Add	*353.86*	
		For Class 55 Rating, Add	*786.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,744.01	596.76
		For Class 52 Rating, Deduct	*-532.38*	
		For Class 54 Rating, Add	*362.99*	
		For Class 55 Rating, Add	*806.80*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,869.49	599.21
		For Class 52 Rating, Deduct	*-545.77*	
		For Class 54 Rating, Add	*372.12*	
		For Class 55 Rating, Add	*827.10*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,994.97	601.67
		For Class 52 Rating, Deduct	*-559.17*	
		For Class 54 Rating, Add	*381.25*	
		For Class 55 Rating, Add	*847.39*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,120.44	604.12
		For Class 52 Rating, Deduct	*-572.56*	
		For Class 54 Rating, Add	*390.38*	
		For Class 55 Rating, Add	*867.69*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,245.91	606.57
		For Class 52 Rating, Deduct	*-585.95*	
		For Class 54 Rating, Add	*399.51*	
		For Class 55 Rating, Add	*887.99*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,371.38	609.02
		For Class 52 Rating, Deduct	*-599.35*	
		For Class 54 Rating, Add	*408.65*	
		For Class 55 Rating, Add	*908.28*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,496.85	611.48
		For Class 52 Rating, Deduct	*-612.74*	
		For Class 54 Rating, Add	*417.78*	
		For Class 55 Rating, Add	*928.58*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,622.32	613.92
		For Class 52 Rating, Deduct	*-626.13*	
		For Class 54 Rating, Add	*426.91*	
		For Class 55 Rating, Add	*948.88*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,747.80	616.38
		For Class 52 Rating, Deduct	*-639.53*	
		For Class 54 Rating, Add	*436.04*	
		For Class 55 Rating, Add	*969.18*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,873.26	618.82
		For Class 52 Rating, Deduct	*-652.92*	
		For Class 54 Rating, Add	*445.17*	
		For Class 55 Rating, Add	*989.47*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,998.74	621.28
		For Class 52 Rating, Deduct	*-666.31*	
		For Class 54 Rating, Add	*454.31*	
		For Class 55 Rating, Add	*1,009.77*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.04	605.59
		For Class 52 Rating, Deduct	*-201.90*	
		For Class 54 Rating, Add	*137.66*	
		For Class 55 Rating, Add	*305.97*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.78	608.04
		For Class 52 Rating, Deduct	*-217.31*	
		For Class 54 Rating, Add	*148.16*	
		For Class 55 Rating, Add	*329.32*	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.51	610.49
		For Class 52 Rating, Deduct	*-232.71*	
		For Class 54 Rating, Add	*158.66*	
		For Class 55 Rating, Add	*352.66*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.25	612.95
		For Class 52 Rating, Deduct	*-248.11*	
		For Class 54 Rating, Add	*169.17*	
		For Class 55 Rating, Add	*376.00*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.98	615.40
		For Class 52 Rating, Deduct	*-263.51*	
		For Class 54 Rating, Add	*179.67*	
		For Class 55 Rating, Add	*399.34*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,471.72	617.85
		For Class 52 Rating, Deduct	*-278.91*	
		For Class 54 Rating, Add	*190.17*	
		For Class 55 Rating, Add	*422.68*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.46	620.30
		For Class 52 Rating, Deduct	*-294.32*	
		For Class 54 Rating, Add	*200.67*	
		For Class 55 Rating, Add	*446.02*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.19	622.75
		For Class 52 Rating, Deduct	*-309.72*	
		For Class 54 Rating, Add	*211.17*	
		For Class 55 Rating, Add	*469.37*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,902.93	625.20
		For Class 52 Rating, Deduct	*-325.12*	
		For Class 54 Rating, Add	*221.67*	
		For Class 55 Rating, Add	*492.71*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,046.66	627.66
		For Class 52 Rating, Deduct	*-340.52*	
		For Class 54 Rating, Add	*232.18*	
		For Class 55 Rating, Add	*516.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.40	630.10
		For Class 52 Rating, Deduct	*-355.93*	
		For Class 54 Rating, Add	*242.68*	
		For Class 55 Rating, Add	*539.39*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,334.13	632.56
		For Class 52 Rating, Deduct	*-371.33*	
		For Class 54 Rating, Add	*253.18*	
		For Class 55 Rating, Add	*562.73*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,477.86	635.02
		For Class 52 Rating, Deduct	*-386.73*	
		For Class 54 Rating, Add	*263.68*	
		For Class 55 Rating, Add	*586.07*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,621.60	637.46
		For Class 52 Rating, Deduct	*-402.13*	
		For Class 54 Rating, Add	*274.18*	
		For Class 55 Rating, Add	*609.41*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,765.34	639.92
		For Class 52 Rating, Deduct	*-417.53*	
		For Class 54 Rating, Add	*284.68*	
		For Class 55 Rating, Add	*632.75*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,909.08	642.36
		For Class 52 Rating, Deduct	*-432.94*	
		For Class 54 Rating, Add	*295.18*	
		For Class 55 Rating, Add	*656.10*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,052.81	644.82
		For Class 52 Rating, Deduct	*-448.34*	
		For Class 54 Rating, Add	*305.69*	
		For Class 55 Rating, Add	*679.44*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,196.55	647.27
		For Class 52 Rating, Deduct	*-463.74*	
		For Class 54 Rating, Add	*316.19*	
		For Class 55 Rating, Add	*702.78*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,340.28	649.72
		For Class 52 Rating, Deduct	*-479.14*	
		For Class 54 Rating, Add	*326.69*	
		For Class 55 Rating, Add	*726.12*	
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,484.01	652.17
		For Class 52 Rating, Deduct	*-494.55*	
		For Class 54 Rating, Add	*337.19*	
		For Class 55 Rating, Add	*749.46*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,627.75	654.63
		For Class 52 Rating, Deduct	*-509.95*	
		For Class 54 Rating, Add	*347.69*	
		For Class 55 Rating, Add	*772.80*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,771.48	657.08
		For Class 52 Rating, Deduct	*-525.35*	
		For Class 54 Rating, Add	*358.19*	
		For Class 55 Rating, Add	*796.14*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,915.22	659.53
		For Class 52 Rating, Deduct	*-540.75*	
		For Class 54 Rating, Add	*368.69*	
		For Class 55 Rating, Add	*819.49*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,058.95	661.98
		For Class 52 Rating, Deduct	*-556.15*	
		For Class 54 Rating, Add	*379.20*	
		For Class 55 Rating, Add	*842.83*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,202.69	664.43
		For Class 52 Rating, Deduct	*-571.56*	
		For Class 54 Rating, Add	*389.70*	
		For Class 55 Rating, Add	*866.17*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,346.42	666.89
		For Class 52 Rating, Deduct	*-586.96*	
		For Class 54 Rating, Add	*400.20*	
		For Class 55 Rating, Add	*889.51*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,490.15	669.33
		For Class 52 Rating, Deduct	*-602.36*	
		For Class 54 Rating, Add	*410.70*	
		For Class 55 Rating, Add	*912.85*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,633.89	671.79
		For Class 52 Rating, Deduct	*-617.76*	
		For Class 54 Rating, Add	*421.20*	
		For Class 55 Rating, Add	*936.19*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,777.62	674.24
		For Class 52 Rating, Deduct	*-633.17*	
		For Class 54 Rating, Add	*431.70*	
		For Class 55 Rating, Add	*959.53*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,921.36	676.69
		For Class 52 Rating, Deduct	*-648.57*	
		For Class 54 Rating, Add	*442.21*	
		For Class 55 Rating, Add	*982.87*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,065.09	679.15
		For Class 52 Rating, Deduct	*-663.97*	
		For Class 54 Rating, Add	*452.71*	
		For Class 55 Rating, Add	*1,006.22*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,208.83	681.59
		For Class 52 Rating, Deduct	*-679.37*	
		For Class 54 Rating, Add	*463.21*	
		For Class 55 Rating, Add	*1,029.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,352.56	684.05
		For Class 52 Rating, Deduct	*-694.77*	
		For Class 54 Rating, Add	*473.71*	
		For Class 55 Rating, Add	*1,052.90*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,496.30	686.50
		For Class 52 Rating, Deduct	*-710.18*	
		For Class 54 Rating, Add	*484.21*	
		For Class 55 Rating, Add	*1,076.24*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,640.04	688.95
		For Class 52 Rating, Deduct	*-725.58*	
		For Class 54 Rating, Add	*494.71*	
		For Class 55 Rating, Add	*1,099.58*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,783.78	691.40
		For Class 52 Rating, Deduct	*-740.98*	
		For Class 54 Rating, Add	*505.22*	
		For Class 55 Rating, Add	*1,122.92*	
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,927.52	693.86
		For Class 52 Rating, Deduct	*-756.38*	
		For Class 54 Rating, Add	*515.72*	
		For Class 55 Rating, Add	*1,146.27*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,071.25	696.30
		For Class 52 Rating, Deduct	*-771.79*	
		For Class 54 Rating, Add	*526.22*	
		For Class 55 Rating, Add	*1,169.61*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,375.79	715.92
		For Class 52 Rating, Deduct	*-252.02*	
		For Class 54 Rating, Add	*171.83*	
		For Class 55 Rating, Add	*381.92*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,553.00	718.37
		For Class 52 Rating, Deduct	*-271.10*	
		For Class 54 Rating, Add	*184.84*	
		For Class 55 Rating, Add	*410.84*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,730.21	720.82
		For Class 52 Rating, Deduct	*-290.19*	
		For Class 54 Rating, Add	*197.85*	
		For Class 55 Rating, Add	*439.76*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,907.44	723.27
		For Class 52 Rating, Deduct	*-309.27*	
		For Class 54 Rating, Add	*210.87*	
		For Class 55 Rating, Add	*468.69*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,084.65	725.73
		For Class 52 Rating, Deduct	*-328.36*	
		For Class 54 Rating, Add	*223.88*	
		For Class 55 Rating, Add	*497.61*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,261.87	728.18
		For Class 52 Rating, Deduct	*-347.44*	
		For Class 54 Rating, Add	*236.89*	
		For Class 55 Rating, Add	*526.53*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,439.09	730.63
		For Class 52 Rating, Deduct	*-366.53*	
		For Class 54 Rating, Add	*249.91*	
		For Class 55 Rating, Add	*555.46*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,616.32	733.09
		For Class 52 Rating, Deduct	*-385.61*	
		For Class 54 Rating, Add	*262.92*	
		For Class 55 Rating, Add	*584.38*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,793.53	735.53
		For Class 52 Rating, Deduct	*-404.70*	
		For Class 54 Rating, Add	*275.93*	
		For Class 55 Rating, Add	*613.30*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,970.75	737.99
		For Class 52 Rating, Deduct	*-423.78*	
		For Class 54 Rating, Add	*288.94*	
		For Class 55 Rating, Add	*642.23*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,147.97	740.43
		For Class 52 Rating, Deduct	*-442.87*	
		For Class 54 Rating, Add	*301.96*	
		For Class 55 Rating, Add	*671.15*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,325.19	742.89
		For Class 52 Rating, Deduct	*-461.96*	
		For Class 54 Rating, Add	*314.97*	
		For Class 55 Rating, Add	*700.07*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,502.41	745.34
		For Class 52 Rating, Deduct	*-481.04*	
		For Class 54 Rating, Add	*327.98*	
		For Class 55 Rating, Add	*729.00*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,679.62	747.79
		For Class 52 Rating, Deduct	*-500.13*	
		For Class 54 Rating, Add	*341.00*	
		For Class 55 Rating, Add	*757.92*	
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,856.85	750.25
		For Class 52 Rating, Deduct	*-519.21*	
		For Class 54 Rating, Add	*354.01*	
		For Class 55 Rating, Add	*786.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,034.06	752.70
		For Class 52 Rating, Deduct	*-538.30*	
		For Class 54 Rating, Add	*367.02*	
		For Class 55 Rating, Add	*815.76*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,211.27	755.15
		For Class 52 Rating, Deduct	*-557.38*	
		For Class 54 Rating, Add	*380.03*	
		For Class 55 Rating, Add	*844.69*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,388.50	757.60
		For Class 52 Rating, Deduct	*-576.47*	
		For Class 54 Rating, Add	*393.05*	
		For Class 55 Rating, Add	*873.61*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,565.71	760.05
		For Class 52 Rating, Deduct	*-595.55*	
		For Class 54 Rating, Add	*406.06*	
		For Class 55 Rating, Add	*902.53*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,742.93	762.50
		For Class 52 Rating, Deduct	*-614.64*	
		For Class 54 Rating, Add	*419.07*	
		For Class 55 Rating, Add	*931.46*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,920.15	764.96
		For Class 52 Rating, Deduct	*-633.72*	
		For Class 54 Rating, Add	*432.08*	
		For Class 55 Rating, Add	*960.38*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,097.37	767.40
		For Class 52 Rating, Deduct	*-652.81*	
		For Class 54 Rating, Add	*445.10*	
		For Class 55 Rating, Add	*989.30*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,274.58	769.86
		For Class 52 Rating, Deduct	*-671.89*	
		For Class 54 Rating, Add	*458.11*	
		For Class 55 Rating, Add	*1,018.23*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,451.80	772.31
		For Class 52 Rating, Deduct	*-690.98*	
		For Class 54 Rating, Add	*471.12*	
		For Class 55 Rating, Add	*1,047.15*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,629.02	774.76
		For Class 52 Rating, Deduct	*-710.07*	
		For Class 54 Rating, Add	*484.14*	
		For Class 55 Rating, Add	*1,076.07*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,806.23	777.22
		For Class 52 Rating, Deduct	*-729.15*	
		For Class 54 Rating, Add	*497.15*	
		For Class 55 Rating, Add	*1,104.99*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,983.46	779.66
		For Class 52 Rating, Deduct	*-748.24*	
		For Class 54 Rating, Add	*510.16*	
		For Class 55 Rating, Add	*1,133.92*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,160.68	782.12
		For Class 52 Rating, Deduct	*-767.32*	
		For Class 54 Rating, Add	*523.17*	
		For Class 55 Rating, Add	*1,162.84*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,337.90	784.57
		For Class 52 Rating, Deduct	*-786.41*	
		For Class 54 Rating, Add	*536.19*	
		For Class 55 Rating, Add	*1,191.76*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,578.27	828.70
		For Class 52 Rating, Deduct	*-805.49*	
		For Class 54 Rating, Add	*549.20*	
		For Class 55 Rating, Add	*1,220.69*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,755.49	831.15
		For Class 52 Rating, Deduct	*-824.58*	
		For Class 54 Rating, Add	*562.21*	
		For Class 55 Rating, Add	*1,249.61*	
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,932.70	833.60
		For Class 52 Rating, Deduct	*-843.66*	
		For Class 54 Rating, Add	*575.22*	
		For Class 55 Rating, Add	*1,278.53*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,109.93	836.06
		For Class 52 Rating, Deduct	*-862.75*	
		For Class 54 Rating, Add	*588.24*	
		For Class 55 Rating, Add	*1,307.46*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,287.14	838.51
		For Class 52 Rating, Deduct	*-881.83*	
		For Class 54 Rating, Add	*601.25*	
		For Class 55 Rating, Add	*1,336.38*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,464.35	840.96
		For Class 52 Rating, Deduct	*-900.92*	
		For Class 54 Rating, Add	*614.26*	
		For Class 55 Rating, Add	*1,365.30*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,641.58	843.42
		For Class 52 Rating, Deduct	*-920.00*	
		For Class 54 Rating, Add	*627.28*	
		For Class 55 Rating, Add	*1,394.23*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,818.79	845.86
		For Class 52 Rating, Deduct	*-939.09*	
		For Class 54 Rating, Add	*640.29*	
		For Class 55 Rating, Add	*1,423.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,996.01	848.32
		For Class 52 Rating, Deduct	*-958.17*	
		For Class 54 Rating, Add	*653.30*	
		For Class 55 Rating, Add	*1,452.07*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,173.06	1,010.13
		For Class 52 Rating, Deduct	*-400.68*	
		For Class 54 Rating, Add	*273.19*	
		For Class 55 Rating, Add	*607.21*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,427.39	1,012.59
		For Class 52 Rating, Deduct	*-428.25*	
		For Class 54 Rating, Add	*291.99*	
		For Class 55 Rating, Add	*648.99*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,681.72	1,015.03
		For Class 52 Rating, Deduct	*-455.82*	
		For Class 54 Rating, Add	*310.78*	
		For Class 55 Rating, Add	*690.77*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,936.06	1,017.49
		For Class 52 Rating, Deduct	*-483.39*	
		For Class 54 Rating, Add	*329.58*	
		For Class 55 Rating, Add	*732.55*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,190.39	1,019.95
		For Class 52 Rating, Deduct	*-510.95*	
		For Class 54 Rating, Add	*348.38*	
		For Class 55 Rating, Add	*774.32*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,444.72	1,022.39
		For Class 52 Rating, Deduct	*-538.52*	
		For Class 54 Rating, Add	*367.17*	
		For Class 55 Rating, Add	*816.10*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,699.05	1,024.85
		For Class 52 Rating, Deduct	*-566.09*	
		For Class 54 Rating, Add	*385.97*	
		For Class 55 Rating, Add	*857.88*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,953.38	1,027.29
		For Class 52 Rating, Deduct	*-593.66*	
		For Class 54 Rating, Add	*404.77*	
		For Class 55 Rating, Add	*899.66*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,207.72	1,029.75
		For Class 52 Rating, Deduct	*-621.22*	
		For Class 54 Rating, Add	*423.56*	
		For Class 55 Rating, Add	*941.44*	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,462.04	1,032.20
		For Class 52 Rating, Deduct	*-648.79*	
		For Class 54 Rating, Add	*442.36*	
		For Class 55 Rating, Add	*983.21*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,716.37	1,034.65
		For Class 52 Rating, Deduct	*-676.36*	
		For Class 54 Rating, Add	*461.15*	
		For Class 55 Rating, Add	*1,024.99*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,970.70	1,037.10
		For Class 52 Rating, Deduct	*-703.93*	
		For Class 54 Rating, Add	*479.95*	
		For Class 55 Rating, Add	*1,066.77*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,225.03	1,039.55
		For Class 52 Rating, Deduct	*-731.49*	
		For Class 54 Rating, Add	*498.75*	
		For Class 55 Rating, Add	*1,108.55*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,479.37	1,042.01
		For Class 52 Rating, Deduct	*-759.06*	
		For Class 54 Rating, Add	*517.54*	
		For Class 55 Rating, Add	*1,150.33*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,733.69	1,044.46
		For Class 52 Rating, Deduct	*-786.63*	
		For Class 54 Rating, Add	*536.34*	
		For Class 55 Rating, Add	*1,192.10*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,988.03	1,046.91
		For Class 52 Rating, Deduct	*-814.20*	
		For Class 54 Rating, Add	*555.14*	
		For Class 55 Rating, Add	*1,233.88*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,242.35	1,049.36
		For Class 52 Rating, Deduct	*-841.77*	
		For Class 54 Rating, Add	*573.93*	
		For Class 55 Rating, Add	*1,275.66*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,496.68	1,051.82
		For Class 52 Rating, Deduct	*-869.33*	
		For Class 54 Rating, Add	*592.73*	
		For Class 55 Rating, Add	*1,317.44*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,751.02	1,054.26
		For Class 52 Rating, Deduct	*-896.90*	
		For Class 54 Rating, Add	*611.52*	
		For Class 55 Rating, Add	*1,359.21*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,005.34	1,056.72
		For Class 52 Rating, Deduct	*-924.47*	
		For Class 54 Rating, Add	*630.32*	
		For Class 55 Rating, Add	*1,400.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,259.68	1,059.16
		For Class 52 Rating, Deduct	*-952.04*	
		For Class 54 Rating, Add	*649.12*	
		For Class 55 Rating, Add	*1,442.77*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,514.01	1,061.62
		For Class 52 Rating, Deduct	*-979.61*	
		For Class 54 Rating, Add	*667.91*	
		For Class 55 Rating, Add	*1,484.55*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,768.34	1,064.08
		For Class 52 Rating, Deduct	*-1,007.17*	
		For Class 54 Rating, Add	*686.71*	
		For Class 55 Rating, Add	*1,526.32*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,022.68	1,066.52
		For Class 52 Rating, Deduct	*-1,034.74*	
		For Class 54 Rating, Add	*705.50*	
		For Class 55 Rating, Add	*1,568.10*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,275.99	1,068.98
		For Class 52 Rating, Deduct	*-1,062.20*	
		For Class 54 Rating, Add	*724.22*	
		For Class 55 Rating, Add	*1,609.71*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,531.34	1,071.43
		For Class 52 Rating, Deduct	*-1,089.88*	
		For Class 54 Rating, Add	*743.10*	
		For Class 55 Rating, Add	*1,651.66*	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,785.67	1,073.88
		For Class 52 Rating, Deduct	*-1,117.44*	
		For Class 54 Rating, Add	*761.89*	
		For Class 55 Rating, Add	*1,693.44*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,040.00	1,076.33
		For Class 52 Rating, Deduct	*-1,145.01*	
		For Class 54 Rating, Add	*780.69*	
		For Class 55 Rating, Add	*1,735.21*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,294.33	1,078.78
		For Class 52 Rating, Deduct	*-1,172.58*	
		For Class 54 Rating, Add	*799.49*	
		For Class 55 Rating, Add	*1,776.99*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,548.66	1,081.23
		For Class 52 Rating, Deduct	*-1,200.15*	
		For Class 54 Rating, Add	*818.28*	
		For Class 55 Rating, Add	*1,818.77*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,802.99	1,083.69
		For Class 52 Rating, Deduct	*-1,227.71*	
		For Class 54 Rating, Add	*837.08*	
		For Class 55 Rating, Add	*1,860.55*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,057.32	1,086.14
		For Class 52 Rating, Deduct	*-1,255.28*	
		For Class 54 Rating, Add	*855.87*	
		For Class 55 Rating, Add	*1,902.32*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,311.65	1,088.59
		For Class 52 Rating, Deduct	*-1,282.85*	
		For Class 54 Rating, Add	*874.67*	
		For Class 55 Rating, Add	*1,944.10*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,565.98	1,091.05
		For Class 52 Rating, Deduct	*-1,310.42*	
		For Class 54 Rating, Add	*893.47*	
		For Class 55 Rating, Add	*1,985.88*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,820.31	1,093.49
		For Class 52 Rating, Deduct	*-1,337.99*	
		For Class 54 Rating, Add	*912.26*	
		For Class 55 Rating, Add	*2,027.66*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,074.64	1,095.95
		For Class 52 Rating, Deduct	*-1,365.55*	
		For Class 54 Rating, Add	*931.06*	
		For Class 55 Rating, Add	*2,069.43*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,328.98	1,098.39
		For Class 52 Rating, Deduct	*-1,393.12*	
		For Class 54 Rating, Add	*949.86*	
		For Class 55 Rating, Add	*2,111.21*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,583.30	1,100.85
		For Class 52 Rating, Deduct	*-1,420.69*	
		For Class 54 Rating, Add	*968.65*	
		For Class 55 Rating, Add	*2,152.99*	
40 05 19 00-0437		36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,151.34	1,279.83
		For Class 52 Rating, Deduct	*-573.34*	
		For Class 54 Rating, Add	*390.92*	
		For Class 55 Rating, Add	*868.88*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,495.97	1,282.28
		For Class 52 Rating, Deduct	*-610.84*	
		For Class 54 Rating, Add	*416.48*	
		For Class 55 Rating, Add	*925.71*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,840.60	1,284.73
		For Class 52 Rating, Deduct	*-648.34*	
		For Class 54 Rating, Add	*442.05*	
		For Class 55 Rating, Add	*982.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,185.24	1,287.18
		For Class 52 Rating, Deduct	*-685.85*	
		For Class 54 Rating, Add	*467.62*	
		For Class 55 Rating, Add	*1,039.37*	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,529.87	1,289.64
		For Class 52 Rating, Deduct	*-723.35*	
		For Class 54 Rating, Add	*493.19*	
		For Class 55 Rating, Add	*1,096.20*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,874.51	1,292.09
		For Class 52 Rating, Deduct	*-760.85*	
		For Class 54 Rating, Add	*518.76*	
		For Class 55 Rating, Add	*1,153.03*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,219.14	1,294.54
		For Class 52 Rating, Deduct	*-798.35*	
		For Class 54 Rating, Add	*544.33*	
		For Class 55 Rating, Add	*1,209.86*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,563.77	1,296.99
		For Class 52 Rating, Deduct	*-835.85*	
		For Class 54 Rating, Add	*569.90*	
		For Class 55 Rating, Add	*1,266.69*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,908.41	1,299.45
		For Class 52 Rating, Deduct	*-873.35*	
		For Class 54 Rating, Add	*595.47*	
		For Class 55 Rating, Add	*1,323.52*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,253.05	1,301.89
		For Class 52 Rating, Deduct	*-910.85*	
		For Class 54 Rating, Add	*621.04*	
		For Class 55 Rating, Add	*1,380.36*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,597.69	1,304.35
		For Class 52 Rating, Deduct	*-948.35*	
		For Class 54 Rating, Add	*646.61*	
		For Class 55 Rating, Add	*1,437.19*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,942.32	1,306.79
		For Class 52 Rating, Deduct	*-985.86*	
		For Class 54 Rating, Add	*672.17*	
		For Class 55 Rating, Add	*1,494.02*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,286.95	1,309.25
		For Class 52 Rating, Deduct	*-1,023.36*	
		For Class 54 Rating, Add	*697.74*	
		For Class 55 Rating, Add	*1,550.85*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,631.58	1,311.70
		For Class 52 Rating, Deduct	*-1,060.86*	
		For Class 54 Rating, Add	*723.31*	
		For Class 55 Rating, Add	*1,607.68*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,976.21	1,314.15
		For Class 52 Rating, Deduct	*-1,098.36*	
		For Class 54 Rating, Add	*748.88*	
		For Class 55 Rating, Add	*1,664.51*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,320.85	1,316.61
		For Class 52 Rating, Deduct	*-1,135.86*	
		For Class 54 Rating, Add	*774.45*	
		For Class 55 Rating, Add	*1,721.34*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,665.48	1,319.06
		For Class 52 Rating, Deduct	*-1,173.36*	
		For Class 54 Rating, Add	*800.02*	
		For Class 55 Rating, Add	*1,778.17*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,010.12	1,321.51
		For Class 52 Rating, Deduct	*-1,210.86*	
		For Class 54 Rating, Add	*825.59*	
		For Class 55 Rating, Add	*1,835.01*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,354.75	1,323.96
		For Class 52 Rating, Deduct	*-1,248.36*	
		For Class 54 Rating, Add	*851.16*	
		For Class 55 Rating, Add	*1,891.84*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,699.39	1,326.41
		For Class 52 Rating, Deduct	*-1,285.86*	
		For Class 54 Rating, Add	*876.73*	
		For Class 55 Rating, Add	*1,948.67*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,044.02	1,328.86
		For Class 52 Rating, Deduct	*-1,323.36*	
		For Class 54 Rating, Add	*902.29*	
		For Class 55 Rating, Add	*2,005.50*	
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,388.65	1,331.32
		For Class 52 Rating, Deduct	*-1,360.87*	
		For Class 54 Rating, Add	*927.86*	
		For Class 55 Rating, Add	*2,062.33*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,733.28	1,333.76
		For Class 52 Rating, Deduct	*-1,398.37*	
		For Class 54 Rating, Add	*953.43*	
		For Class 55 Rating, Add	*2,119.16*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,077.91	1,336.22
		For Class 52 Rating, Deduct	*-1,435.87*	
		For Class 54 Rating, Add	*979.00*	
		For Class 55 Rating, Add	*2,175.99*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,422.55	1,338.68
		For Class 52 Rating, Deduct	*-1,473.37*	
		For Class 54 Rating, Add	*1,004.57*	
		For Class 55 Rating, Add	*2,232.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,767.18	1,341.12
		For Class 52 Rating, Deduct	*-1,510.87*	
		For Class 54 Rating, Add	*1,030.14*	
		For Class 55 Rating, Add	*2,289.65*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,111.82	1,343.58
		For Class 52 Rating, Deduct	*-1,548.37*	
		For Class 54 Rating, Add	*1,055.71*	
		For Class 55 Rating, Add	*2,346.49*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,456.45	1,346.02
		For Class 52 Rating, Deduct	*-1,585.87*	
		For Class 54 Rating, Add	*1,081.28*	
		For Class 55 Rating, Add	*2,403.32*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,801.09	1,348.48
		For Class 52 Rating, Deduct	*-1,623.37*	
		For Class 54 Rating, Add	*1,106.85*	
		For Class 55 Rating, Add	*2,460.15*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,145.73	1,350.93
		For Class 52 Rating, Deduct	*-1,660.87*	
		For Class 54 Rating, Add	*1,132.41*	
		For Class 55 Rating, Add	*2,516.98*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,490.36	1,353.38
		For Class 52 Rating, Deduct	*-1,698.38*	
		For Class 54 Rating, Add	*1,157.98*	
		For Class 55 Rating, Add	*2,573.81*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,835.00	1,355.83
		For Class 52 Rating, Deduct	*-1,735.88*	
		For Class 54 Rating, Add	*1,183.55*	
		For Class 55 Rating, Add	*2,630.64*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,179.63	1,358.29
		For Class 52 Rating, Deduct	*-1,773.38*	
		For Class 54 Rating, Add	*1,209.12*	
		For Class 55 Rating, Add	*2,687.47*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,524.26	1,360.74
		For Class 52 Rating, Deduct	*-1,810.88*	
		For Class 54 Rating, Add	*1,234.69*	
		For Class 55 Rating, Add	*2,744.30*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,868.89	1,363.19
		For Class 52 Rating, Deduct	*-1,848.38*	
		For Class 54 Rating, Add	*1,260.26*	
		For Class 55 Rating, Add	*2,801.14*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,213.53	1,365.64
		For Class 52 Rating, Deduct	*-1,885.88*	
		For Class 54 Rating, Add	*1,285.83*	
		For Class 55 Rating, Add	*2,857.97*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,558.16	1,368.09
		For Class 52 Rating, Deduct	*-1,923.38*	
		For Class 54 Rating, Add	*1,311.40*	
		For Class 55 Rating, Add	*2,914.80*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,902.79	1,370.55
		For Class 52 Rating, Deduct	*-1,960.88*	
		For Class 54 Rating, Add	*1,336.97*	
		For Class 55 Rating, Add	*2,971.63*	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,397.68	1,613.27
		For Class 52 Rating, Deduct	*-764.87*	
		For Class 54 Rating, Add	*521.50*	
		For Class 55 Rating, Add	*1,159.12*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,910.74	1,615.72
		For Class 52 Rating, Deduct	*-820.89*	
		For Class 54 Rating, Add	*559.70*	
		For Class 55 Rating, Add	*1,244.03*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,417.72	1,618.18
		For Class 52 Rating, Deduct	*-876.25*	
		For Class 54 Rating, Add	*597.45*	
		For Class 55 Rating, Add	*1,327.92*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,929.76	1,620.62
		For Class 52 Rating, Deduct	*-932.17*	
		For Class 54 Rating, Add	*635.57*	
		For Class 55 Rating, Add	*1,412.66*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,436.74	1,623.08
		For Class 52 Rating, Deduct	*-987.53*	
		For Class 54 Rating, Add	*673.31*	
		For Class 55 Rating, Add	*1,496.55*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,949.80	1,625.53
		For Class 52 Rating, Deduct	*-1,043.56*	
		For Class 54 Rating, Add	*711.52*	
		For Class 55 Rating, Add	*1,581.46*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,455.77	1,627.98
		For Class 52 Rating, Deduct	*-1,098.80*	
		For Class 54 Rating, Add	*749.18*	
		For Class 55 Rating, Add	*1,665.19*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,968.83	1,630.44
		For Class 52 Rating, Deduct	*-1,154.83*	
		For Class 54 Rating, Add	*787.39*	
		For Class 55 Rating, Add	*1,750.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,475.81	1,632.88
		For Class 52 Rating, Deduct	*-1,210.19*	
		For Class 54 Rating, Add	*825.13*	
		For Class 55 Rating, Add	*1,833.99*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,987.87	1,635.34
		For Class 52 Rating, Deduct	*-1,266.11*	
		For Class 54 Rating, Add	*863.26*	
		For Class 55 Rating, Add	*1,918.73*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,494.84	1,637.79
		For Class 52 Rating, Deduct	*-1,321.47*	
		For Class 54 Rating, Add	*901.00*	
		For Class 55 Rating, Add	*2,002.62*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,006.89	1,640.24
		For Class 52 Rating, Deduct	*-1,377.38*	
		For Class 54 Rating, Add	*939.13*	
		For Class 55 Rating, Add	*2,087.36*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,513.86	1,642.69
		For Class 52 Rating, Deduct	*-1,432.74*	
		For Class 54 Rating, Add	*976.87*	
		For Class 55 Rating, Add	*2,171.26*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,021.86	1,645.15
		For Class 52 Rating, Deduct	*-1,488.21*	
		For Class 54 Rating, Add	*1,014.69*	
		For Class 55 Rating, Add	*2,255.32*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,532.89	1,647.59
		For Class 52 Rating, Deduct	*-1,544.02*	
		For Class 54 Rating, Add	*1,052.74*	
		For Class 55 Rating, Add	*2,339.89*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,039.86	1,650.05
		For Class 52 Rating, Deduct	*-1,599.38*	
		For Class 54 Rating, Add	*1,090.48*	
		For Class 55 Rating, Add	*2,423.78*	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,552.93	1,652.50
		For Class 52 Rating, Deduct	*-1,655.41*	
		For Class 54 Rating, Add	*1,128.69*	
		For Class 55 Rating, Add	*2,508.69*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,059.90	1,654.95
		For Class 52 Rating, Deduct	*-1,710.76*	
		For Class 54 Rating, Add	*1,166.43*	
		For Class 55 Rating, Add	*2,592.59*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,571.96	1,657.41
		For Class 52 Rating, Deduct	*-1,766.68*	
		For Class 54 Rating, Add	*1,204.56*	
		For Class 55 Rating, Add	*2,677.33*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,078.93	1,659.85
		For Class 52 Rating, Deduct	*-1,822.04*	
		For Class 54 Rating, Add	*1,242.30*	
		For Class 55 Rating, Add	*2,761.22*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,592.00	1,662.31
		For Class 52 Rating, Deduct	*-1,878.07*	
		For Class 54 Rating, Add	*1,280.50*	
		For Class 55 Rating, Add	*2,846.13*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,098.97	1,664.76
		For Class 52 Rating, Deduct	*-1,933.43*	
		For Class 54 Rating, Add	*1,318.25*	
		For Class 55 Rating, Add	*2,930.02*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,611.01	1,667.21
		For Class 52 Rating, Deduct	*-1,989.34*	
		For Class 54 Rating, Add	*1,356.37*	
		For Class 55 Rating, Add	*3,014.76*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,117.99	1,669.66
		For Class 52 Rating, Deduct	*-2,044.70*	
		For Class 54 Rating, Add	*1,394.12*	
		For Class 55 Rating, Add	*3,098.65*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,631.05	1,672.11
		For Class 52 Rating, Deduct	*-2,100.73*	
		For Class 54 Rating, Add	*1,432.32*	
		For Class 55 Rating, Add	*3,183.56*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,138.04	1,674.57
		For Class 52 Rating, Deduct	*-2,156.09*	
		For Class 54 Rating, Add	*1,470.06*	
		For Class 55 Rating, Add	*3,267.46*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,649.07	1,677.02
		For Class 52 Rating, Deduct	*-2,211.90*	
		For Class 54 Rating, Add	*1,508.11*	
		For Class 55 Rating, Add	*3,352.03*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,157.07	1,679.47
		For Class 52 Rating, Deduct	*-2,267.37*	
		For Class 54 Rating, Add	*1,545.93*	
		For Class 55 Rating, Add	*3,436.09*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,562.58	1,681.92
		For Class 52 Rating, Deduct	*-2,311.56*	
		For Class 54 Rating, Add	*1,576.07*	
		For Class 55 Rating, Add	*3,503.07*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,176.09	1,684.38
		For Class 52 Rating, Deduct	*-2,378.64*	
		For Class 54 Rating, Add	*1,621.80*	
		For Class 55 Rating, Add	*3,604.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,683.07	1,686.82
		For Class 52 Rating, Deduct	*-2,434.00*	
		For Class 54 Rating, Add	*1,659.55*	
		For Class 55 Rating, Add	*3,688.62*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,195.11	1,689.28
		For Class 52 Rating, Deduct	*-2,489.92*	
		For Class 54 Rating, Add	*1,697.67*	
		For Class 55 Rating, Add	*3,773.35*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,702.10	1,691.72
		For Class 52 Rating, Deduct	*-2,545.28*	
		For Class 54 Rating, Add	*1,735.42*	
		For Class 55 Rating, Add	*3,857.25*	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,215.15	1,694.18
		For Class 52 Rating, Deduct	*-2,601.30*	
		For Class 54 Rating, Add	*1,773.62*	
		For Class 55 Rating, Add	*3,942.16*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,721.12	1,696.64
		For Class 52 Rating, Deduct	*-2,656.55*	
		For Class 54 Rating, Add	*1,811.28*	
		For Class 55 Rating, Add	*4,025.88*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,234.18	1,699.08
		For Class 52 Rating, Deduct	*-2,712.58*	
		For Class 54 Rating, Add	*1,849.49*	
		For Class 55 Rating, Add	*4,110.79*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,741.15	1,701.54
		For Class 52 Rating, Deduct	*-2,767.94*	
		For Class 54 Rating, Add	*1,887.23*	
		For Class 55 Rating, Add	*4,194.68*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,253.21	1,703.99
		For Class 52 Rating, Deduct	*-2,823.86*	
		For Class 54 Rating, Add	*1,925.36*	
		For Class 55 Rating, Add	*4,279.42*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,789.95	2,027.62
		For Class 52 Rating, Deduct	*-958.96*	
		For Class 54 Rating, Add	*653.83*	
		For Class 55 Rating, Add	*1,453.26*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,535.36	2,030.08
		For Class 52 Rating, Deduct	*-1,040.54*	
		For Class 54 Rating, Add	*709.46*	
		For Class 55 Rating, Add	*1,576.90*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,279.76	2,032.52
		For Class 52 Rating, Deduct	*-1,122.02*	
		For Class 54 Rating, Add	*765.01*	
		For Class 55 Rating, Add	*1,700.37*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,030.25	2,034.98
		For Class 52 Rating, Deduct	*-1,204.16*	
		For Class 54 Rating, Add	*821.02*	
		For Class 55 Rating, Add	*1,824.86*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,775.66	2,037.43
		For Class 52 Rating, Deduct	*-1,285.75*	
		For Class 54 Rating, Add	*876.65*	
		For Class 55 Rating, Add	*1,948.50*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,521.08	2,039.88
		For Class 52 Rating, Deduct	*-1,367.34*	
		For Class 54 Rating, Add	*932.28*	
		For Class 55 Rating, Add	*2,072.14*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,270.56	2,042.34
		For Class 52 Rating, Deduct	*-1,449.37*	
		For Class 54 Rating, Add	*988.21*	
		For Class 55 Rating, Add	*2,196.46*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,016.99	2,044.78
		For Class 52 Rating, Deduct	*-1,531.07*	
		For Class 54 Rating, Add	*1,043.91*	
		For Class 55 Rating, Add	*2,320.27*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,761.39	2,047.24
		For Class 52 Rating, Deduct	*-1,612.55*	
		For Class 54 Rating, Add	*1,099.46*	
		For Class 55 Rating, Add	*2,443.74*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,511.87	2,049.69
		For Class 52 Rating, Deduct	*-1,694.69*	
		For Class 54 Rating, Add	*1,155.47*	
		For Class 55 Rating, Add	*2,568.23*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,257.30	2,052.14
		For Class 52 Rating, Deduct	*-1,776.28*	
		For Class 54 Rating, Add	*1,211.10*	
		For Class 55 Rating, Add	*2,691.87*	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,007.78	2,054.59
		For Class 52 Rating, Deduct	*-1,858.42*	
		For Class 54 Rating, Add	*1,267.11*	
		For Class 55 Rating, Add	*2,816.36*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,752.19	2,057.04
		For Class 52 Rating, Deduct	*-1,939.90*	
		For Class 54 Rating, Add	*1,322.66*	
		For Class 55 Rating, Add	*2,939.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,497.61	2,059.50
		For Class 52 Rating, Deduct	*-2,021.49*	
		For Class 54 Rating, Add	*1,378.29*	
		For Class 55 Rating, Add	*3,063.47*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,248.10	2,061.95
		For Class 52 Rating, Deduct	*-2,103.63*	
		For Class 54 Rating, Add	*1,434.29*	
		For Class 55 Rating, Add	*3,187.96*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,993.52	2,064.40
		For Class 52 Rating, Deduct	*-2,185.22*	
		For Class 54 Rating, Add	*1,489.92*	
		For Class 55 Rating, Add	*3,311.60*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,737.91	2,066.85
		For Class 52 Rating, Deduct	*-2,266.70*	
		For Class 54 Rating, Add	*1,545.47*	
		For Class 55 Rating, Add	*3,435.07*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,488.41	2,069.30
		For Class 52 Rating, Deduct	*-2,348.84*	
		For Class 54 Rating, Add	*1,601.48*	
		For Class 55 Rating, Add	*3,559.56*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,233.82	2,071.75
		For Class 52 Rating, Deduct	*-2,430.43*	
		For Class 54 Rating, Add	*1,657.11*	
		For Class 55 Rating, Add	*3,683.20*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,978.23	2,074.21
		For Class 52 Rating, Deduct	*-2,511.90*	
		For Class 54 Rating, Add	*1,712.66*	
		For Class 55 Rating, Add	*3,806.68*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,728.71	2,076.65
		For Class 52 Rating, Deduct	*-2,594.05*	
		For Class 54 Rating, Add	*1,768.67*	
		For Class 55 Rating, Add	*3,931.16*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,475.15	2,079.11
		For Class 52 Rating, Deduct	*-2,675.75*	
		For Class 54 Rating, Add	*1,824.37*	
		For Class 55 Rating, Add	*4,054.97*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,219.55	2,081.57
		For Class 52 Rating, Deduct	*-2,757.22*	
		For Class 54 Rating, Add	*1,879.93*	
		For Class 55 Rating, Add	*4,178.45*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,970.04	2,084.01
		For Class 52 Rating, Deduct	*-2,839.37*	
		For Class 54 Rating, Add	*1,935.93*	
		For Class 55 Rating, Add	*4,302.93*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,715.45	2,086.47
		For Class 52 Rating, Deduct	*-2,920.96*	
		For Class 54 Rating, Add	*1,991.56*	
		For Class 55 Rating, Add	*4,426.58*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,459.85	2,088.91
		For Class 52 Rating, Deduct	*-3,002.43*	
		For Class 54 Rating, Add	*2,047.11*	
		For Class 55 Rating, Add	*4,550.05*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,210.35	2,091.37
		For Class 52 Rating, Deduct	*-3,084.58*	
		For Class 54 Rating, Add	*2,103.12*	
		For Class 55 Rating, Add	*4,674.54*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,955.76	2,093.82
		For Class 52 Rating, Deduct	*-3,166.16*	
		For Class 54 Rating, Add	*2,158.75*	
		For Class 55 Rating, Add	*4,798.18*	
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,609.86	2,096.27
		For Class 52 Rating, Deduct	*-3,237.71*	
		For Class 54 Rating, Add	*2,207.53*	
		For Class 55 Rating, Add	*4,906.60*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,451.66	2,098.72
		For Class 52 Rating, Deduct	*-3,329.90*	
		For Class 54 Rating, Add	*2,270.38*	
		For Class 55 Rating, Add	*5,046.31*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,196.07	2,101.18
		For Class 52 Rating, Deduct	*-3,411.37*	
		For Class 54 Rating, Add	*2,325.94*	
		For Class 55 Rating, Add	*5,169.78*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,947.57	2,103.63
		For Class 52 Rating, Deduct	*-3,493.63*	
		For Class 54 Rating, Add	*2,382.02*	
		For Class 55 Rating, Add	*5,294.44*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,691.98	2,106.08
		For Class 52 Rating, Deduct	*-3,575.10*	
		For Class 54 Rating, Add	*2,437.57*	
		For Class 55 Rating, Add	*5,417.91*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,436.39	2,108.53
		For Class 52 Rating, Deduct	*-3,656.58*	
		For Class 54 Rating, Add	*2,493.12*	
		For Class 55 Rating, Add	*5,541.38*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,187.89	2,110.98
		For Class 52 Rating, Deduct	*-3,738.84*	
		For Class 54 Rating, Add	*2,549.21*	
		For Class 55 Rating, Add	*5,666.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,932.29	2,113.44
		For Class 52 Rating, Deduct	*-3,820.31*	
		For Class 54 Rating, Add	*2,604.76*	
		For Class 55 Rating, Add	*5,789.51*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,677.70	2,115.88
		For Class 52 Rating, Deduct	*-3,901.90*	
		For Class 54 Rating, Add	*2,660.39*	
		For Class 55 Rating, Add	*5,913.15*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,428.20	2,118.34
		For Class 52 Rating, Deduct	*-3,984.04*	
		For Class 54 Rating, Add	*2,716.39*	
		For Class 55 Rating, Add	*6,037.64*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	342.48	112.19
		For Class 52 Rating, Deduct	*-18.97*	
		For Class 54 Rating, Add	*12.94*	
		For Class 55 Rating, Add	*28.75*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	371.83	114.16
		For Class 52 Rating, Deduct	*-21.88*	
		For Class 54 Rating, Add	*14.92*	
		For Class 55 Rating, Add	*33.15*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	401.18	116.11
		For Class 52 Rating, Deduct	*-24.78*	
		For Class 54 Rating, Add	*16.89*	
		For Class 55 Rating, Add	*37.55*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	430.54	118.08
		For Class 52 Rating, Deduct	*-27.68*	
		For Class 54 Rating, Add	*18.87*	
		For Class 55 Rating, Add	*41.95*	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	459.89	120.04
		For Class 52 Rating, Deduct	*-30.58*	
		For Class 54 Rating, Add	*20.85*	
		For Class 55 Rating, Add	*46.34*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	489.24	122.00
		For Class 52 Rating, Deduct	*-33.48*	
		For Class 54 Rating, Add	*22.83*	
		For Class 55 Rating, Add	*50.74*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	518.59	123.96
		For Class 52 Rating, Deduct	*-36.38*	
		For Class 54 Rating, Add	*24.81*	
		For Class 55 Rating, Add	*55.14*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	547.95	125.93
		For Class 52 Rating, Deduct	*-39.29*	
		For Class 54 Rating, Add	*26.79*	
		For Class 55 Rating, Add	*59.54*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	577.29	127.88
		For Class 52 Rating, Deduct	*-42.19*	
		For Class 54 Rating, Add	*28.76*	
		For Class 55 Rating, Add	*63.93*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.65	129.85
		For Class 52 Rating, Deduct	*-45.09*	
		For Class 54 Rating, Add	*30.74*	
		For Class 55 Rating, Add	*68.33*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	636.01	131.80
		For Class 52 Rating, Deduct	*-47.99*	
		For Class 54 Rating, Add	*32.72*	
		For Class 55 Rating, Add	*72.73*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	665.36	133.77
		For Class 52 Rating, Deduct	*-50.89*	
		For Class 54 Rating, Add	*34.70*	
		For Class 55 Rating, Add	*77.13*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	694.71	135.73
		For Class 52 Rating, Deduct	*-53.80*	
		For Class 54 Rating, Add	*36.68*	
		For Class 55 Rating, Add	*81.53*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	724.06	137.69
		For Class 52 Rating, Deduct	*-56.70*	
		For Class 54 Rating, Add	*38.66*	
		For Class 55 Rating, Add	*85.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	753.42	139.65
		For Class 52 Rating, Deduct	*-59.60*	
		For Class 54 Rating, Add	*40.64*	
		For Class 55 Rating, Add	*90.32*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	782.77	141.62
		For Class 52 Rating, Deduct	*-62.50*	
		For Class 54 Rating, Add	*42.62*	
		For Class 55 Rating, Add	*94.72*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	812.12	143.57
		For Class 52 Rating, Deduct	*-65.40*	
		For Class 54 Rating, Add	*44.59*	
		For Class 55 Rating, Add	*99.12*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	841.47	145.54
		For Class 52 Rating, Deduct	*-68.31*	
		For Class 54 Rating, Add	*46.57*	
		For Class 55 Rating, Add	*103.51*	
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.83	147.50
		For Class 52 Rating, Deduct	*-71.21*	
		For Class 54 Rating, Add	*48.55*	
		For Class 55 Rating, Add	*107.91*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.17	149.46
		For Class 52 Rating, Deduct	*-74.11*	
		For Class 54 Rating, Add	*50.53*	
		For Class 55 Rating, Add	*112.31*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	929.53	151.42
		For Class 52 Rating, Deduct	*-77.01*	
		For Class 54 Rating, Add	*52.51*	
		For Class 55 Rating, Add	*116.71*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	958.88	153.39
		For Class 52 Rating, Deduct	*-79.91*	
		For Class 54 Rating, Add	*54.49*	
		For Class 55 Rating, Add	*121.10*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	988.23	155.34
		For Class 52 Rating, Deduct	*-82.81*	
		For Class 54 Rating, Add	*56.46*	
		For Class 55 Rating, Add	*125.50*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.58	157.31
		For Class 52 Rating, Deduct	*-85.72*	
		For Class 54 Rating, Add	*58.44*	
		For Class 55 Rating, Add	*129.90*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.93	159.26
		For Class 52 Rating, Deduct	*-88.62*	
		For Class 54 Rating, Add	*60.42*	
		For Class 55 Rating, Add	*134.30*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.29	161.23
		For Class 52 Rating, Deduct	*-91.52*	
		For Class 54 Rating, Add	*62.40*	
		For Class 55 Rating, Add	*138.69*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,105.65	163.19
		For Class 52 Rating, Deduct	*-94.42*	
		For Class 54 Rating, Add	*64.38*	
		For Class 55 Rating, Add	*143.09*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,135.00	165.15
		For Class 52 Rating, Deduct	*-97.32*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.49*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,164.35	167.11
		For Class 52 Rating, Deduct	*-100.23*	
		For Class 54 Rating, Add	*68.34*	
		For Class 55 Rating, Add	*151.89*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,193.71	169.08
		For Class 52 Rating, Deduct	*-103.13*	
		For Class 54 Rating, Add	*70.31*	
		For Class 55 Rating, Add	*156.29*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.05	171.03
		For Class 52 Rating, Deduct	*-106.03*	
		For Class 54 Rating, Add	*72.29*	
		For Class 55 Rating, Add	*160.68*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.41	173.00
		For Class 52 Rating, Deduct	*-108.93*	
		For Class 54 Rating, Add	*74.27*	
		For Class 55 Rating, Add	*165.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,281.76	174.96
		For Class 52 Rating, Deduct	*-111.83*	
		For Class 54 Rating, Add	*76.25*	
		For Class 55 Rating, Add	*169.48*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.11	176.92
		For Class 52 Rating, Deduct	*-114.74*	
		For Class 54 Rating, Add	*78.23*	
		For Class 55 Rating, Add	*173.88*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.46	178.88
		For Class 52 Rating, Deduct	*-117.64*	
		For Class 54 Rating, Add	*80.21*	
		For Class 55 Rating, Add	*178.27*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,369.82	180.85
		For Class 52 Rating, Deduct	*-120.54*	
		For Class 54 Rating, Add	*82.19*	
		For Class 55 Rating, Add	*182.67*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,399.17	182.80
		For Class 52 Rating, Deduct	*-123.44*	
		For Class 54 Rating, Add	*84.16*	
		For Class 55 Rating, Add	*187.07*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.52	184.77
		For Class 52 Rating, Deduct	*-126.34*	
		For Class 54 Rating, Add	*86.14*	
		For Class 55 Rating, Add	*191.47*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.87	186.72
		For Class 52 Rating, Deduct	*-129.24*	
		For Class 54 Rating, Add	*88.12*	
		For Class 55 Rating, Add	*195.86*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	428.06	141.22
		For Class 52 Rating, Deduct	*-23.55*	
		For Class 54 Rating, Add	*16.06*	
		For Class 55 Rating, Add	*35.69*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	463.51	143.18
		For Class 52 Rating, Deduct	*-27.12*	
		For Class 54 Rating, Add	*18.49*	
		For Class 55 Rating, Add	*41.10*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	498.94	145.15
		For Class 52 Rating, Deduct	*-30.69*	
		For Class 54 Rating, Add	*20.93*	
		For Class 55 Rating, Add	*46.51*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	534.38	147.10
		For Class 52 Rating, Deduct	*-34.26*	
		For Class 54 Rating, Add	*23.36*	
		For Class 55 Rating, Add	*51.93*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	569.82	149.07
		For Class 52 Rating, Deduct	*-37.84*	
		For Class 54 Rating, Add	*25.80*	
		For Class 55 Rating, Add	*57.34*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	605.26	151.03
		For Class 52 Rating, Deduct	*-41.41*	
		For Class 54 Rating, Add	*28.23*	
		For Class 55 Rating, Add	*62.75*	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	640.70	152.99
		For Class 52 Rating, Deduct	*-44.98*	
		For Class 54 Rating, Add	*30.67*	
		For Class 55 Rating, Add	*68.16*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	676.15	154.95
		For Class 52 Rating, Deduct	*-48.55*	
		For Class 54 Rating, Add	*33.10*	
		For Class 55 Rating, Add	*73.58*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	711.59	156.91
		For Class 52 Rating, Deduct	*-52.12*	
		For Class 54 Rating, Add	*35.54*	
		For Class 55 Rating, Add	*78.99*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	747.03	158.87
		For Class 52 Rating, Deduct	*-55.69*	
		For Class 54 Rating, Add	*37.97*	
		For Class 55 Rating, Add	*84.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	782.47	160.84
		For Class 52 Rating, Deduct	*-59.26*	
		For Class 54 Rating, Add	*40.41*	
		For Class 55 Rating, Add	*89.81*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	817.90	162.79
		For Class 52 Rating, Deduct	*-62.84*	
		For Class 54 Rating, Add	*42.84*	
		For Class 55 Rating, Add	*95.23*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	853.35	164.76
		For Class 52 Rating, Deduct	*-66.41*	
		For Class 54 Rating, Add	*45.28*	
		For Class 55 Rating, Add	*100.64*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	888.79	166.72
		For Class 52 Rating, Deduct	*-69.98*	
		For Class 54 Rating, Add	*47.71*	
		For Class 55 Rating, Add	*106.05*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	924.23	168.68
		For Class 52 Rating, Deduct	*-73.55*	
		For Class 54 Rating, Add	*50.15*	
		For Class 55 Rating, Add	*111.46*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	959.67	170.64
		For Class 52 Rating, Deduct	*-77.12*	
		For Class 54 Rating, Add	*52.58*	
		For Class 55 Rating, Add	*116.88*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	995.10	172.61
		For Class 52 Rating, Deduct	*-80.69*	
		For Class 54 Rating, Add	*55.02*	
		For Class 55 Rating, Add	*122.29*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,030.54	174.56
		For Class 52 Rating, Deduct	*-84.27*	
		For Class 54 Rating, Add	*57.45*	
		For Class 55 Rating, Add	*127.70*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.99	176.53
		For Class 52 Rating, Deduct	*-87.84*	
		For Class 54 Rating, Add	*59.89*	
		For Class 55 Rating, Add	*133.11*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.42	178.49
		For Class 52 Rating, Deduct	*-91.41*	
		For Class 54 Rating, Add	*62.32*	
		For Class 55 Rating, Add	*138.53*	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,136.87	180.45
		For Class 52 Rating, Deduct	*-94.98*	
		For Class 54 Rating, Add	*64.76*	
		For Class 55 Rating, Add	*143.94*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,172.32	182.41
		For Class 52 Rating, Deduct	*-98.55*	
		For Class 54 Rating, Add	*67.19*	
		For Class 55 Rating, Add	*149.35*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,207.75	184.37
		For Class 52 Rating, Deduct	*-102.12*	
		For Class 54 Rating, Add	*69.63*	
		For Class 55 Rating, Add	*154.76*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.19	186.33
		For Class 52 Rating, Deduct	*-105.69*	
		For Class 54 Rating, Add	*72.06*	
		For Class 55 Rating, Add	*160.18*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,278.63	188.30
		For Class 52 Rating, Deduct	*-109.27*	
		For Class 54 Rating, Add	*74.50*	
		For Class 55 Rating, Add	*165.59*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,314.07	190.25
		For Class 52 Rating, Deduct	*-112.84*	
		For Class 54 Rating, Add	*76.94*	
		For Class 55 Rating, Add	*171.00*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.51	192.22
		For Class 52 Rating, Deduct	*-116.41*	
		For Class 54 Rating, Add	*79.37*	
		For Class 55 Rating, Add	*176.41*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,384.96	194.18
		For Class 52 Rating, Deduct	*-119.98*	
		For Class 54 Rating, Add	*81.81*	
		For Class 55 Rating, Add	*181.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,420.39	196.14
		For Class 52 Rating, Deduct	*-123.55*	
		For Class 54 Rating, Add	*84.24*	
		For Class 55 Rating, Add	*187.24*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,455.84	198.10
		For Class 52 Rating, Deduct	*-127.12*	
		For Class 54 Rating, Add	*86.68*	
		For Class 55 Rating, Add	*192.65*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,491.26	200.07
		For Class 52 Rating, Deduct	*-130.70*	
		For Class 54 Rating, Add	*89.11*	
		For Class 55 Rating, Add	*198.06*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,526.71	202.02
		For Class 52 Rating, Deduct	*-134.27*	
		For Class 54 Rating, Add	*91.55*	
		For Class 55 Rating, Add	*203.48*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,562.16	203.99
		For Class 52 Rating, Deduct	*-137.84*	
		For Class 54 Rating, Add	*93.98*	
		For Class 55 Rating, Add	*208.89*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.59	205.95
		For Class 52 Rating, Deduct	*-141.41*	
		For Class 54 Rating, Add	*96.42*	
		For Class 55 Rating, Add	*214.30*	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.04	207.91
		For Class 52 Rating, Deduct	*-144.98*	
		For Class 54 Rating, Add	*98.85*	
		For Class 55 Rating, Add	*219.71*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,668.48	209.87
		For Class 52 Rating, Deduct	*-148.55*	
		For Class 54 Rating, Add	*101.29*	
		For Class 55 Rating, Add	*225.13*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.91	211.83
		For Class 52 Rating, Deduct	*-152.12*	
		For Class 54 Rating, Add	*103.72*	
		For Class 55 Rating, Add	*230.54*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,739.35	213.79
		For Class 52 Rating, Deduct	*-155.70*	
		For Class 54 Rating, Add	*106.16*	
		For Class 55 Rating, Add	*235.95*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.80	215.76
		For Class 52 Rating, Deduct	*-159.27*	
		For Class 54 Rating, Add	*108.59*	
		For Class 55 Rating, Add	*241.36*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	585.92	180.45
		For Class 52 Rating, Deduct	*-34.38*	
		For Class 54 Rating, Add	*23.44*	
		For Class 55 Rating, Add	*52.10*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	633.54	182.41
		For Class 52 Rating, Deduct	*-39.29*	
		For Class 54 Rating, Add	*26.79*	
		For Class 55 Rating, Add	*59.54*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.15	184.37
		For Class 52 Rating, Deduct	*-44.20*	
		For Class 54 Rating, Add	*30.14*	
		For Class 55 Rating, Add	*66.98*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	728.77	186.33
		For Class 52 Rating, Deduct	*-49.11*	
		For Class 54 Rating, Add	*33.48*	
		For Class 55 Rating, Add	*74.42*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	776.39	188.30
		For Class 52 Rating, Deduct	*-54.02*	
		For Class 54 Rating, Add	*36.83*	
		For Class 55 Rating, Add	*81.86*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	824.00	190.25
		For Class 52 Rating, Deduct	*-58.93*	
		For Class 54 Rating, Add	*40.18*	
		For Class 55 Rating, Add	*89.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	871.61	192.22
		For Class 52 Rating, Deduct	*-63.84*	
		For Class 54 Rating, Add	*43.53*	
		For Class 55 Rating, Add	*96.75*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	919.24	194.18
		For Class 52 Rating, Deduct	*-68.75*	
		For Class 54 Rating, Add	*46.88*	
		For Class 55 Rating, Add	*104.19*	
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	966.84	196.14
		For Class 52 Rating, Deduct	*-73.66*	
		For Class 54 Rating, Add	*50.22*	
		For Class 55 Rating, Add	*111.63*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,014.47	198.10
		For Class 52 Rating, Deduct	*-78.57*	
		For Class 54 Rating, Add	*53.57*	
		For Class 55 Rating, Add	*119.08*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.07	200.07
		For Class 52 Rating, Deduct	*-83.48*	
		For Class 54 Rating, Add	*56.92*	
		For Class 55 Rating, Add	*126.52*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,109.69	202.02
		For Class 52 Rating, Deduct	*-88.39*	
		For Class 54 Rating, Add	*60.27*	
		For Class 55 Rating, Add	*133.96*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,157.32	203.99
		For Class 52 Rating, Deduct	*-93.31*	
		For Class 54 Rating, Add	*63.62*	
		For Class 55 Rating, Add	*141.40*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,204.92	205.95
		For Class 52 Rating, Deduct	*-98.22*	
		For Class 54 Rating, Add	*66.97*	
		For Class 55 Rating, Add	*148.84*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.55	207.91
		For Class 52 Rating, Deduct	*-103.13*	
		For Class 54 Rating, Add	*70.31*	
		For Class 55 Rating, Add	*156.29*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.16	209.87
		For Class 52 Rating, Deduct	*-108.04*	
		For Class 54 Rating, Add	*73.66*	
		For Class 55 Rating, Add	*163.73*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.78	211.83
		For Class 52 Rating, Deduct	*-112.95*	
		For Class 54 Rating, Add	*77.01*	
		For Class 55 Rating, Add	*171.17*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,395.39	213.79
		For Class 52 Rating, Deduct	*-117.86*	
		For Class 54 Rating, Add	*80.36*	
		For Class 55 Rating, Add	*178.61*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,443.01	215.76
		For Class 52 Rating, Deduct	*-122.77*	
		For Class 54 Rating, Add	*83.71*	
		For Class 55 Rating, Add	*186.05*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.62	217.71
		For Class 52 Rating, Deduct	*-127.68*	
		For Class 54 Rating, Add	*87.06*	
		For Class 55 Rating, Add	*193.50*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.24	219.68
		For Class 52 Rating, Deduct	*-132.59*	
		For Class 54 Rating, Add	*90.40*	
		For Class 55 Rating, Add	*200.94*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,585.85	221.64
		For Class 52 Rating, Deduct	*-137.50*	
		For Class 54 Rating, Add	*93.75*	
		For Class 55 Rating, Add	*208.38*	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.47	223.60
		For Class 52 Rating, Deduct	*-142.41*	
		For Class 54 Rating, Add	*97.10*	
		For Class 55 Rating, Add	*215.82*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,681.09	225.56
		For Class 52 Rating, Deduct	*-147.33*	
		For Class 54 Rating, Add	*100.45*	
		For Class 55 Rating, Add	*223.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,728.70	227.53
		For Class 52 Rating, Deduct	*-152.24*	
		For Class 54 Rating, Add	*103.80*	
		For Class 55 Rating, Add	*230.71*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,776.32	229.48
		For Class 52 Rating, Deduct	*-157.15*	
		For Class 54 Rating, Add	*107.15*	
		For Class 55 Rating, Add	*238.15*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,823.94	231.45
		For Class 52 Rating, Deduct	*-162.06*	
		For Class 54 Rating, Add	*110.49*	
		For Class 55 Rating, Add	*245.59*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,871.55	233.41
		For Class 52 Rating, Deduct	*-166.97*	
		For Class 54 Rating, Add	*113.84*	
		For Class 55 Rating, Add	*253.03*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,919.17	235.37
		For Class 52 Rating, Deduct	*-171.88*	
		For Class 54 Rating, Add	*117.19*	
		For Class 55 Rating, Add	*260.48*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,966.79	237.33
		For Class 52 Rating, Deduct	*-176.79*	
		For Class 54 Rating, Add	*120.54*	
		For Class 55 Rating, Add	*267.92*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,014.39	239.29
		For Class 52 Rating, Deduct	*-181.70*	
		For Class 54 Rating, Add	*123.89*	
		For Class 55 Rating, Add	*275.36*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,062.02	241.25
		For Class 52 Rating, Deduct	*-186.61*	
		For Class 54 Rating, Add	*127.24*	
		For Class 55 Rating, Add	*282.80*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,109.63	243.22
		For Class 52 Rating, Deduct	*-191.52*	
		For Class 54 Rating, Add	*130.58*	
		For Class 55 Rating, Add	*290.24*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,157.25	245.17
		For Class 52 Rating, Deduct	*-196.43*	
		For Class 54 Rating, Add	*133.93*	
		For Class 55 Rating, Add	*297.69*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.87	247.14
		For Class 52 Rating, Deduct	*-201.35*	
		For Class 54 Rating, Add	*137.28*	
		For Class 55 Rating, Add	*305.13*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,252.47	249.10
		For Class 52 Rating, Deduct	*-206.26*	
		For Class 54 Rating, Add	*140.63*	
		For Class 55 Rating, Add	*312.57*	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,300.10	251.06
		For Class 52 Rating, Deduct	*-211.17*	
		For Class 54 Rating, Add	*143.98*	
		For Class 55 Rating, Add	*320.01*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,347.71	253.02
		For Class 52 Rating, Deduct	*-216.08*	
		For Class 54 Rating, Add	*147.33*	
		For Class 55 Rating, Add	*327.46*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,395.33	254.99
		For Class 52 Rating, Deduct	*-220.99*	
		For Class 54 Rating, Add	*150.67*	
		For Class 55 Rating, Add	*334.90*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	732.62	219.68
		For Class 52 Rating, Deduct	*-43.97*	
		For Class 54 Rating, Add	*29.98*	
		For Class 55 Rating, Add	*66.64*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	794.43	221.64
		For Class 52 Rating, Deduct	*-50.45*	
		For Class 54 Rating, Add	*34.40*	
		For Class 55 Rating, Add	*76.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	856.26	223.60
		For Class 52 Rating, Deduct	*-56.92*	
		For Class 54 Rating, Add	*38.81*	
		For Class 55 Rating, Add	*86.26*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	918.09	225.56
		For Class 52 Rating, Deduct	*-63.40*	
		For Class 54 Rating, Add	*43.22*	
		For Class 55 Rating, Add	*96.07*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.89	227.53
		For Class 52 Rating, Deduct	*-69.87*	
		For Class 54 Rating, Add	*47.64*	
		For Class 55 Rating, Add	*105.88*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,041.72	229.48
		For Class 52 Rating, Deduct	*-76.34*	
		For Class 54 Rating, Add	*52.05*	
		For Class 55 Rating, Add	*115.69*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,103.54	231.45
		For Class 52 Rating, Deduct	*-82.81*	
		For Class 54 Rating, Add	*56.46*	
		For Class 55 Rating, Add	*125.50*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,165.36	233.41
		For Class 52 Rating, Deduct	*-89.29*	
		For Class 54 Rating, Add	*60.88*	
		For Class 55 Rating, Add	*135.31*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,227.18	235.37
		For Class 52 Rating, Deduct	*-95.76*	
		For Class 54 Rating, Add	*65.29*	
		For Class 55 Rating, Add	*145.12*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,289.01	237.33
		For Class 52 Rating, Deduct	*-102.24*	
		For Class 54 Rating, Add	*69.71*	
		For Class 55 Rating, Add	*154.93*	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.82	239.29
		For Class 52 Rating, Deduct	*-108.71*	
		For Class 54 Rating, Add	*74.12*	
		For Class 55 Rating, Add	*164.74*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,412.65	241.25
		For Class 52 Rating, Deduct	*-115.18*	
		For Class 54 Rating, Add	*78.53*	
		For Class 55 Rating, Add	*174.55*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,474.47	243.22
		For Class 52 Rating, Deduct	*-121.66*	
		For Class 54 Rating, Add	*82.95*	
		For Class 55 Rating, Add	*184.36*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,536.29	245.17
		For Class 52 Rating, Deduct	*-128.13*	
		For Class 54 Rating, Add	*87.36*	
		For Class 55 Rating, Add	*194.17*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,598.12	247.14
		For Class 52 Rating, Deduct	*-134.60*	
		For Class 54 Rating, Add	*91.77*	
		For Class 55 Rating, Add	*203.98*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.92	249.10
		For Class 52 Rating, Deduct	*-141.08*	
		For Class 54 Rating, Add	*96.19*	
		For Class 55 Rating, Add	*213.79*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,721.75	251.06
		For Class 52 Rating, Deduct	*-147.55*	
		For Class 54 Rating, Add	*100.60*	
		For Class 55 Rating, Add	*223.60*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,783.57	253.02
		For Class 52 Rating, Deduct	*-154.02*	
		For Class 54 Rating, Add	*105.02*	
		For Class 55 Rating, Add	*233.41*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.39	254.99
		For Class 52 Rating, Deduct	*-160.50*	
		For Class 54 Rating, Add	*109.43*	
		For Class 55 Rating, Add	*243.22*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,907.21	256.94
		For Class 52 Rating, Deduct	*-166.97*	
		For Class 54 Rating, Add	*113.84*	
		For Class 55 Rating, Add	*253.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.04	258.91
		For Class 52 Rating, Deduct	*-173.44*	
		For Class 54 Rating, Add	*118.26*	
		For Class 55 Rating, Add	*262.84*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,030.85	260.87
		For Class 52 Rating, Deduct	*-179.92*	
		For Class 54 Rating, Add	*122.67*	
		For Class 55 Rating, Add	*272.65*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.68	262.83
		For Class 52 Rating, Deduct	*-186.39*	
		For Class 54 Rating, Add	*127.08*	
		For Class 55 Rating, Add	*282.46*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.50	264.79
		For Class 52 Rating, Deduct	*-192.86*	
		For Class 54 Rating, Add	*131.50*	
		For Class 55 Rating, Add	*292.28*	
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.32	266.76
		For Class 52 Rating, Deduct	*-199.34*	
		For Class 54 Rating, Add	*135.91*	
		For Class 55 Rating, Add	*302.09*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,278.15	268.71
		For Class 52 Rating, Deduct	*-205.81*	
		For Class 54 Rating, Add	*140.33*	
		For Class 55 Rating, Add	*311.90*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.97	270.68
		For Class 52 Rating, Deduct	*-212.28*	
		For Class 54 Rating, Add	*144.74*	
		For Class 55 Rating, Add	*321.71*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,401.78	272.63
		For Class 52 Rating, Deduct	*-218.76*	
		For Class 54 Rating, Add	*149.15*	
		For Class 55 Rating, Add	*331.51*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,463.60	274.60
		For Class 52 Rating, Deduct	*-225.23*	
		For Class 54 Rating, Add	*153.57*	
		For Class 55 Rating, Add	*341.32*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,525.42	276.56
		For Class 52 Rating, Deduct	*-231.70*	
		For Class 54 Rating, Add	*157.98*	
		For Class 55 Rating, Add	*351.14*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,587.24	278.52
		For Class 52 Rating, Deduct	*-238.18*	
		For Class 54 Rating, Add	*162.39*	
		For Class 55 Rating, Add	*360.95*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.07	280.48
		For Class 52 Rating, Deduct	*-244.65*	
		For Class 54 Rating, Add	*166.81*	
		For Class 55 Rating, Add	*370.76*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.88	282.45
		For Class 52 Rating, Deduct	*-251.12*	
		For Class 54 Rating, Add	*171.22*	
		For Class 55 Rating, Add	*380.57*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,772.71	284.40
		For Class 52 Rating, Deduct	*-257.60*	
		For Class 54 Rating, Add	*175.63*	
		For Class 55 Rating, Add	*390.38*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,834.53	286.37
		For Class 52 Rating, Deduct	*-264.07*	
		For Class 54 Rating, Add	*180.05*	
		For Class 55 Rating, Add	*400.19*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.35	288.33
		For Class 52 Rating, Deduct	*-270.54*	
		For Class 54 Rating, Add	*184.46*	
		For Class 55 Rating, Add	*410.00*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,958.18	290.29
		For Class 52 Rating, Deduct	*-277.02*	
		For Class 54 Rating, Add	*188.88*	
		For Class 55 Rating, Add	*419.81*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,020.00	292.25
		For Class 52 Rating, Deduct	*-283.49*	
		For Class 54 Rating, Add	*193.29*	
		For Class 55 Rating, Add	*429.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,081.81	294.22
		For Class 52 Rating, Deduct	*-289.96*	
		For Class 54 Rating, Add	*197.70*	
		For Class 55 Rating, Add	*439.43*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	945.70	274.60
		For Class 52 Rating, Deduct	*-58.26*	
		For Class 54 Rating, Add	*39.72*	
		For Class 55 Rating, Add	*88.29*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.74	276.56
		For Class 52 Rating, Deduct	*-66.41*	
		For Class 54 Rating, Add	*45.28*	
		For Class 55 Rating, Add	*100.64*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.78	278.52
		For Class 52 Rating, Deduct	*-74.56*	
		For Class 54 Rating, Add	*50.83*	
		For Class 55 Rating, Add	*112.99*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.83	280.48
		For Class 52 Rating, Deduct	*-82.70*	
		For Class 54 Rating, Add	*56.39*	
		For Class 55 Rating, Add	*125.33*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,253.86	282.45
		For Class 52 Rating, Deduct	*-90.85*	
		For Class 54 Rating, Add	*61.94*	
		For Class 55 Rating, Add	*137.68*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.91	284.40
		For Class 52 Rating, Deduct	*-99.00*	
		For Class 54 Rating, Add	*67.50*	
		For Class 55 Rating, Add	*150.03*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,407.94	286.37
		For Class 52 Rating, Deduct	*-107.15*	
		For Class 54 Rating, Add	*73.05*	
		For Class 55 Rating, Add	*162.37*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,484.98	288.33
		For Class 52 Rating, Deduct	*-115.29*	
		For Class 54 Rating, Add	*78.61*	
		For Class 55 Rating, Add	*174.72*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,562.03	290.29
		For Class 52 Rating, Deduct	*-123.44*	
		For Class 54 Rating, Add	*84.16*	
		For Class 55 Rating, Add	*187.07*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,639.07	292.25
		For Class 52 Rating, Deduct	*-131.59*	
		For Class 54 Rating, Add	*89.72*	
		For Class 55 Rating, Add	*199.42*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,716.11	294.22
		For Class 52 Rating, Deduct	*-139.74*	
		For Class 54 Rating, Add	*95.27*	
		For Class 55 Rating, Add	*211.76*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,793.15	296.17
		For Class 52 Rating, Deduct	*-147.88*	
		For Class 54 Rating, Add	*100.83*	
		For Class 55 Rating, Add	*224.11*	
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,870.20	298.14
		For Class 52 Rating, Deduct	*-156.03*	
		For Class 54 Rating, Add	*106.39*	
		For Class 55 Rating, Add	*236.46*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.23	300.09
		For Class 52 Rating, Deduct	*-164.18*	
		For Class 54 Rating, Add	*111.94*	
		For Class 55 Rating, Add	*248.81*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.27	302.06
		For Class 52 Rating, Deduct	*-172.33*	
		For Class 54 Rating, Add	*117.50*	
		For Class 55 Rating, Add	*261.15*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,101.30	304.02
		For Class 52 Rating, Deduct	*-180.47*	
		For Class 54 Rating, Add	*123.05*	
		For Class 55 Rating, Add	*273.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.35	305.98
		For Class 52 Rating, Deduct	*-188.62*	
		For Class 54 Rating, Add	*128.61*	
		For Class 55 Rating, Add	*285.85*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,255.39	307.94
		For Class 52 Rating, Deduct	*-196.77*	
		For Class 54 Rating, Add	*134.16*	
		For Class 55 Rating, Add	*298.19*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.43	309.91
		For Class 52 Rating, Deduct	*-204.92*	
		For Class 54 Rating, Add	*139.72*	
		For Class 55 Rating, Add	*310.54*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,409.48	311.86
		For Class 52 Rating, Deduct	*-213.06*	
		For Class 54 Rating, Add	*145.27*	
		For Class 55 Rating, Add	*322.89*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,486.52	313.83
		For Class 52 Rating, Deduct	*-221.21*	
		For Class 54 Rating, Add	*150.83*	
		For Class 55 Rating, Add	*335.24*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.56	315.79
		For Class 52 Rating, Deduct	*-229.36*	
		For Class 54 Rating, Add	*156.38*	
		For Class 55 Rating, Add	*347.58*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.59	317.75
		For Class 52 Rating, Deduct	*-237.51*	
		For Class 54 Rating, Add	*161.94*	
		For Class 55 Rating, Add	*359.93*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.64	319.71
		For Class 52 Rating, Deduct	*-245.65*	
		For Class 54 Rating, Add	*167.49*	
		For Class 55 Rating, Add	*372.28*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,794.67	321.68
		For Class 52 Rating, Deduct	*-253.80*	
		For Class 54 Rating, Add	*173.05*	
		For Class 55 Rating, Add	*384.63*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,871.72	323.63
		For Class 52 Rating, Deduct	*-261.95*	
		For Class 54 Rating, Add	*178.60*	
		For Class 55 Rating, Add	*396.97*	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,948.75	325.60
		For Class 52 Rating, Deduct	*-270.10*	
		For Class 54 Rating, Add	*184.16*	
		For Class 55 Rating, Add	*409.32*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,025.80	327.55
		For Class 52 Rating, Deduct	*-278.25*	
		For Class 54 Rating, Add	*189.71*	
		For Class 55 Rating, Add	*421.67*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,102.84	329.52
		For Class 52 Rating, Deduct	*-286.39*	
		For Class 54 Rating, Add	*195.27*	
		For Class 55 Rating, Add	*434.02*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,179.88	331.48
		For Class 52 Rating, Deduct	*-294.54*	
		For Class 54 Rating, Add	*200.82*	
		For Class 55 Rating, Add	*446.36*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,256.91	333.44
		For Class 52 Rating, Deduct	*-302.69*	
		For Class 54 Rating, Add	*206.38*	
		For Class 55 Rating, Add	*458.71*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,333.96	335.40
		For Class 52 Rating, Deduct	*-310.83*	
		For Class 54 Rating, Add	*211.93*	
		For Class 55 Rating, Add	*471.06*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,411.00	337.37
		For Class 52 Rating, Deduct	*-318.98*	
		For Class 54 Rating, Add	*217.49*	
		For Class 55 Rating, Add	*483.40*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,488.04	339.32
		For Class 52 Rating, Deduct	*-327.13*	
		For Class 54 Rating, Add	*223.04*	
		For Class 55 Rating, Add	*495.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,565.09	341.29
		For Class 52 Rating, Deduct	*-335.28*	
		For Class 54 Rating, Add	*228.60*	
		For Class 55 Rating, Add	*508.10*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,642.12	343.25
		For Class 52 Rating, Deduct	*-343.43*	
		For Class 54 Rating, Add	*234.15*	
		For Class 55 Rating, Add	*520.45*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.17	345.21
		For Class 52 Rating, Deduct	*-351.57*	
		For Class 54 Rating, Add	*239.71*	
		For Class 55 Rating, Add	*532.79*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,796.20	347.17
		For Class 52 Rating, Deduct	*-359.72*	
		For Class 54 Rating, Add	*245.26*	
		For Class 55 Rating, Add	*545.14*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.24	349.14
		For Class 52 Rating, Deduct	*-367.87*	
		For Class 54 Rating, Add	*250.82*	
		For Class 55 Rating, Add	*557.49*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.69	329.52
		For Class 52 Rating, Deduct	*-87.06*	
		For Class 54 Rating, Add	*59.36*	
		For Class 55 Rating, Add	*131.93*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.96	331.48
		For Class 52 Rating, Deduct	*-96.99*	
		For Class 54 Rating, Add	*66.13*	
		For Class 55 Rating, Add	*146.98*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.24	333.44
		For Class 52 Rating, Deduct	*-106.92*	
		For Class 54 Rating, Add	*72.90*	
		For Class 55 Rating, Add	*162.04*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,570.52	335.40
		For Class 52 Rating, Deduct	*-116.86*	
		For Class 54 Rating, Add	*79.67*	
		For Class 55 Rating, Add	*177.09*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,663.79	337.37
		For Class 52 Rating, Deduct	*-126.79*	
		For Class 54 Rating, Add	*86.45*	
		For Class 55 Rating, Add	*192.14*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,757.06	339.32
		For Class 52 Rating, Deduct	*-136.72*	
		For Class 54 Rating, Add	*93.22*	
		For Class 55 Rating, Add	*207.20*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.35	341.29
		For Class 52 Rating, Deduct	*-146.66*	
		For Class 54 Rating, Add	*99.99*	
		For Class 55 Rating, Add	*222.25*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.61	343.25
		For Class 52 Rating, Deduct	*-156.59*	
		For Class 54 Rating, Add	*106.77*	
		For Class 55 Rating, Add	*237.30*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,036.89	345.21
		For Class 52 Rating, Deduct	*-166.52*	
		For Class 54 Rating, Add	*113.54*	
		For Class 55 Rating, Add	*252.36*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,130.17	347.17
		For Class 52 Rating, Deduct	*-176.46*	
		For Class 54 Rating, Add	*120.31*	
		For Class 55 Rating, Add	*267.41*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,223.44	349.14
		For Class 52 Rating, Deduct	*-186.39*	
		For Class 54 Rating, Add	*127.08*	
		For Class 55 Rating, Add	*282.46*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,316.71	351.09
		For Class 52 Rating, Deduct	*-196.32*	
		For Class 54 Rating, Add	*133.86*	
		For Class 55 Rating, Add	*297.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,409.98	353.06
		For Class 52 Rating, Deduct	*-206.26*	
		For Class 54 Rating, Add	*140.63*	
		For Class 55 Rating, Add	*312.57*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,503.26	355.01
		For Class 52 Rating, Deduct	*-216.19*	
		For Class 54 Rating, Add	*147.40*	
		For Class 55 Rating, Add	*327.63*	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,596.54	356.98
		For Class 52 Rating, Deduct	*-226.12*	
		For Class 54 Rating, Add	*154.17*	
		For Class 55 Rating, Add	*342.68*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,689.81	358.94
		For Class 52 Rating, Deduct	*-236.06*	
		For Class 54 Rating, Add	*160.95*	
		For Class 55 Rating, Add	*357.73*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,783.09	360.90
		For Class 52 Rating, Deduct	*-245.99*	
		For Class 54 Rating, Add	*167.72*	
		For Class 55 Rating, Add	*372.79*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.37	362.86
		For Class 52 Rating, Deduct	*-255.92*	
		For Class 54 Rating, Add	*174.49*	
		For Class 55 Rating, Add	*387.84*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,969.63	364.83
		For Class 52 Rating, Deduct	*-265.86*	
		For Class 54 Rating, Add	*181.27*	
		For Class 55 Rating, Add	*402.89*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,062.92	366.78
		For Class 52 Rating, Deduct	*-275.79*	
		For Class 54 Rating, Add	*188.04*	
		For Class 55 Rating, Add	*417.95*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.19	368.75
		For Class 52 Rating, Deduct	*-285.72*	
		For Class 54 Rating, Add	*194.81*	
		For Class 55 Rating, Add	*433.00*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,249.46	370.71
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*201.58*	
		For Class 55 Rating, Add	*448.05*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,342.73	372.67
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*208.36*	
		For Class 55 Rating, Add	*463.11*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,436.02	374.63
		For Class 52 Rating, Deduct	*-315.52*	
		For Class 54 Rating, Add	*215.13*	
		For Class 55 Rating, Add	*478.16*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,529.28	376.60
		For Class 52 Rating, Deduct	*-325.46*	
		For Class 54 Rating, Add	*221.90*	
		For Class 55 Rating, Add	*493.21*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,622.56	378.55
		For Class 52 Rating, Deduct	*-335.39*	
		For Class 54 Rating, Add	*228.67*	
		For Class 55 Rating, Add	*508.27*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,715.84	380.52
		For Class 52 Rating, Deduct	*-345.32*	
		For Class 54 Rating, Add	*235.45*	
		For Class 55 Rating, Add	*523.32*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,809.11	382.47
		For Class 52 Rating, Deduct	*-355.26*	
		For Class 54 Rating, Add	*242.22*	
		For Class 55 Rating, Add	*538.37*	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,902.39	384.44
		For Class 52 Rating, Deduct	*-365.19*	
		For Class 54 Rating, Add	*248.99*	
		For Class 55 Rating, Add	*553.43*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,995.65	386.40
		For Class 52 Rating, Deduct	*-375.12*	
		For Class 54 Rating, Add	*255.77*	
		For Class 55 Rating, Add	*568.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,088.94	388.36
		For Class 52 Rating, Deduct	*-385.06*	
		For Class 54 Rating, Add	*262.54*	
		For Class 55 Rating, Add	*583.54*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,182.21	390.32
		For Class 52 Rating, Deduct	*-394.99*	
		For Class 54 Rating, Add	*269.31*	
		For Class 55 Rating, Add	*598.59*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,275.48	392.29
		For Class 52 Rating, Deduct	*-404.92*	
		For Class 54 Rating, Add	*276.08*	
		For Class 55 Rating, Add	*613.64*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,368.76	394.24
		For Class 52 Rating, Deduct	*-414.86*	
		For Class 54 Rating, Add	*282.86*	
		For Class 55 Rating, Add	*628.70*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,462.04	396.21
		For Class 52 Rating, Deduct	*-424.79*	
		For Class 54 Rating, Add	*289.63*	
		For Class 55 Rating, Add	*643.75*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,555.30	398.17
		For Class 52 Rating, Deduct	*-434.72*	
		For Class 54 Rating, Add	*296.40*	
		For Class 55 Rating, Add	*658.80*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,648.59	400.13
		For Class 52 Rating, Deduct	*-444.66*	
		For Class 54 Rating, Add	*303.17*	
		For Class 55 Rating, Add	*673.86*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,741.86	402.09
		For Class 52 Rating, Deduct	*-454.59*	
		For Class 54 Rating, Add	*309.95*	
		For Class 55 Rating, Add	*688.91*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,507.10	376.60
		For Class 52 Rating, Deduct	*-103.02*	
		For Class 54 Rating, Add	*70.24*	
		For Class 55 Rating, Add	*156.12*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.61	378.55
		For Class 52 Rating, Deduct	*-114.62*	
		For Class 54 Rating, Add	*78.15*	
		For Class 55 Rating, Add	*173.71*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.10	380.52
		For Class 52 Rating, Deduct	*-126.23*	
		For Class 54 Rating, Add	*86.07*	
		For Class 55 Rating, Add	*191.30*	
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,832.59	382.47
		For Class 52 Rating, Deduct	*-137.84*	
		For Class 54 Rating, Add	*93.98*	
		For Class 55 Rating, Add	*208.89*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.09	384.44
		For Class 52 Rating, Deduct	*-149.45*	
		For Class 54 Rating, Add	*101.90*	
		For Class 55 Rating, Add	*226.48*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,049.58	386.40
		For Class 52 Rating, Deduct	*-161.05*	
		For Class 54 Rating, Add	*109.81*	
		For Class 55 Rating, Add	*244.07*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.08	388.36
		For Class 52 Rating, Deduct	*-172.66*	
		For Class 54 Rating, Add	*117.72*	
		For Class 55 Rating, Add	*261.66*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,266.57	390.32
		For Class 52 Rating, Deduct	*-184.27*	
		For Class 54 Rating, Add	*125.64*	
		For Class 55 Rating, Add	*279.25*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.06	392.29
		For Class 52 Rating, Deduct	*-195.88*	
		For Class 54 Rating, Add	*133.55*	
		For Class 55 Rating, Add	*296.84*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,473.41	394.24
		For Class 52 Rating, Deduct	*-206.37*	
		For Class 54 Rating, Add	*140.71*	
		For Class 55 Rating, Add	*312.74*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.06	396.21
		For Class 52 Rating, Deduct	*-219.09*	
		For Class 54 Rating, Add	*149.38*	
		For Class 55 Rating, Add	*332.02*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,700.54	398.17
		For Class 52 Rating, Deduct	*-230.70*	
		For Class 54 Rating, Add	*157.29*	
		For Class 55 Rating, Add	*349.61*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,809.04	400.13
		For Class 52 Rating, Deduct	*-242.31*	
		For Class 54 Rating, Add	*165.21*	
		For Class 55 Rating, Add	*367.20*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,917.54	402.09
		For Class 52 Rating, Deduct	*-253.91*	
		For Class 54 Rating, Add	*173.12*	
		For Class 55 Rating, Add	*384.80*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.03	404.06
		For Class 52 Rating, Deduct	*-265.52*	
		For Class 54 Rating, Add	*181.04*	
		For Class 55 Rating, Add	*402.39*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,134.53	406.01
		For Class 52 Rating, Deduct	*-277.13*	
		For Class 54 Rating, Add	*188.95*	
		For Class 55 Rating, Add	*419.98*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,243.01	407.98
		For Class 52 Rating, Deduct	*-288.74*	
		For Class 54 Rating, Add	*196.87*	
		For Class 55 Rating, Add	*437.57*	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,351.52	409.93
		For Class 52 Rating, Deduct	*-300.34*	
		For Class 54 Rating, Add	*204.78*	
		For Class 55 Rating, Add	*455.16*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,460.01	411.90
		For Class 52 Rating, Deduct	*-311.95*	
		For Class 54 Rating, Add	*212.69*	
		For Class 55 Rating, Add	*472.75*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.50	413.86
		For Class 52 Rating, Deduct	*-323.56*	
		For Class 54 Rating, Add	*220.61*	
		For Class 55 Rating, Add	*490.34*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,676.99	415.82
		For Class 52 Rating, Deduct	*-335.17*	
		For Class 54 Rating, Add	*228.52*	
		For Class 55 Rating, Add	*507.93*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,785.50	417.78
		For Class 52 Rating, Deduct	*-346.77*	
		For Class 54 Rating, Add	*236.44*	
		For Class 55 Rating, Add	*525.52*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,893.98	419.75
		For Class 52 Rating, Deduct	*-358.38*	
		For Class 54 Rating, Add	*244.35*	
		For Class 55 Rating, Add	*543.11*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,002.48	421.70
		For Class 52 Rating, Deduct	*-369.99*	
		For Class 54 Rating, Add	*252.26*	
		For Class 55 Rating, Add	*560.70*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,110.98	423.67
		For Class 52 Rating, Deduct	*-381.60*	
		For Class 54 Rating, Add	*260.18*	
		For Class 55 Rating, Add	*578.29*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,219.47	425.63
		For Class 52 Rating, Deduct	*-393.20*	
		For Class 54 Rating, Add	*268.09*	
		For Class 55 Rating, Add	*595.88*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,327.97	427.59
		For Class 52 Rating, Deduct	*-404.81*	
		For Class 54 Rating, Add	*276.01*	
		For Class 55 Rating, Add	*613.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,436.45	429.55
		For Class 52 Rating, Deduct	*-416.42*	
		For Class 54 Rating, Add	*283.92*	
		For Class 55 Rating, Add	*631.06*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,544.95	431.52
		For Class 52 Rating, Deduct	*-428.03*	
		For Class 54 Rating, Add	*291.84*	
		For Class 55 Rating, Add	*648.65*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,653.45	433.47
		For Class 52 Rating, Deduct	*-439.63*	
		For Class 54 Rating, Add	*299.75*	
		For Class 55 Rating, Add	*666.24*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,761.94	435.44
		For Class 52 Rating, Deduct	*-451.24*	
		For Class 54 Rating, Add	*307.66*	
		For Class 55 Rating, Add	*683.84*	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,870.43	437.39
		For Class 52 Rating, Deduct	*-462.85*	
		For Class 54 Rating, Add	*315.58*	
		For Class 55 Rating, Add	*701.43*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,978.93	439.36
		For Class 52 Rating, Deduct	*-474.46*	
		For Class 54 Rating, Add	*323.49*	
		For Class 55 Rating, Add	*719.02*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,087.42	441.32
		For Class 52 Rating, Deduct	*-486.06*	
		For Class 54 Rating, Add	*331.41*	
		For Class 55 Rating, Add	*736.61*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,195.92	443.28
		For Class 52 Rating, Deduct	*-497.67*	
		For Class 54 Rating, Add	*339.32*	
		For Class 55 Rating, Add	*754.20*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,304.41	445.24
		For Class 52 Rating, Deduct	*-509.28*	
		For Class 54 Rating, Add	*347.24*	
		For Class 55 Rating, Add	*771.79*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,412.90	447.21
		For Class 52 Rating, Deduct	*-520.89*	
		For Class 54 Rating, Add	*355.15*	
		For Class 55 Rating, Add	*789.38*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,521.41	449.16
		For Class 52 Rating, Deduct	*-532.49*	
		For Class 54 Rating, Add	*363.06*	
		For Class 55 Rating, Add	*806.97*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,754.14	424.46
		For Class 52 Rating, Deduct	*-122.21*	
		For Class 54 Rating, Add	*83.33*	
		For Class 55 Rating, Add	*185.21*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.87	426.41
		For Class 52 Rating, Deduct	*-135.61*	
		For Class 54 Rating, Add	*92.46*	
		For Class 55 Rating, Add	*205.51*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,003.59	428.38
		For Class 52 Rating, Deduct	*-149.00*	
		For Class 54 Rating, Add	*101.59*	
		For Class 55 Rating, Add	*225.80*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.33	430.34
		For Class 52 Rating, Deduct	*-162.39*	
		For Class 54 Rating, Add	*110.72*	
		For Class 55 Rating, Add	*246.10*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.06	432.30
		For Class 52 Rating, Deduct	*-175.79*	
		For Class 54 Rating, Add	*119.85*	
		For Class 55 Rating, Add	*266.40*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,377.78	434.26
		For Class 52 Rating, Deduct	*-189.18*	
		For Class 54 Rating, Add	*128.99*	
		For Class 55 Rating, Add	*286.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,502.51	436.23
		For Class 52 Rating, Deduct	*-202.57*	
		For Class 54 Rating, Add	*138.12*	
		For Class 55 Rating, Add	*306.99*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,627.24	438.18
		For Class 52 Rating, Deduct	*-215.97*	
		For Class 54 Rating, Add	*147.25*	
		For Class 55 Rating, Add	*327.29*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,751.98	440.15
		For Class 52 Rating, Deduct	*-229.36*	
		For Class 54 Rating, Add	*156.38*	
		For Class 55 Rating, Add	*347.58*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.69	442.10
		For Class 52 Rating, Deduct	*-242.75*	
		For Class 54 Rating, Add	*165.51*	
		For Class 55 Rating, Add	*367.88*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,001.43	444.07
		For Class 52 Rating, Deduct	*-256.15*	
		For Class 54 Rating, Add	*174.65*	
		For Class 55 Rating, Add	*388.18*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,126.16	446.03
		For Class 52 Rating, Deduct	*-269.54*	
		For Class 54 Rating, Add	*183.78*	
		For Class 55 Rating, Add	*408.48*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,250.88	447.99
		For Class 52 Rating, Deduct	*-282.93*	
		For Class 54 Rating, Add	*192.91*	
		For Class 55 Rating, Add	*428.77*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,375.61	449.95
		For Class 52 Rating, Deduct	*-296.33*	
		For Class 54 Rating, Add	*202.04*	
		For Class 55 Rating, Add	*449.07*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.35	451.92
		For Class 52 Rating, Deduct	*-309.72*	
		For Class 54 Rating, Add	*211.17*	
		For Class 55 Rating, Add	*469.37*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,625.06	453.87
		For Class 52 Rating, Deduct	*-323.11*	
		For Class 54 Rating, Add	*220.30*	
		For Class 55 Rating, Add	*489.66*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,749.80	455.84
		For Class 52 Rating, Deduct	*-336.51*	
		For Class 54 Rating, Add	*229.44*	
		For Class 55 Rating, Add	*509.96*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,874.54	457.80
		For Class 52 Rating, Deduct	*-349.90*	
		For Class 54 Rating, Add	*238.57*	
		For Class 55 Rating, Add	*530.26*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,999.25	459.76
		For Class 52 Rating, Deduct	*-363.29*	
		For Class 54 Rating, Add	*247.70*	
		For Class 55 Rating, Add	*550.55*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,123.99	461.72
		For Class 52 Rating, Deduct	*-376.69*	
		For Class 54 Rating, Add	*256.83*	
		For Class 55 Rating, Add	*570.85*	
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,248.71	463.69
		For Class 52 Rating, Deduct	*-390.08*	
		For Class 54 Rating, Add	*265.96*	
		For Class 55 Rating, Add	*591.15*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,373.44	465.64
		For Class 52 Rating, Deduct	*-403.47*	
		For Class 54 Rating, Add	*275.09*	
		For Class 55 Rating, Add	*611.44*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,498.17	467.61
		For Class 52 Rating, Deduct	*-416.86*	
		For Class 54 Rating, Add	*284.23*	
		For Class 55 Rating, Add	*631.74*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,622.90	469.56
		For Class 52 Rating, Deduct	*-430.26*	
		For Class 54 Rating, Add	*293.36*	
		For Class 55 Rating, Add	*652.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,747.62	471.53
		For Class 52 Rating, Deduct	*-443.65*	
		For Class 54 Rating, Add	*302.49*	
		For Class 55 Rating, Add	*672.33*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.36	473.49
		For Class 52 Rating, Deduct	*-457.04*	
		For Class 54 Rating, Add	*311.62*	
		For Class 55 Rating, Add	*692.63*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.08	475.45
		For Class 52 Rating, Deduct	*-470.44*	
		For Class 54 Rating, Add	*320.75*	
		For Class 55 Rating, Add	*712.93*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,121.81	477.41
		For Class 52 Rating, Deduct	*-483.83*	
		For Class 54 Rating, Add	*329.88*	
		For Class 55 Rating, Add	*733.22*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,246.55	479.38
		For Class 52 Rating, Deduct	*-497.22*	
		For Class 54 Rating, Add	*339.02*	
		For Class 55 Rating, Add	*753.52*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,371.27	481.33
		For Class 52 Rating, Deduct	*-510.62*	
		For Class 54 Rating, Add	*348.15*	
		For Class 55 Rating, Add	*773.82*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,496.00	483.30
		For Class 52 Rating, Deduct	*-524.01*	
		For Class 54 Rating, Add	*357.28*	
		For Class 55 Rating, Add	*794.11*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.72	485.26
		For Class 52 Rating, Deduct	*-537.40*	
		For Class 54 Rating, Add	*366.41*	
		For Class 55 Rating, Add	*814.41*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,745.46	487.22
		For Class 52 Rating, Deduct	*-550.80*	
		For Class 54 Rating, Add	*375.54*	
		For Class 55 Rating, Add	*834.71*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,870.19	489.18
		For Class 52 Rating, Deduct	*-564.19*	
		For Class 54 Rating, Add	*384.68*	
		For Class 55 Rating, Add	*855.01*	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,994.91	491.15
		For Class 52 Rating, Deduct	*-577.58*	
		For Class 54 Rating, Add	*393.81*	
		For Class 55 Rating, Add	*875.30*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,119.64	493.10
		For Class 52 Rating, Deduct	*-590.98*	
		For Class 54 Rating, Add	*402.94*	
		For Class 55 Rating, Add	*895.60*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,244.38	495.07
		For Class 52 Rating, Deduct	*-604.37*	
		For Class 54 Rating, Add	*412.07*	
		For Class 55 Rating, Add	*915.90*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,369.09	497.02
		For Class 52 Rating, Deduct	*-617.76*	
		For Class 54 Rating, Add	*421.20*	
		For Class 55 Rating, Add	*936.19*	
40 05 19 00-0872		**20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-0554)*		
40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.76	484.47
		For Class 52 Rating, Deduct	*-142.75*	
		For Class 54 Rating, Add	*97.33*	
		For Class 55 Rating, Add	*216.33*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,174.76	486.44
		For Class 52 Rating, Deduct	*-158.15*	
		For Class 54 Rating, Add	*107.83*	
		For Class 55 Rating, Add	*239.67*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,317.76	488.39
		For Class 52 Rating, Deduct	*-173.55*	
		For Class 54 Rating, Add	*118.33*	
		For Class 55 Rating, Add	*263.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.75	490.36
		For Class 52 Rating, Deduct	*-188.96*	
		For Class 54 Rating, Add	*128.83*	
		For Class 55 Rating, Add	*286.36*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,603.75	492.31
		For Class 52 Rating, Deduct	*-204.36*	
		For Class 54 Rating, Add	*139.34*	
		For Class 55 Rating, Add	*309.70*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,746.74	494.28
		For Class 52 Rating, Deduct	*-219.76*	
		For Class 54 Rating, Add	*149.84*	
		For Class 55 Rating, Add	*333.04*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,889.73	496.24
		For Class 52 Rating, Deduct	*-235.16*	
		For Class 54 Rating, Add	*160.34*	
		For Class 55 Rating, Add	*356.38*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.72	498.20
		For Class 52 Rating, Deduct	*-250.57*	
		For Class 54 Rating, Add	*170.84*	
		For Class 55 Rating, Add	*379.72*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,175.72	500.16
		For Class 52 Rating, Deduct	*-265.97*	
		For Class 54 Rating, Add	*181.34*	
		For Class 55 Rating, Add	*403.06*	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,318.70	502.13
		For Class 52 Rating, Deduct	*-281.37*	
		For Class 54 Rating, Add	*191.84*	
		For Class 55 Rating, Add	*426.40*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.70	504.08
		For Class 52 Rating, Deduct	*-296.77*	
		For Class 54 Rating, Add	*202.34*	
		For Class 55 Rating, Add	*449.74*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,604.69	506.05
		For Class 52 Rating, Deduct	*-312.17*	
		For Class 54 Rating, Add	*212.85*	
		For Class 55 Rating, Add	*473.09*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,747.68	508.01
		For Class 52 Rating, Deduct	*-327.58*	
		For Class 54 Rating, Add	*223.35*	
		For Class 55 Rating, Add	*496.43*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,890.67	509.97
		For Class 52 Rating, Deduct	*-342.98*	
		For Class 54 Rating, Add	*233.85*	
		For Class 55 Rating, Add	*519.77*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,033.66	511.93
		For Class 52 Rating, Deduct	*-358.38*	
		For Class 54 Rating, Add	*244.35*	
		For Class 55 Rating, Add	*543.11*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,176.66	513.90
		For Class 52 Rating, Deduct	*-373.78*	
		For Class 54 Rating, Add	*254.85*	
		For Class 55 Rating, Add	*566.45*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,319.65	515.85
		For Class 52 Rating, Deduct	*-389.19*	
		For Class 54 Rating, Add	*265.35*	
		For Class 55 Rating, Add	*589.79*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,462.64	517.82
		For Class 52 Rating, Deduct	*-404.59*	
		For Class 54 Rating, Add	*275.86*	
		For Class 55 Rating, Add	*613.13*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,605.63	519.77
		For Class 52 Rating, Deduct	*-419.99*	
		For Class 54 Rating, Add	*286.36*	
		For Class 55 Rating, Add	*636.48*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,748.63	521.74
		For Class 52 Rating, Deduct	*-435.39*	
		For Class 54 Rating, Add	*296.86*	
		For Class 55 Rating, Add	*659.82*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,891.61	523.70
		For Class 52 Rating, Deduct	*-450.79*	
		For Class 54 Rating, Add	*307.36*	
		For Class 55 Rating, Add	*683.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,034.61	525.66
		For Class 52 Rating, Deduct	*-466.20*	
		For Class 54 Rating, Add	*317.86*	
		For Class 55 Rating, Add	*706.50*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,177.60	527.62
		For Class 52 Rating, Deduct	*-481.60*	
		For Class 54 Rating, Add	*328.36*	
		For Class 55 Rating, Add	*729.84*	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,320.59	529.59
		For Class 52 Rating, Deduct	*-497.00*	
		For Class 54 Rating, Add	*338.86*	
		For Class 55 Rating, Add	*753.18*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,463.58	531.54
		For Class 52 Rating, Deduct	*-512.40*	
		For Class 54 Rating, Add	*349.37*	
		For Class 55 Rating, Add	*776.52*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,606.57	533.51
		For Class 52 Rating, Deduct	*-527.81*	
		For Class 54 Rating, Add	*359.87*	
		For Class 55 Rating, Add	*799.86*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,749.57	535.47
		For Class 52 Rating, Deduct	*-543.21*	
		For Class 54 Rating, Add	*370.37*	
		For Class 55 Rating, Add	*823.21*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,892.56	537.43
		For Class 52 Rating, Deduct	*-558.61*	
		For Class 54 Rating, Add	*380.87*	
		For Class 55 Rating, Add	*846.55*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,035.55	539.39
		For Class 52 Rating, Deduct	*-574.01*	
		For Class 54 Rating, Add	*391.37*	
		For Class 55 Rating, Add	*869.89*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,178.54	541.36
		For Class 52 Rating, Deduct	*-589.41*	
		For Class 54 Rating, Add	*401.87*	
		For Class 55 Rating, Add	*893.23*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,321.54	543.31
		For Class 52 Rating, Deduct	*-604.82*	
		For Class 54 Rating, Add	*412.37*	
		For Class 55 Rating, Add	*916.57*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,464.52	545.28
		For Class 52 Rating, Deduct	*-620.22*	
		For Class 54 Rating, Add	*422.88*	
		For Class 55 Rating, Add	*939.91*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,607.52	547.23
		For Class 52 Rating, Deduct	*-635.62*	
		For Class 54 Rating, Add	*433.38*	
		For Class 55 Rating, Add	*963.25*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,750.52	549.20
		For Class 52 Rating, Deduct	*-651.02*	
		For Class 54 Rating, Add	*443.88*	
		For Class 55 Rating, Add	*986.60*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,893.51	551.16
		For Class 52 Rating, Deduct	*-666.43*	
		For Class 54 Rating, Add	*454.38*	
		For Class 55 Rating, Add	*1,009.94*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,036.50	553.12
		For Class 52 Rating, Deduct	*-681.83*	
		For Class 54 Rating, Add	*464.88*	
		For Class 55 Rating, Add	*1,033.28*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,179.50	555.08
		For Class 52 Rating, Deduct	*-697.23*	
		For Class 54 Rating, Add	*475.38*	
		For Class 55 Rating, Add	*1,056.62*	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,322.48	557.05
		For Class 52 Rating, Deduct	*-712.63*	
		For Class 54 Rating, Add	*485.89*	
		For Class 55 Rating, Add	*1,079.96*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,507.44	572.74
		For Class 52 Rating, Deduct	*-180.36*	
		For Class 54 Rating, Add	*122.97*	
		For Class 55 Rating, Add	*273.33*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,683.91	574.70
		For Class 52 Rating, Deduct	*-199.45*	
		For Class 54 Rating, Add	*135.99*	
		For Class 55 Rating, Add	*302.25*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.40	576.66
		For Class 52 Rating, Deduct	*-218.53*	
		For Class 54 Rating, Add	*149.00*	
		For Class 55 Rating, Add	*331.18*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,036.86	578.62
		For Class 52 Rating, Deduct	*-237.62*	
		For Class 54 Rating, Add	*162.01*	
		For Class 55 Rating, Add	*360.10*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,213.34	580.58
		For Class 52 Rating, Deduct	*-256.70*	
		For Class 54 Rating, Add	*175.03*	
		For Class 55 Rating, Add	*389.02*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,389.83	582.54
		For Class 52 Rating, Deduct	*-275.79*	
		For Class 54 Rating, Add	*188.04*	
		For Class 55 Rating, Add	*417.95*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,566.29	584.51
		For Class 52 Rating, Deduct	*-294.87*	
		For Class 54 Rating, Add	*201.05*	
		For Class 55 Rating, Add	*446.87*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,742.77	586.46
		For Class 52 Rating, Deduct	*-313.96*	
		For Class 54 Rating, Add	*214.06*	
		For Class 55 Rating, Add	*475.79*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,919.24	588.43
		For Class 52 Rating, Deduct	*-333.05*	
		For Class 54 Rating, Add	*227.08*	
		For Class 55 Rating, Add	*504.72*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.72	590.39
		For Class 52 Rating, Deduct	*-352.13*	
		For Class 54 Rating, Add	*240.09*	
		For Class 55 Rating, Add	*533.64*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,272.19	592.35
		For Class 52 Rating, Deduct	*-371.22*	
		For Class 54 Rating, Add	*253.10*	
		For Class 55 Rating, Add	*562.56*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,448.67	594.31
		For Class 52 Rating, Deduct	*-390.30*	
		For Class 54 Rating, Add	*266.12*	
		For Class 55 Rating, Add	*591.48*	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,625.14	596.28
		For Class 52 Rating, Deduct	*-409.39*	
		For Class 54 Rating, Add	*279.13*	
		For Class 55 Rating, Add	*620.41*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,801.62	598.23
		For Class 52 Rating, Deduct	*-428.47*	
		For Class 54 Rating, Add	*292.14*	
		For Class 55 Rating, Add	*649.33*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,978.09	600.20
		For Class 52 Rating, Deduct	*-447.56*	
		For Class 54 Rating, Add	*305.15*	
		For Class 55 Rating, Add	*678.25*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,154.57	602.16
		For Class 52 Rating, Deduct	*-466.64*	
		For Class 54 Rating, Add	*318.17*	
		For Class 55 Rating, Add	*707.18*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,331.05	604.12
		For Class 52 Rating, Deduct	*-485.73*	
		For Class 54 Rating, Add	*331.18*	
		For Class 55 Rating, Add	*736.10*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,507.52	606.08
		For Class 52 Rating, Deduct	*-504.81*	
		For Class 54 Rating, Add	*344.19*	
		For Class 55 Rating, Add	*765.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.00	608.04
		For Class 52 Rating, Deduct	*-523.90*	
		For Class 54 Rating, Add	*357.20*	
		For Class 55 Rating, Add	*793.95*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,860.46	610.00
		For Class 52 Rating, Deduct	*-542.98*	
		For Class 54 Rating, Add	*370.22*	
		For Class 55 Rating, Add	*822.87*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,036.95	611.97
		For Class 52 Rating, Deduct	*-562.07*	
		For Class 54 Rating, Add	*383.23*	
		For Class 55 Rating, Add	*851.79*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,213.42	613.92
		For Class 52 Rating, Deduct	*-581.16*	
		For Class 54 Rating, Add	*396.24*	
		For Class 55 Rating, Add	*880.71*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,389.89	615.89
		For Class 52 Rating, Deduct	*-600.24*	
		For Class 54 Rating, Add	*409.25*	
		For Class 55 Rating, Add	*909.64*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,566.37	617.85
		For Class 52 Rating, Deduct	*-619.33*	
		For Class 54 Rating, Add	*422.27*	
		For Class 55 Rating, Add	*938.56*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,742.85	619.81
		For Class 52 Rating, Deduct	*-638.41*	
		For Class 54 Rating, Add	*435.28*	
		For Class 55 Rating, Add	*967.48*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,919.31	621.77
		For Class 52 Rating, Deduct	*-657.50*	
		For Class 54 Rating, Add	*448.29*	
		For Class 55 Rating, Add	*996.41*	
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,095.80	623.74
		For Class 52 Rating, Deduct	*-676.58*	
		For Class 54 Rating, Add	*461.31*	
		For Class 55 Rating, Add	*1,025.33*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,272.28	625.69
		For Class 52 Rating, Deduct	*-695.67*	
		For Class 54 Rating, Add	*474.32*	
		For Class 55 Rating, Add	*1,054.25*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,448.74	627.66
		For Class 52 Rating, Deduct	*-714.75*	
		For Class 54 Rating, Add	*487.33*	
		For Class 55 Rating, Add	*1,083.17*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,675.75	662.96
		For Class 52 Rating, Deduct	*-733.84*	
		For Class 54 Rating, Add	*500.34*	
		For Class 55 Rating, Add	*1,112.10*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,852.21	664.92
		For Class 52 Rating, Deduct	*-752.92*	
		For Class 54 Rating, Add	*513.36*	
		For Class 55 Rating, Add	*1,141.02*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,028.69	666.89
		For Class 52 Rating, Deduct	*-772.01*	
		For Class 54 Rating, Add	*526.37*	
		For Class 55 Rating, Add	*1,169.94*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,205.17	668.84
		For Class 52 Rating, Deduct	*-791.09*	
		For Class 54 Rating, Add	*539.38*	
		For Class 55 Rating, Add	*1,198.87*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,381.64	670.81
		For Class 52 Rating, Deduct	*-810.18*	
		For Class 54 Rating, Add	*552.40*	
		For Class 55 Rating, Add	*1,227.79*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,558.13	672.77
		For Class 52 Rating, Deduct	*-829.27*	
		For Class 54 Rating, Add	*565.41*	
		For Class 55 Rating, Add	*1,256.71*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,734.60	674.73
		For Class 52 Rating, Deduct	*-848.35*	
		For Class 54 Rating, Add	*578.42*	
		For Class 55 Rating, Add	*1,285.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,911.07	676.69
		For Class 52 Rating, Deduct	*-867.44*	
		For Class 54 Rating, Add	*591.43*	
		For Class 55 Rating, Add	*1,314.56*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,087.55	678.66
		For Class 52 Rating, Deduct	*-886.52*	
		For Class 54 Rating, Add	*604.45*	
		For Class 55 Rating, Add	*1,343.48*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,842.17	808.11
		For Class 52 Rating, Deduct	*-287.95*	
		For Class 54 Rating, Add	*196.33*	
		For Class 55 Rating, Add	*436.38*	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.77	810.07
		For Class 52 Rating, Deduct	*-315.52*	
		For Class 54 Rating, Add	*215.13*	
		For Class 55 Rating, Add	*478.16*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,349.35	812.03
		For Class 52 Rating, Deduct	*-343.09*	
		For Class 54 Rating, Add	*233.93*	
		For Class 55 Rating, Add	*519.94*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,602.94	813.99
		For Class 52 Rating, Deduct	*-370.66*	
		For Class 54 Rating, Add	*252.72*	
		For Class 55 Rating, Add	*561.72*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,856.53	815.96
		For Class 52 Rating, Deduct	*-398.23*	
		For Class 54 Rating, Add	*271.52*	
		For Class 55 Rating, Add	*603.49*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,110.11	817.91
		For Class 52 Rating, Deduct	*-425.79*	
		For Class 54 Rating, Add	*290.31*	
		For Class 55 Rating, Add	*645.27*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,363.70	819.88
		For Class 52 Rating, Deduct	*-453.36*	
		For Class 54 Rating, Add	*309.11*	
		For Class 55 Rating, Add	*687.05*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.29	821.84
		For Class 52 Rating, Deduct	*-480.93*	
		For Class 54 Rating, Add	*327.91*	
		For Class 55 Rating, Add	*728.83*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,870.87	823.80
		For Class 52 Rating, Deduct	*-508.50*	
		For Class 54 Rating, Add	*346.70*	
		For Class 55 Rating, Add	*770.60*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,124.47	825.76
		For Class 52 Rating, Deduct	*-536.07*	
		For Class 54 Rating, Add	*365.50*	
		For Class 55 Rating, Add	*812.38*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,378.06	827.73
		For Class 52 Rating, Deduct	*-563.63*	
		For Class 54 Rating, Add	*384.29*	
		For Class 55 Rating, Add	*854.16*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,631.64	829.68
		For Class 52 Rating, Deduct	*-591.20*	
		For Class 54 Rating, Add	*403.09*	
		For Class 55 Rating, Add	*895.94*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,885.23	831.65
		For Class 52 Rating, Deduct	*-618.77*	
		For Class 54 Rating, Add	*421.89*	
		For Class 55 Rating, Add	*937.71*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,138.82	833.60
		For Class 52 Rating, Deduct	*-646.34*	
		For Class 54 Rating, Add	*440.68*	
		For Class 55 Rating, Add	*979.49*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,392.41	835.57
		For Class 52 Rating, Deduct	*-673.90*	
		For Class 54 Rating, Add	*459.48*	
		For Class 55 Rating, Add	*1,021.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,645.99	837.53
		For Class 52 Rating, Deduct	*-701.47*	
		For Class 54 Rating, Add	*478.28*	
		For Class 55 Rating, Add	*1,063.05*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,899.59	839.49
		For Class 52 Rating, Deduct	*-729.04*	
		For Class 54 Rating, Add	*497.07*	
		For Class 55 Rating, Add	*1,104.83*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,153.16	841.45
		For Class 52 Rating, Deduct	*-756.61*	
		For Class 54 Rating, Add	*515.87*	
		For Class 55 Rating, Add	*1,146.60*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.76	843.42
		For Class 52 Rating, Deduct	*-784.17*	
		For Class 54 Rating, Add	*534.66*	
		For Class 55 Rating, Add	*1,188.38*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,660.34	845.37
		For Class 52 Rating, Deduct	*-811.74*	
		For Class 54 Rating, Add	*553.46*	
		For Class 55 Rating, Add	*1,230.16*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,913.93	847.34
		For Class 52 Rating, Deduct	*-839.31*	
		For Class 54 Rating, Add	*572.26*	
		For Class 55 Rating, Add	*1,271.94*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,167.53	849.30
		For Class 52 Rating, Deduct	*-866.88*	
		For Class 54 Rating, Add	*591.05*	
		For Class 55 Rating, Add	*1,313.71*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,421.10	851.26
		For Class 52 Rating, Deduct	*-894.45*	
		For Class 54 Rating, Add	*609.85*	
		For Class 55 Rating, Add	*1,355.49*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,674.70	853.22
		For Class 52 Rating, Deduct	*-922.01*	
		For Class 54 Rating, Add	*628.65*	
		For Class 55 Rating, Add	*1,397.27*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,928.29	855.19
		For Class 52 Rating, Deduct	*-949.58*	
		For Class 54 Rating, Add	*647.44*	
		For Class 55 Rating, Add	*1,439.05*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,181.87	857.14
		For Class 52 Rating, Deduct	*-977.15*	
		For Class 54 Rating, Add	*666.24*	
		For Class 55 Rating, Add	*1,480.82*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,435.46	859.11
		For Class 52 Rating, Deduct	*-1,004.72*	
		For Class 54 Rating, Add	*685.03*	
		For Class 55 Rating, Add	*1,522.60*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,689.06	861.06
		For Class 52 Rating, Deduct	*-1,032.29*	
		For Class 54 Rating, Add	*703.83*	
		For Class 55 Rating, Add	*1,564.38*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,942.63	863.03
		For Class 52 Rating, Deduct	*-1,059.85*	
		For Class 54 Rating, Add	*722.63*	
		For Class 55 Rating, Add	*1,606.16*	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,196.23	864.99
		For Class 52 Rating, Deduct	*-1,087.42*	
		For Class 54 Rating, Add	*741.42*	
		For Class 55 Rating, Add	*1,647.94*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,449.81	866.95
		For Class 52 Rating, Deduct	*-1,114.99*	
		For Class 54 Rating, Add	*760.22*	
		For Class 55 Rating, Add	*1,689.71*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,703.40	868.91
		For Class 52 Rating, Deduct	*-1,142.56*	
		For Class 54 Rating, Add	*779.02*	
		For Class 55 Rating, Add	*1,731.49*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,957.00	870.88
		For Class 52 Rating, Deduct	*-1,170.12*	
		For Class 54 Rating, Add	*797.81*	
		For Class 55 Rating, Add	*1,773.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,210.57	872.83
		For Class 52 Rating, Deduct	*-1,197.69*	
		For Class 54 Rating, Add	*816.61*	
		For Class 55 Rating, Add	*1,815.05*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,464.17	874.80
		For Class 52 Rating, Deduct	*-1,225.26*	
		For Class 54 Rating, Add	*835.40*	
		For Class 55 Rating, Add	*1,856.82*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,717.75	876.76
		For Class 52 Rating, Deduct	*-1,252.83*	
		For Class 54 Rating, Add	*854.20*	
		For Class 55 Rating, Add	*1,898.60*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,971.34	878.72
		For Class 52 Rating, Deduct	*-1,280.39*	
		For Class 54 Rating, Add	*873.00*	
		For Class 55 Rating, Add	*1,940.38*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,224.93	880.68
		For Class 52 Rating, Deduct	*-1,307.96*	
		For Class 54 Rating, Add	*891.79*	
		For Class 55 Rating, Add	*1,982.16*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,241.56	1,023.86
		For Class 52 Rating, Deduct	*-405.93*	
		For Class 54 Rating, Add	*276.77*	
		For Class 55 Rating, Add	*615.16*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,585.44	1,025.82
		For Class 52 Rating, Deduct	*-443.43*	
		For Class 54 Rating, Add	*302.34*	
		For Class 55 Rating, Add	*671.99*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,929.33	1,027.79
		For Class 52 Rating, Deduct	*-480.93*	
		For Class 54 Rating, Add	*327.91*	
		For Class 55 Rating, Add	*728.83*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,273.23	1,029.75
		For Class 52 Rating, Deduct	*-518.43*	
		For Class 54 Rating, Add	*353.48*	
		For Class 55 Rating, Add	*785.66*	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,617.11	1,031.70
		For Class 52 Rating, Deduct	*-555.93*	
		For Class 54 Rating, Add	*379.04*	
		For Class 55 Rating, Add	*842.49*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,961.01	1,033.67
		For Class 52 Rating, Deduct	*-593.43*	
		For Class 54 Rating, Add	*404.61*	
		For Class 55 Rating, Add	*899.32*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,304.90	1,035.63
		For Class 52 Rating, Deduct	*-630.93*	
		For Class 54 Rating, Add	*430.18*	
		For Class 55 Rating, Add	*956.15*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,648.79	1,037.59
		For Class 52 Rating, Deduct	*-668.43*	
		For Class 54 Rating, Add	*455.75*	
		For Class 55 Rating, Add	*1,012.98*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,992.68	1,039.55
		For Class 52 Rating, Deduct	*-705.94*	
		For Class 54 Rating, Add	*481.32*	
		For Class 55 Rating, Add	*1,069.81*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,336.58	1,041.52
		For Class 52 Rating, Deduct	*-743.44*	
		For Class 54 Rating, Add	*506.89*	
		For Class 55 Rating, Add	*1,126.65*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,680.46	1,043.47
		For Class 52 Rating, Deduct	*-780.94*	
		For Class 54 Rating, Add	*532.46*	
		For Class 55 Rating, Add	*1,183.48*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,024.36	1,045.44
		For Class 52 Rating, Deduct	*-818.44*	
		For Class 54 Rating, Add	*558.03*	
		For Class 55 Rating, Add	*1,240.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,368.24	1,047.40
		For Class 52 Rating, Deduct	*-855.94*	
		For Class 54 Rating, Add	*583.60*	
		For Class 55 Rating, Add	*1,297.14*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,712.13	1,049.36
		For Class 52 Rating, Deduct	*-893.44*	
		For Class 54 Rating, Add	*609.16*	
		For Class 55 Rating, Add	*1,353.97*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,056.03	1,051.32
		For Class 52 Rating, Deduct	*-930.94*	
		For Class 54 Rating, Add	*634.73*	
		For Class 55 Rating, Add	*1,410.80*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,399.91	1,053.28
		For Class 52 Rating, Deduct	*-968.44*	
		For Class 54 Rating, Add	*660.30*	
		For Class 55 Rating, Add	*1,467.63*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,743.81	1,055.24
		For Class 52 Rating, Deduct	*-1,005.94*	
		For Class 54 Rating, Add	*685.87*	
		For Class 55 Rating, Add	*1,524.46*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,087.70	1,057.21
		For Class 52 Rating, Deduct	*-1,043.45*	
		For Class 54 Rating, Add	*711.44*	
		For Class 55 Rating, Add	*1,581.29*	
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,431.59	1,059.16
		For Class 52 Rating, Deduct	*-1,080.95*	
		For Class 54 Rating, Add	*737.01*	
		For Class 55 Rating, Add	*1,638.13*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,775.48	1,061.13
		For Class 52 Rating, Deduct	*-1,118.45*	
		For Class 54 Rating, Add	*762.58*	
		For Class 55 Rating, Add	*1,694.96*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,119.38	1,063.09
		For Class 52 Rating, Deduct	*-1,155.95*	
		For Class 54 Rating, Add	*788.15*	
		For Class 55 Rating, Add	*1,751.79*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,463.26	1,065.05
		For Class 52 Rating, Deduct	*-1,193.45*	
		For Class 54 Rating, Add	*813.72*	
		For Class 55 Rating, Add	*1,808.62*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,807.15	1,067.01
		For Class 52 Rating, Deduct	*-1,230.95*	
		For Class 54 Rating, Add	*839.28*	
		For Class 55 Rating, Add	*1,865.45*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,151.04	1,068.98
		For Class 52 Rating, Deduct	*-1,268.45*	
		For Class 54 Rating, Add	*864.85*	
		For Class 55 Rating, Add	*1,922.28*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,494.93	1,070.93
		For Class 52 Rating, Deduct	*-1,305.95*	
		For Class 54 Rating, Add	*890.42*	
		For Class 55 Rating, Add	*1,979.11*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,838.83	1,072.90
		For Class 52 Rating, Deduct	*-1,343.45*	
		For Class 54 Rating, Add	*915.99*	
		For Class 55 Rating, Add	*2,035.94*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,182.72	1,074.86
		For Class 52 Rating, Deduct	*-1,380.96*	
		For Class 54 Rating, Add	*941.56*	
		For Class 55 Rating, Add	*2,092.78*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,526.61	1,076.82
		For Class 52 Rating, Deduct	*-1,418.46*	
		For Class 54 Rating, Add	*967.13*	
		For Class 55 Rating, Add	*2,149.61*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,870.50	1,078.78
		For Class 52 Rating, Deduct	*-1,455.96*	
		For Class 54 Rating, Add	*992.70*	
		For Class 55 Rating, Add	*2,206.44*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,214.39	1,080.75
		For Class 52 Rating, Deduct	*-1,493.46*	
		For Class 54 Rating, Add	*1,018.27*	
		For Class 55 Rating, Add	*2,263.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,558.28	1,082.70
		For Class 52 Rating, Deduct	*-1,530.96*	
		For Class 54 Rating, Add	*1,043.84*	
		For Class 55 Rating, Add	*2,320.10*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,902.18	1,084.67
		For Class 52 Rating, Deduct	*-1,568.46*	
		For Class 54 Rating, Add	*1,069.41*	
		For Class 55 Rating, Add	*2,376.93*	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,246.06	1,086.62
		For Class 52 Rating, Deduct	*-1,605.96*	
		For Class 54 Rating, Add	*1,094.97*	
		For Class 55 Rating, Add	*2,433.76*	
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,589.95	1,088.59
		For Class 52 Rating, Deduct	*-1,643.46*	
		For Class 54 Rating, Add	*1,120.54*	
		For Class 55 Rating, Add	*2,490.59*	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,933.84	1,090.55
		For Class 52 Rating, Deduct	*-1,680.96*	
		For Class 54 Rating, Add	*1,146.11*	
		For Class 55 Rating, Add	*2,547.42*	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,277.73	1,092.51
		For Class 52 Rating, Deduct	*-1,718.47*	
		For Class 54 Rating, Add	*1,171.68*	
		For Class 55 Rating, Add	*2,604.26*	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,621.63	1,094.47
		For Class 52 Rating, Deduct	*-1,755.97*	
		For Class 54 Rating, Add	*1,197.25*	
		For Class 55 Rating, Add	*2,661.09*	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,965.52	1,096.44
		For Class 52 Rating, Deduct	*-1,793.47*	
		For Class 54 Rating, Add	*1,222.82*	
		For Class 55 Rating, Add	*2,717.92*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	292.46	95.92
		For Class 52 Rating, Deduct	*-16.18*	
		For Class 54 Rating, Add	*11.03*	
		For Class 55 Rating, Add	*24.52*	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	321.38	97.60
		For Class 52 Rating, Deduct	*-19.09*	
		For Class 54 Rating, Add	*13.01*	
		For Class 55 Rating, Add	*28.92*	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	350.30	99.28
		For Class 52 Rating, Deduct	*-21.99*	
		For Class 54 Rating, Add	*14.99*	
		For Class 55 Rating, Add	*33.32*	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	379.22	100.95
		For Class 52 Rating, Deduct	*-24.89*	
		For Class 54 Rating, Add	*16.97*	
		For Class 55 Rating, Add	*37.72*	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	408.15	102.63
		For Class 52 Rating, Deduct	*-27.79*	
		For Class 54 Rating, Add	*18.95*	
		For Class 55 Rating, Add	*42.12*	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	437.07	104.31
		For Class 52 Rating, Deduct	*-30.69*	
		For Class 54 Rating, Add	*20.93*	
		For Class 55 Rating, Add	*46.51*	
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	465.99	105.99
		For Class 52 Rating, Deduct	*-33.60*	
		For Class 54 Rating, Add	*22.91*	
		For Class 55 Rating, Add	*50.91*	
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	494.91	107.66
		For Class 52 Rating, Deduct	*-36.50*	
		For Class 54 Rating, Add	*24.88*	
		For Class 55 Rating, Add	*55.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	523.83	109.34
		For Class 52 Rating, Deduct	*-39.40*	
		For Class 54 Rating, Add	*26.86*	
		For Class 55 Rating, Add	*59.71*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	552.76	111.02
		For Class 52 Rating, Deduct	*-42.30*	
		For Class 54 Rating, Add	*28.84*	
		For Class 55 Rating, Add	*64.10*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	581.68	112.69
		For Class 52 Rating, Deduct	*-45.20*	
		For Class 54 Rating, Add	*30.82*	
		For Class 55 Rating, Add	*68.50*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	610.60	114.37
		For Class 52 Rating, Deduct	*-48.10*	
		For Class 54 Rating, Add	*32.80*	
		For Class 55 Rating, Add	*72.90*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	639.52	116.05
		For Class 52 Rating, Deduct	*-51.01*	
		For Class 54 Rating, Add	*34.78*	
		For Class 55 Rating, Add	*77.30*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	668.44	117.73
		For Class 52 Rating, Deduct	*-53.91*	
		For Class 54 Rating, Add	*36.76*	
		For Class 55 Rating, Add	*81.69*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	697.36	119.40
		For Class 52 Rating, Deduct	*-56.81*	
		For Class 54 Rating, Add	*38.73*	
		For Class 55 Rating, Add	*86.09*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.28	121.08
		For Class 52 Rating, Deduct	*-59.71*	
		For Class 54 Rating, Add	*40.71*	
		For Class 55 Rating, Add	*90.49*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	755.20	122.76
		For Class 52 Rating, Deduct	*-62.61*	
		For Class 54 Rating, Add	*42.69*	
		For Class 55 Rating, Add	*94.89*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	784.12	124.44
		For Class 52 Rating, Deduct	*-65.51*	
		For Class 54 Rating, Add	*44.67*	
		For Class 55 Rating, Add	*99.28*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.04	126.11
		For Class 52 Rating, Deduct	*-68.42*	
		For Class 54 Rating, Add	*46.65*	
		For Class 55 Rating, Add	*103.68*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	841.97	127.79
		For Class 52 Rating, Deduct	*-71.32*	
		For Class 54 Rating, Add	*48.63*	
		For Class 55 Rating, Add	*108.08*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.89	129.47
		For Class 52 Rating, Deduct	*-74.22*	
		For Class 54 Rating, Add	*50.61*	
		For Class 55 Rating, Add	*112.48*	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.82	131.14
		For Class 52 Rating, Deduct	*-77.12*	
		For Class 54 Rating, Add	*52.58*	
		For Class 55 Rating, Add	*116.88*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.74	132.82
		For Class 52 Rating, Deduct	*-80.03*	
		For Class 54 Rating, Add	*54.56*	
		For Class 55 Rating, Add	*121.27*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	957.66	134.49
		For Class 52 Rating, Deduct	*-82.93*	
		For Class 54 Rating, Add	*56.54*	
		For Class 55 Rating, Add	*125.67*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	986.58	136.17
		For Class 52 Rating, Deduct	*-85.83*	
		For Class 54 Rating, Add	*58.52*	
		For Class 55 Rating, Add	*130.07*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.50	137.85
		For Class 52 Rating, Deduct	*-88.73*	
		For Class 54 Rating, Add	*60.50*	
		For Class 55 Rating, Add	*134.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,044.42	139.53
		For Class 52 Rating, Deduct	*-91.63*	
		For Class 54 Rating, Add	*62.48*	
		For Class 55 Rating, Add	*138.86*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.34	141.21
		For Class 52 Rating, Deduct	*-94.53*	
		For Class 54 Rating, Add	*64.46*	
		For Class 55 Rating, Add	*143.26*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,102.26	142.88
		For Class 52 Rating, Deduct	*-97.44*	
		For Class 54 Rating, Add	*66.43*	
		For Class 55 Rating, Add	*147.66*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,131.18	144.56
		For Class 52 Rating, Deduct	*-100.34*	
		For Class 54 Rating, Add	*68.41*	
		For Class 55 Rating, Add	*152.06*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,160.10	146.24
		For Class 52 Rating, Deduct	*-103.24*	
		For Class 54 Rating, Add	*70.39*	
		For Class 55 Rating, Add	*156.45*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,189.02	147.92
		For Class 52 Rating, Deduct	*-106.14*	
		For Class 54 Rating, Add	*72.37*	
		For Class 55 Rating, Add	*160.85*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.94	149.59
		For Class 52 Rating, Deduct	*-109.04*	
		For Class 54 Rating, Add	*74.35*	
		For Class 55 Rating, Add	*165.25*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,246.87	151.27
		For Class 52 Rating, Deduct	*-111.94*	
		For Class 54 Rating, Add	*76.33*	
		For Class 55 Rating, Add	*169.65*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,275.79	152.95
		For Class 52 Rating, Deduct	*-114.85*	
		For Class 54 Rating, Add	*78.30*	
		For Class 55 Rating, Add	*174.04*	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,304.72	154.62
		For Class 52 Rating, Deduct	*-117.75*	
		For Class 54 Rating, Add	*80.28*	
		For Class 55 Rating, Add	*178.44*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,333.64	156.30
		For Class 52 Rating, Deduct	*-120.65*	
		For Class 54 Rating, Add	*82.26*	
		For Class 55 Rating, Add	*182.84*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.56	157.98
		For Class 52 Rating, Deduct	*-123.55*	
		For Class 54 Rating, Add	*84.24*	
		For Class 55 Rating, Add	*187.24*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,391.48	159.66
		For Class 52 Rating, Deduct	*-126.45*	
		For Class 54 Rating, Add	*86.22*	
		For Class 55 Rating, Add	*191.64*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	366.60	120.75
		For Class 52 Rating, Deduct	*-20.20*	
		For Class 54 Rating, Add	*13.77*	
		For Class 55 Rating, Add	*30.61*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	401.61	122.43
		For Class 52 Rating, Deduct	*-23.77*	
		For Class 54 Rating, Add	*16.21*	
		For Class 55 Rating, Add	*36.03*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	436.62	124.10
		For Class 52 Rating, Deduct	*-27.34*	
		For Class 54 Rating, Add	*18.64*	
		For Class 55 Rating, Add	*41.44*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	471.63	125.78
		For Class 52 Rating, Deduct	*-30.92*	
		For Class 54 Rating, Add	*21.08*	
		For Class 55 Rating, Add	*46.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	506.63	127.46
		For Class 52 Rating, Deduct	*-34.49*	
		For Class 54 Rating, Add	*23.51*	
		For Class 55 Rating, Add	*52.26*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	541.64	129.13
		For Class 52 Rating, Deduct	*-38.06*	
		For Class 54 Rating, Add	*25.95*	
		For Class 55 Rating, Add	*57.68*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	576.66	130.80
		For Class 52 Rating, Deduct	*-41.63*	
		For Class 54 Rating, Add	*28.38*	
		For Class 55 Rating, Add	*63.09*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	611.67	132.48
		For Class 52 Rating, Deduct	*-45.20*	
		For Class 54 Rating, Add	*30.82*	
		For Class 55 Rating, Add	*68.50*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	646.68	134.16
		For Class 52 Rating, Deduct	*-48.77*	
		For Class 54 Rating, Add	*33.26*	
		For Class 55 Rating, Add	*73.91*	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.69	135.83
		For Class 52 Rating, Deduct	*-52.35*	
		For Class 54 Rating, Add	*35.69*	
		For Class 55 Rating, Add	*79.33*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	716.69	137.51
		For Class 52 Rating, Deduct	*-55.92*	
		For Class 54 Rating, Add	*38.12*	
		For Class 55 Rating, Add	*84.74*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	751.70	139.19
		For Class 52 Rating, Deduct	*-59.49*	
		For Class 54 Rating, Add	*40.56*	
		For Class 55 Rating, Add	*90.15*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	786.71	140.86
		For Class 52 Rating, Deduct	*-63.06*	
		For Class 54 Rating, Add	*43.00*	
		For Class 55 Rating, Add	*95.56*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	821.72	142.54
		For Class 52 Rating, Deduct	*-66.63*	
		For Class 54 Rating, Add	*45.43*	
		For Class 55 Rating, Add	*100.98*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	856.73	144.22
		For Class 52 Rating, Deduct	*-70.20*	
		For Class 54 Rating, Add	*47.87*	
		For Class 55 Rating, Add	*106.39*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	891.74	145.90
		For Class 52 Rating, Deduct	*-73.77*	
		For Class 54 Rating, Add	*50.30*	
		For Class 55 Rating, Add	*111.80*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	926.75	147.57
		For Class 52 Rating, Deduct	*-77.35*	
		For Class 54 Rating, Add	*52.74*	
		For Class 55 Rating, Add	*117.22*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.75	149.25
		For Class 52 Rating, Deduct	*-80.92*	
		For Class 54 Rating, Add	*55.17*	
		For Class 55 Rating, Add	*122.63*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	996.77	150.93
		For Class 52 Rating, Deduct	*-84.49*	
		For Class 54 Rating, Add	*57.61*	
		For Class 55 Rating, Add	*128.04*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.78	152.61
		For Class 52 Rating, Deduct	*-88.06*	
		For Class 54 Rating, Add	*60.04*	
		For Class 55 Rating, Add	*133.45*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.79	154.29
		For Class 52 Rating, Deduct	*-91.63*	
		For Class 54 Rating, Add	*62.48*	
		For Class 55 Rating, Add	*138.86*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.80	155.96
		For Class 52 Rating, Deduct	*-95.20*	
		For Class 54 Rating, Add	*64.91*	
		For Class 55 Rating, Add	*144.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,136.81	157.64
		For Class 52 Rating, Deduct	*-98.78*	
		For Class 54 Rating, Add	*67.35*	
		For Class 55 Rating, Add	*149.69*	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,171.81	159.32
		For Class 52 Rating, Deduct	*-102.35*	
		For Class 54 Rating, Add	*69.78*	
		For Class 55 Rating, Add	*155.10*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.82	161.00
		For Class 52 Rating, Deduct	*-105.92*	
		For Class 54 Rating, Add	*72.22*	
		For Class 55 Rating, Add	*160.51*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.83	162.68
		For Class 52 Rating, Deduct	*-109.49*	
		For Class 54 Rating, Add	*74.65*	
		For Class 55 Rating, Add	*165.93*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,276.84	164.35
		For Class 52 Rating, Deduct	*-113.06*	
		For Class 54 Rating, Add	*77.09*	
		For Class 55 Rating, Add	*171.34*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.85	166.03
		For Class 52 Rating, Deduct	*-116.63*	
		For Class 54 Rating, Add	*79.52*	
		For Class 55 Rating, Add	*176.75*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,346.86	167.71
		For Class 52 Rating, Deduct	*-120.20*	
		For Class 54 Rating, Add	*81.96*	
		For Class 55 Rating, Add	*182.16*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,381.87	169.38
		For Class 52 Rating, Deduct	*-123.78*	
		For Class 54 Rating, Add	*84.39*	
		For Class 55 Rating, Add	*187.58*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.88	171.05
		For Class 52 Rating, Deduct	*-127.35*	
		For Class 54 Rating, Add	*86.83*	
		For Class 55 Rating, Add	*192.99*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.89	172.73
		For Class 52 Rating, Deduct	*-130.92*	
		For Class 54 Rating, Add	*89.26*	
		For Class 55 Rating, Add	*198.40*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,486.90	174.41
		For Class 52 Rating, Deduct	*-134.49*	
		For Class 54 Rating, Add	*91.70*	
		For Class 55 Rating, Add	*203.81*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.91	176.09
		For Class 52 Rating, Deduct	*-138.06*	
		For Class 54 Rating, Add	*94.13*	
		For Class 55 Rating, Add	*209.23*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,556.92	177.76
		For Class 52 Rating, Deduct	*-141.63*	
		For Class 54 Rating, Add	*96.57*	
		For Class 55 Rating, Add	*214.64*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,591.93	179.44
		For Class 52 Rating, Deduct	*-145.21*	
		For Class 54 Rating, Add	*99.00*	
		For Class 55 Rating, Add	*220.05*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,626.94	181.12
		For Class 52 Rating, Deduct	*-148.78*	
		For Class 54 Rating, Add	*101.44*	
		For Class 55 Rating, Add	*225.47*	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.94	182.79
		For Class 52 Rating, Deduct	*-152.35*	
		For Class 54 Rating, Add	*103.87*	
		For Class 55 Rating, Add	*230.88*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,696.95	184.47
		For Class 52 Rating, Deduct	*-155.92*	
		For Class 54 Rating, Add	*106.31*	
		For Class 55 Rating, Add	*236.29*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	500.62	154.29
		For Class 52 Rating, Deduct	*-29.35*	
		For Class 54 Rating, Add	*20.01*	
		For Class 55 Rating, Add	*44.48*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	547.80	155.96
		For Class 52 Rating, Deduct	*-34.26*	
		For Class 54 Rating, Add	*23.36*	
		For Class 55 Rating, Add	*51.93*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	594.99	157.64
		For Class 52 Rating, Deduct	*-39.18*	
		For Class 54 Rating, Add	*26.71*	
		For Class 55 Rating, Add	*59.37*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	642.17	159.32
		For Class 52 Rating, Deduct	*-44.09*	
		For Class 54 Rating, Add	*30.06*	
		For Class 55 Rating, Add	*66.81*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	689.36	161.00
		For Class 52 Rating, Deduct	*-49.00*	
		For Class 54 Rating, Add	*33.41*	
		For Class 55 Rating, Add	*74.25*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.54	162.68
		For Class 52 Rating, Deduct	*-53.91*	
		For Class 54 Rating, Add	*36.76*	
		For Class 55 Rating, Add	*81.69*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	783.73	164.35
		For Class 52 Rating, Deduct	*-58.82*	
		For Class 54 Rating, Add	*40.10*	
		For Class 55 Rating, Add	*89.14*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	830.91	166.03
		For Class 52 Rating, Deduct	*-63.73*	
		For Class 54 Rating, Add	*43.45*	
		For Class 55 Rating, Add	*96.58*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	878.09	167.71
		For Class 52 Rating, Deduct	*-68.64*	
		For Class 54 Rating, Add	*46.80*	
		For Class 55 Rating, Add	*104.02*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	925.28	169.38
		For Class 52 Rating, Deduct	*-73.55*	
		For Class 54 Rating, Add	*50.15*	
		For Class 55 Rating, Add	*111.46*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.47	171.05
		For Class 52 Rating, Deduct	*-78.46*	
		For Class 54 Rating, Add	*53.50*	
		For Class 55 Rating, Add	*118.91*	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,019.66	172.73
		For Class 52 Rating, Deduct	*-83.37*	
		For Class 54 Rating, Add	*56.85*	
		For Class 55 Rating, Add	*126.35*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.84	174.41
		For Class 52 Rating, Deduct	*-88.28*	
		For Class 54 Rating, Add	*60.19*	
		For Class 55 Rating, Add	*133.79*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.02	176.09
		For Class 52 Rating, Deduct	*-93.19*	
		For Class 54 Rating, Add	*63.54*	
		For Class 55 Rating, Add	*141.23*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,161.21	177.76
		For Class 52 Rating, Deduct	*-98.11*	
		For Class 54 Rating, Add	*66.89*	
		For Class 55 Rating, Add	*148.67*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,208.39	179.44
		For Class 52 Rating, Deduct	*-103.02*	
		For Class 54 Rating, Add	*70.24*	
		For Class 55 Rating, Add	*156.12*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,255.58	181.12
		For Class 52 Rating, Deduct	*-107.93*	
		For Class 54 Rating, Add	*73.59*	
		For Class 55 Rating, Add	*163.56*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.76	182.79
		For Class 52 Rating, Deduct	*-112.84*	
		For Class 54 Rating, Add	*76.94*	
		For Class 55 Rating, Add	*171.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.95	184.47
		For Class 52 Rating, Deduct	*-117.75*	
		For Class 54 Rating, Add	*80.28*	
		For Class 55 Rating, Add	*178.44*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,397.13	186.15
		For Class 52 Rating, Deduct	*-122.66*	
		For Class 54 Rating, Add	*83.63*	
		For Class 55 Rating, Add	*185.89*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,444.31	187.83
		For Class 52 Rating, Deduct	*-127.57*	
		For Class 54 Rating, Add	*86.98*	
		For Class 55 Rating, Add	*193.33*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,491.50	189.50
		For Class 52 Rating, Deduct	*-132.48*	
		For Class 54 Rating, Add	*90.33*	
		For Class 55 Rating, Add	*200.77*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.69	191.18
		For Class 52 Rating, Deduct	*-137.39*	
		For Class 54 Rating, Add	*93.68*	
		For Class 55 Rating, Add	*208.21*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,585.88	192.86
		For Class 52 Rating, Deduct	*-142.30*	
		For Class 54 Rating, Add	*97.03*	
		For Class 55 Rating, Add	*215.65*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.06	194.54
		For Class 52 Rating, Deduct	*-147.21*	
		For Class 54 Rating, Add	*100.37*	
		For Class 55 Rating, Add	*223.10*	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,680.24	196.21
		For Class 52 Rating, Deduct	*-152.12*	
		For Class 54 Rating, Add	*103.72*	
		For Class 55 Rating, Add	*230.54*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.43	197.89
		For Class 52 Rating, Deduct	*-157.04*	
		For Class 54 Rating, Add	*107.07*	
		For Class 55 Rating, Add	*237.98*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.61	199.57
		For Class 52 Rating, Deduct	*-161.95*	
		For Class 54 Rating, Add	*110.42*	
		For Class 55 Rating, Add	*245.42*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,821.80	201.24
		For Class 52 Rating, Deduct	*-166.86*	
		For Class 54 Rating, Add	*113.77*	
		For Class 55 Rating, Add	*252.87*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,868.98	202.92
		For Class 52 Rating, Deduct	*-171.77*	
		For Class 54 Rating, Add	*117.11*	
		For Class 55 Rating, Add	*260.31*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,916.17	204.60
		For Class 52 Rating, Deduct	*-176.68*	
		For Class 54 Rating, Add	*120.46*	
		For Class 55 Rating, Add	*267.75*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,963.35	206.27
		For Class 52 Rating, Deduct	*-181.59*	
		For Class 54 Rating, Add	*123.81*	
		For Class 55 Rating, Add	*275.19*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,010.53	207.94
		For Class 52 Rating, Deduct	*-186.50*	
		For Class 54 Rating, Add	*127.16*	
		For Class 55 Rating, Add	*282.63*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,057.72	209.62
		For Class 52 Rating, Deduct	*-191.41*	
		For Class 54 Rating, Add	*130.51*	
		For Class 55 Rating, Add	*290.08*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,104.91	211.30
		For Class 52 Rating, Deduct	*-196.32*	
		For Class 54 Rating, Add	*133.86*	
		For Class 55 Rating, Add	*297.52*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,152.10	212.98
		For Class 52 Rating, Deduct	*-201.23*	
		For Class 54 Rating, Add	*137.21*	
		For Class 55 Rating, Add	*304.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.28	214.65
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*140.55*	
		For Class 55 Rating, Add	*312.40*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,246.46	216.33
		For Class 52 Rating, Deduct	*-211.05*	
		For Class 54 Rating, Add	*143.90*	
		For Class 55 Rating, Add	*319.84*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,293.65	218.01
		For Class 52 Rating, Deduct	*-215.97*	
		For Class 54 Rating, Add	*147.25*	
		For Class 55 Rating, Add	*327.29*	

40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	628.54	187.83
		For Class 52 Rating, Deduct	*-37.84*	
		For Class 54 Rating, Add	*25.80*	
		For Class 55 Rating, Add	*57.34*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	689.93	189.50
		For Class 52 Rating, Deduct	*-44.31*	
		For Class 54 Rating, Add	*30.21*	
		For Class 55 Rating, Add	*67.15*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	751.33	191.18
		For Class 52 Rating, Deduct	*-50.78*	
		For Class 54 Rating, Add	*34.62*	
		For Class 55 Rating, Add	*76.96*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	812.72	192.86
		For Class 52 Rating, Deduct	*-57.26*	
		For Class 54 Rating, Add	*39.04*	
		For Class 55 Rating, Add	*86.77*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.11	194.54
		For Class 52 Rating, Deduct	*-63.73*	
		For Class 54 Rating, Add	*43.45*	
		For Class 55 Rating, Add	*96.58*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	935.50	196.21
		For Class 52 Rating, Deduct	*-70.20*	
		For Class 54 Rating, Add	*47.87*	
		For Class 55 Rating, Add	*106.39*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	996.89	197.89
		For Class 52 Rating, Deduct	*-76.68*	
		For Class 54 Rating, Add	*52.28*	
		For Class 55 Rating, Add	*116.20*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,058.28	199.57
		For Class 52 Rating, Deduct	*-83.15*	
		For Class 54 Rating, Add	*56.69*	
		For Class 55 Rating, Add	*126.01*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.67	201.24
		For Class 52 Rating, Deduct	*-89.62*	
		For Class 54 Rating, Add	*61.11*	
		For Class 55 Rating, Add	*135.82*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.05	202.92
		For Class 52 Rating, Deduct	*-96.10*	
		For Class 54 Rating, Add	*65.52*	
		For Class 55 Rating, Add	*145.63*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,242.44	204.60
		For Class 52 Rating, Deduct	*-102.57*	
		For Class 54 Rating, Add	*69.93*	
		For Class 55 Rating, Add	*155.44*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.83	206.27
		For Class 52 Rating, Deduct	*-109.04*	
		For Class 54 Rating, Add	*74.35*	
		For Class 55 Rating, Add	*165.25*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,365.22	207.94
		For Class 52 Rating, Deduct	*-115.52*	
		For Class 54 Rating, Add	*78.76*	
		For Class 55 Rating, Add	*175.06*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.61	209.62
		For Class 52 Rating, Deduct	*-121.99*	
		For Class 54 Rating, Add	*83.18*	
		For Class 55 Rating, Add	*184.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.01	211.30
		For Class 52 Rating, Deduct	*-128.46*	
		For Class 54 Rating, Add	*87.59*	
		For Class 55 Rating, Add	*194.68*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,549.40	212.98
		For Class 52 Rating, Deduct	*-134.94*	
		For Class 54 Rating, Add	*92.00*	
		For Class 55 Rating, Add	*204.49*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.79	214.65
		For Class 52 Rating, Deduct	*-141.41*	
		For Class 54 Rating, Add	*96.42*	
		For Class 55 Rating, Add	*214.30*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,672.18	216.33
		For Class 52 Rating, Deduct	*-147.88*	
		For Class 54 Rating, Add	*100.83*	
		For Class 55 Rating, Add	*224.11*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,733.57	218.01
		For Class 52 Rating, Deduct	*-154.36*	
		For Class 54 Rating, Add	*105.24*	
		For Class 55 Rating, Add	*233.92*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,794.96	219.69
		For Class 52 Rating, Deduct	*-160.83*	
		For Class 54 Rating, Add	*109.66*	
		For Class 55 Rating, Add	*243.73*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.35	221.37
		For Class 52 Rating, Deduct	*-167.30*	
		For Class 54 Rating, Add	*114.07*	
		For Class 55 Rating, Add	*253.54*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,917.73	223.04
		For Class 52 Rating, Deduct	*-173.78*	
		For Class 54 Rating, Add	*118.48*	
		For Class 55 Rating, Add	*263.35*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,979.12	224.72
		For Class 52 Rating, Deduct	*-180.25*	
		For Class 54 Rating, Add	*122.90*	
		For Class 55 Rating, Add	*273.16*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,040.51	226.40
		For Class 52 Rating, Deduct	*-186.72*	
		For Class 54 Rating, Add	*127.31*	
		For Class 55 Rating, Add	*282.97*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,101.90	228.08
		For Class 52 Rating, Deduct	*-193.20*	
		For Class 54 Rating, Add	*131.73*	
		For Class 55 Rating, Add	*292.78*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,163.29	229.76
		For Class 52 Rating, Deduct	*-199.67*	
		For Class 54 Rating, Add	*136.14*	
		For Class 55 Rating, Add	*302.59*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.69	231.43
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*140.55*	
		For Class 55 Rating, Add	*312.40*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,286.08	233.11
		For Class 52 Rating, Deduct	*-212.62*	
		For Class 54 Rating, Add	*144.97*	
		For Class 55 Rating, Add	*322.21*	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,347.47	234.79
		For Class 52 Rating, Deduct	*-219.09*	
		For Class 54 Rating, Add	*149.38*	
		For Class 55 Rating, Add	*332.02*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,408.86	236.47
		For Class 52 Rating, Deduct	*-225.56*	
		For Class 54 Rating, Add	*153.79*	
		For Class 55 Rating, Add	*341.83*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,470.25	238.14
		For Class 52 Rating, Deduct	*-232.04*	
		For Class 54 Rating, Add	*158.21*	
		For Class 55 Rating, Add	*351.64*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,531.64	239.82
		For Class 52 Rating, Deduct	*-238.51*	
		For Class 54 Rating, Add	*162.62*	
		For Class 55 Rating, Add	*361.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,593.02	241.50
		For Class 52 Rating, Deduct	*-244.98*	
		For Class 54 Rating, Add	*167.03*	
		For Class 55 Rating, Add	*371.26*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,654.41	243.16
		For Class 52 Rating, Deduct	*-251.46*	
		For Class 54 Rating, Add	*171.45*	
		For Class 55 Rating, Add	*381.07*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,715.80	244.84
		For Class 52 Rating, Deduct	*-257.93*	
		For Class 54 Rating, Add	*175.86*	
		For Class 55 Rating, Add	*390.88*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,777.19	246.52
		For Class 52 Rating, Deduct	*-264.40*	
		For Class 54 Rating, Add	*180.28*	
		For Class 55 Rating, Add	*400.69*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,838.59	248.20
		For Class 52 Rating, Deduct	*-270.88*	
		For Class 54 Rating, Add	*184.69*	
		For Class 55 Rating, Add	*410.50*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,899.98	249.87
		For Class 52 Rating, Deduct	*-277.35*	
		For Class 54 Rating, Add	*189.10*	
		For Class 55 Rating, Add	*420.31*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,961.38	251.55
		For Class 52 Rating, Deduct	*-283.83*	
		For Class 54 Rating, Add	*193.52*	
		For Class 55 Rating, Add	*430.12*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	814.35	234.79
		For Class 52 Rating, Deduct	*-50.45*	
		For Class 54 Rating, Add	*34.40*	
		For Class 55 Rating, Add	*76.45*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	890.96	236.47
		For Class 52 Rating, Deduct	*-58.60*	
		For Class 54 Rating, Add	*39.95*	
		For Class 55 Rating, Add	*88.80*	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	967.56	238.14
		For Class 52 Rating, Deduct	*-66.74*	
		For Class 54 Rating, Add	*45.51*	
		For Class 55 Rating, Add	*101.15*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,044.17	239.82
		For Class 52 Rating, Deduct	*-74.89*	
		For Class 54 Rating, Add	*51.06*	
		For Class 55 Rating, Add	*113.49*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,120.78	241.50
		For Class 52 Rating, Deduct	*-83.04*	
		For Class 54 Rating, Add	*56.62*	
		For Class 55 Rating, Add	*125.84*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,197.39	243.16
		For Class 52 Rating, Deduct	*-91.19*	
		For Class 54 Rating, Add	*62.17*	
		For Class 55 Rating, Add	*138.19*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,274.00	244.84
		For Class 52 Rating, Deduct	*-99.33*	
		For Class 54 Rating, Add	*67.73*	
		For Class 55 Rating, Add	*150.54*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.61	246.52
		For Class 52 Rating, Deduct	*-107.48*	
		For Class 54 Rating, Add	*73.28*	
		For Class 55 Rating, Add	*162.88*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,427.23	248.20
		For Class 52 Rating, Deduct	*-115.63*	
		For Class 54 Rating, Add	*78.84*	
		For Class 55 Rating, Add	*175.23*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.84	249.87
		For Class 52 Rating, Deduct	*-123.78*	
		For Class 54 Rating, Add	*84.39*	
		For Class 55 Rating, Add	*187.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,580.45	251.55
		For Class 52 Rating, Deduct	*-131.92*	
		For Class 54 Rating, Add	*89.95*	
		For Class 55 Rating, Add	*199.92*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,657.06	253.23
		For Class 52 Rating, Deduct	*-140.07*	
		For Class 54 Rating, Add	*95.50*	
		For Class 55 Rating, Add	*212.27*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,733.67	254.90
		For Class 52 Rating, Deduct	*-148.22*	
		For Class 54 Rating, Add	*101.06*	
		For Class 55 Rating, Add	*224.62*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.28	256.58
		For Class 52 Rating, Deduct	*-156.37*	
		For Class 54 Rating, Add	*106.61*	
		For Class 55 Rating, Add	*236.97*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,886.89	258.26
		For Class 52 Rating, Deduct	*-164.51*	
		For Class 54 Rating, Add	*112.17*	
		For Class 55 Rating, Add	*249.31*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,963.50	259.94
		For Class 52 Rating, Deduct	*-172.66*	
		For Class 54 Rating, Add	*117.72*	
		For Class 55 Rating, Add	*261.66*	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,040.11	261.61
		For Class 52 Rating, Deduct	*-180.81*	
		For Class 54 Rating, Add	*123.28*	
		For Class 55 Rating, Add	*274.01*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,116.72	263.29
		For Class 52 Rating, Deduct	*-188.96*	
		For Class 54 Rating, Add	*128.83*	
		For Class 55 Rating, Add	*286.36*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,193.32	264.97
		For Class 52 Rating, Deduct	*-197.10*	
		For Class 54 Rating, Add	*134.39*	
		For Class 55 Rating, Add	*298.70*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,269.93	266.64
		For Class 52 Rating, Deduct	*-205.25*	
		For Class 54 Rating, Add	*139.94*	
		For Class 55 Rating, Add	*311.05*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.54	268.32
		For Class 52 Rating, Deduct	*-213.40*	
		For Class 54 Rating, Add	*145.50*	
		For Class 55 Rating, Add	*323.40*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.15	270.00
		For Class 52 Rating, Deduct	*-221.55*	
		For Class 54 Rating, Add	*151.05*	
		For Class 55 Rating, Add	*335.74*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.77	271.68
		For Class 52 Rating, Deduct	*-229.69*	
		For Class 54 Rating, Add	*156.61*	
		For Class 55 Rating, Add	*348.09*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.38	273.35
		For Class 52 Rating, Deduct	*-237.84*	
		For Class 54 Rating, Add	*162.17*	
		For Class 55 Rating, Add	*360.44*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,652.99	275.03
		For Class 52 Rating, Deduct	*-245.99*	
		For Class 54 Rating, Add	*167.72*	
		For Class 55 Rating, Add	*372.79*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.60	276.71
		For Class 52 Rating, Deduct	*-254.14*	
		For Class 54 Rating, Add	*173.28*	
		For Class 55 Rating, Add	*385.13*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.20	278.39
		For Class 52 Rating, Deduct	*-262.28*	
		For Class 54 Rating, Add	*178.83*	
		For Class 55 Rating, Add	*397.48*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.81	280.06
		For Class 52 Rating, Deduct	*-270.43*	
		For Class 54 Rating, Add	*184.39*	
		For Class 55 Rating, Add	*409.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.42	281.73
		For Class 52 Rating, Deduct	*-278.58*	
		For Class 54 Rating, Add	*189.94*	
		For Class 55 Rating, Add	*422.17*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,036.03	283.41
		For Class 52 Rating, Deduct	*-286.73*	
		For Class 54 Rating, Add	*195.50*	
		For Class 55 Rating, Add	*434.52*	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.64	285.09
		For Class 52 Rating, Deduct	*-294.87*	
		For Class 54 Rating, Add	*201.05*	
		For Class 55 Rating, Add	*446.87*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,189.25	286.77
		For Class 52 Rating, Deduct	*-303.02*	
		For Class 54 Rating, Add	*206.61*	
		For Class 55 Rating, Add	*459.22*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.86	288.45
		For Class 52 Rating, Deduct	*-311.17*	
		For Class 54 Rating, Add	*212.16*	
		For Class 55 Rating, Add	*471.56*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,342.46	290.12
		For Class 52 Rating, Deduct	*-319.32*	
		For Class 54 Rating, Add	*217.72*	
		For Class 55 Rating, Add	*483.91*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,419.08	291.80
		For Class 52 Rating, Deduct	*-327.46*	
		For Class 54 Rating, Add	*223.27*	
		For Class 55 Rating, Add	*496.26*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,495.69	293.48
		For Class 52 Rating, Deduct	*-335.61*	
		For Class 54 Rating, Add	*228.83*	
		For Class 55 Rating, Add	*508.61*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,572.30	295.16
		For Class 52 Rating, Deduct	*-343.76*	
		For Class 54 Rating, Add	*234.38*	
		For Class 55 Rating, Add	*520.95*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,648.91	296.83
		For Class 52 Rating, Deduct	*-351.91*	
		For Class 54 Rating, Add	*239.94*	
		For Class 55 Rating, Add	*533.30*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,725.52	298.51
		For Class 52 Rating, Deduct	*-360.06*	
		For Class 54 Rating, Add	*245.49*	
		For Class 55 Rating, Add	*545.65*	
40 05 19 00-1229		**14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-1028)*		
40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,081.32	281.73
		For Class 52 Rating, Deduct	*-71.99*	
		For Class 54 Rating, Add	*49.08*	
		For Class 55 Rating, Add	*109.10*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.17	283.41
		For Class 52 Rating, Deduct	*-81.92*	
		For Class 54 Rating, Add	*55.86*	
		For Class 55 Rating, Add	*124.15*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,267.01	285.09
		For Class 52 Rating, Deduct	*-91.86*	
		For Class 54 Rating, Add	*62.63*	
		For Class 55 Rating, Add	*139.20*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.85	286.77
		For Class 52 Rating, Deduct	*-101.79*	
		For Class 54 Rating, Add	*69.40*	
		For Class 55 Rating, Add	*154.26*	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.69	288.45
		For Class 52 Rating, Deduct	*-111.72*	
		For Class 54 Rating, Add	*76.17*	
		For Class 55 Rating, Add	*169.31*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,545.54	290.12
		For Class 52 Rating, Deduct	*-121.66*	
		For Class 54 Rating, Add	*82.95*	
		For Class 55 Rating, Add	*184.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,638.39	291.80
		For Class 52 Rating, Deduct	*-131.59*	
		For Class 54 Rating, Add	*89.72*	
		For Class 55 Rating, Add	*199.42*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,731.23	293.48
		For Class 52 Rating, Deduct	*-141.52*	
		For Class 54 Rating, Add	*96.49*	
		For Class 55 Rating, Add	*214.47*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,824.08	295.16
		For Class 52 Rating, Deduct	*-151.46*	
		For Class 54 Rating, Add	*103.27*	
		For Class 55 Rating, Add	*229.52*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,916.92	296.83
		For Class 52 Rating, Deduct	*-161.39*	
		For Class 54 Rating, Add	*110.04*	
		For Class 55 Rating, Add	*244.58*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,009.76	298.51
		For Class 52 Rating, Deduct	*-171.32*	
		For Class 54 Rating, Add	*116.81*	
		For Class 55 Rating, Add	*259.63*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.61	300.19
		For Class 52 Rating, Deduct	*-181.26*	
		For Class 54 Rating, Add	*123.58*	
		For Class 55 Rating, Add	*274.68*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,195.45	301.87
		For Class 52 Rating, Deduct	*-191.19*	
		For Class 54 Rating, Add	*130.36*	
		For Class 55 Rating, Add	*289.74*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,288.29	303.54
		For Class 52 Rating, Deduct	*-201.12*	
		For Class 54 Rating, Add	*137.13*	
		For Class 55 Rating, Add	*304.79*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.13	305.22
		For Class 52 Rating, Deduct	*-211.05*	
		For Class 54 Rating, Add	*143.90*	
		For Class 55 Rating, Add	*319.84*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,473.98	306.90
		For Class 52 Rating, Deduct	*-220.99*	
		For Class 54 Rating, Add	*150.67*	
		For Class 55 Rating, Add	*334.90*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,566.82	308.57
		For Class 52 Rating, Deduct	*-230.92*	
		For Class 54 Rating, Add	*157.45*	
		For Class 55 Rating, Add	*349.95*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.66	310.25
		For Class 52 Rating, Deduct	*-240.85*	
		For Class 54 Rating, Add	*164.22*	
		For Class 55 Rating, Add	*365.00*	
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.52	311.93
		For Class 52 Rating, Deduct	*-250.79*	
		For Class 54 Rating, Add	*170.99*	
		For Class 55 Rating, Add	*380.06*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,845.36	313.61
		For Class 52 Rating, Deduct	*-260.72*	
		For Class 54 Rating, Add	*177.77*	
		For Class 55 Rating, Add	*395.11*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,938.20	315.28
		For Class 52 Rating, Deduct	*-270.66*	
		For Class 54 Rating, Add	*184.54*	
		For Class 55 Rating, Add	*410.17*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.04	316.96
		For Class 52 Rating, Deduct	*-280.59*	
		For Class 54 Rating, Add	*191.31*	
		For Class 55 Rating, Add	*425.22*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,123.89	318.63
		For Class 52 Rating, Deduct	*-290.52*	
		For Class 54 Rating, Add	*198.08*	
		For Class 55 Rating, Add	*440.27*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,216.73	320.31
		For Class 52 Rating, Deduct	*-300.46*	
		For Class 54 Rating, Add	*204.86*	
		For Class 55 Rating, Add	*455.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.57	321.98
		For Class 52 Rating, Deduct	*-310.39*	
		For Class 54 Rating, Add	*211.63*	
		For Class 55 Rating, Add	*470.38*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,402.42	323.66
		For Class 52 Rating, Deduct	*-320.32*	
		For Class 54 Rating, Add	*218.40*	
		For Class 55 Rating, Add	*485.43*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,495.26	325.34
		For Class 52 Rating, Deduct	*-330.26*	
		For Class 54 Rating, Add	*225.17*	
		For Class 55 Rating, Add	*500.49*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.10	327.01
		For Class 52 Rating, Deduct	*-340.19*	
		For Class 54 Rating, Add	*231.95*	
		For Class 55 Rating, Add	*515.54*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,680.95	328.69
		For Class 52 Rating, Deduct	*-350.12*	
		For Class 54 Rating, Add	*238.72*	
		For Class 55 Rating, Add	*530.59*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.79	330.37
		For Class 52 Rating, Deduct	*-360.06*	
		For Class 54 Rating, Add	*245.49*	
		For Class 55 Rating, Add	*545.65*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,866.64	332.05
		For Class 52 Rating, Deduct	*-369.99*	
		For Class 54 Rating, Add	*252.26*	
		For Class 55 Rating, Add	*560.70*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,959.48	333.72
		For Class 52 Rating, Deduct	*-379.92*	
		For Class 54 Rating, Add	*259.04*	
		For Class 55 Rating, Add	*575.75*	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,052.33	335.40
		For Class 52 Rating, Deduct	*-389.86*	
		For Class 54 Rating, Add	*265.81*	
		For Class 55 Rating, Add	*590.81*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,145.17	337.08
		For Class 52 Rating, Deduct	*-399.79*	
		For Class 54 Rating, Add	*272.58*	
		For Class 55 Rating, Add	*605.86*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,238.01	338.76
		For Class 52 Rating, Deduct	*-409.72*	
		For Class 54 Rating, Add	*279.36*	
		For Class 55 Rating, Add	*620.91*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,330.86	340.43
		For Class 52 Rating, Deduct	*-419.66*	
		For Class 54 Rating, Add	*286.13*	
		For Class 55 Rating, Add	*635.97*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,423.70	342.11
		For Class 52 Rating, Deduct	*-429.59*	
		For Class 54 Rating, Add	*292.90*	
		For Class 55 Rating, Add	*651.02*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,516.54	343.79
		For Class 52 Rating, Deduct	*-439.52*	
		For Class 54 Rating, Add	*299.67*	
		For Class 55 Rating, Add	*666.07*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.03	321.98
		For Class 52 Rating, Deduct	*-85.16*	
		For Class 54 Rating, Add	*58.06*	
		For Class 55 Rating, Add	*129.05*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,370.09	323.66
		For Class 52 Rating, Deduct	*-96.77*	
		For Class 54 Rating, Add	*65.98*	
		For Class 55 Rating, Add	*146.64*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.16	325.34
		For Class 52 Rating, Deduct	*-108.37*	
		For Class 54 Rating, Add	*73.89*	
		For Class 55 Rating, Add	*164.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,586.22	327.01
		For Class 52 Rating, Deduct	*-119.98*	
		For Class 54 Rating, Add	*81.81*	
		For Class 55 Rating, Add	*181.83*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.28	328.69
		For Class 52 Rating, Deduct	*-131.59*	
		For Class 54 Rating, Add	*89.72*	
		For Class 55 Rating, Add	*199.42*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.34	330.37
		For Class 52 Rating, Deduct	*-143.20*	
		For Class 54 Rating, Add	*97.63*	
		For Class 55 Rating, Add	*217.01*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,910.42	332.05
		For Class 52 Rating, Deduct	*-154.80*	
		For Class 54 Rating, Add	*105.55*	
		For Class 55 Rating, Add	*234.60*	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,018.48	333.72
		For Class 52 Rating, Deduct	*-166.41*	
		For Class 54 Rating, Add	*113.46*	
		For Class 55 Rating, Add	*252.19*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,126.54	335.40
		For Class 52 Rating, Deduct	*-178.02*	
		For Class 54 Rating, Add	*121.38*	
		For Class 55 Rating, Add	*269.78*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,234.60	337.08
		For Class 52 Rating, Deduct	*-189.63*	
		For Class 54 Rating, Add	*129.29*	
		For Class 55 Rating, Add	*287.37*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.67	338.76
		For Class 52 Rating, Deduct	*-201.23*	
		For Class 54 Rating, Add	*137.21*	
		For Class 55 Rating, Add	*304.96*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.73	340.43
		For Class 52 Rating, Deduct	*-212.84*	
		For Class 54 Rating, Add	*145.12*	
		For Class 55 Rating, Add	*322.55*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,558.79	342.11
		For Class 52 Rating, Deduct	*-224.45*	
		For Class 54 Rating, Add	*153.03*	
		For Class 55 Rating, Add	*340.14*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,666.85	343.79
		For Class 52 Rating, Deduct	*-236.06*	
		For Class 54 Rating, Add	*160.95*	
		For Class 55 Rating, Add	*357.73*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.92	345.47
		For Class 52 Rating, Deduct	*-247.66*	
		For Class 54 Rating, Add	*168.86*	
		For Class 55 Rating, Add	*375.32*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.98	347.15
		For Class 52 Rating, Deduct	*-259.27*	
		For Class 54 Rating, Add	*176.78*	
		For Class 55 Rating, Add	*392.91*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,991.04	348.82
		For Class 52 Rating, Deduct	*-270.88*	
		For Class 54 Rating, Add	*184.69*	
		For Class 55 Rating, Add	*410.50*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,099.10	350.50
		For Class 52 Rating, Deduct	*-282.49*	
		For Class 54 Rating, Add	*192.60*	
		For Class 55 Rating, Add	*428.09*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.18	352.18
		For Class 52 Rating, Deduct	*-294.09*	
		For Class 54 Rating, Add	*200.52*	
		For Class 55 Rating, Add	*445.69*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.24	353.86
		For Class 52 Rating, Deduct	*-305.70*	
		For Class 54 Rating, Add	*208.43*	
		For Class 55 Rating, Add	*463.28*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,423.30	355.53
		For Class 52 Rating, Deduct	*-317.31*	
		For Class 54 Rating, Add	*216.35*	
		For Class 55 Rating, Add	*480.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,531.36	357.20
		For Class 52 Rating, Deduct	*-328.92*	
		For Class 54 Rating, Add	*224.26*	
		For Class 55 Rating, Add	*498.46*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,639.43	358.88
		For Class 52 Rating, Deduct	*-340.52*	
		For Class 54 Rating, Add	*232.18*	
		For Class 55 Rating, Add	*516.05*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,747.49	360.56
		For Class 52 Rating, Deduct	*-352.13*	
		For Class 54 Rating, Add	*240.09*	
		For Class 55 Rating, Add	*533.64*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,855.55	362.24
		For Class 52 Rating, Deduct	*-363.74*	
		For Class 54 Rating, Add	*248.00*	
		For Class 55 Rating, Add	*551.23*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.61	363.91
		For Class 52 Rating, Deduct	*-375.35*	
		For Class 54 Rating, Add	*255.92*	
		For Class 55 Rating, Add	*568.82*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.68	365.59
		For Class 52 Rating, Deduct	*-386.95*	
		For Class 54 Rating, Add	*263.83*	
		For Class 55 Rating, Add	*586.41*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,179.74	367.27
		For Class 52 Rating, Deduct	*-398.56*	
		For Class 54 Rating, Add	*271.75*	
		For Class 55 Rating, Add	*604.00*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,287.80	368.94
		For Class 52 Rating, Deduct	*-410.17*	
		For Class 54 Rating, Add	*279.66*	
		For Class 55 Rating, Add	*621.59*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,395.86	370.62
		For Class 52 Rating, Deduct	*-421.78*	
		For Class 54 Rating, Add	*287.57*	
		For Class 55 Rating, Add	*639.18*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,503.94	372.30
		For Class 52 Rating, Deduct	*-433.38*	
		For Class 54 Rating, Add	*295.49*	
		For Class 55 Rating, Add	*656.77*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,612.00	373.98
		For Class 52 Rating, Deduct	*-444.99*	
		For Class 54 Rating, Add	*303.40*	
		For Class 55 Rating, Add	*674.36*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,720.06	375.65
		For Class 52 Rating, Deduct	*-456.60*	
		For Class 54 Rating, Add	*311.32*	
		For Class 55 Rating, Add	*691.95*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,828.12	377.33
		For Class 52 Rating, Deduct	*-468.21*	
		For Class 54 Rating, Add	*319.23*	
		For Class 55 Rating, Add	*709.54*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,936.19	379.01
		For Class 52 Rating, Deduct	*-479.81*	
		For Class 54 Rating, Add	*327.15*	
		For Class 55 Rating, Add	*727.14*	
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,044.25	380.68
		For Class 52 Rating, Deduct	*-491.42*	
		For Class 54 Rating, Add	*335.06*	
		For Class 55 Rating, Add	*744.73*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,152.31	382.36
		For Class 52 Rating, Deduct	*-503.03*	
		For Class 54 Rating, Add	*342.97*	
		For Class 55 Rating, Add	*762.32*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,260.37	384.04
		For Class 52 Rating, Deduct	*-514.64*	
		For Class 54 Rating, Add	*350.89*	
		For Class 55 Rating, Add	*779.91*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.96	362.91
		For Class 52 Rating, Deduct	*-99.89*	
		For Class 54 Rating, Add	*68.11*	
		For Class 55 Rating, Add	*151.38*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.26	364.58
		For Class 52 Rating, Deduct	*-113.28*	
		For Class 54 Rating, Add	*77.24*	
		For Class 55 Rating, Add	*171.68*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,706.56	366.26
		For Class 52 Rating, Deduct	*-126.68*	
		For Class 54 Rating, Add	*86.37*	
		For Class 55 Rating, Add	*191.98*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,830.85	367.94
		For Class 52 Rating, Deduct	*-140.07*	
		For Class 54 Rating, Add	*95.50*	
		For Class 55 Rating, Add	*212.27*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.15	369.62
		For Class 52 Rating, Deduct	*-153.46*	
		For Class 54 Rating, Add	*104.63*	
		For Class 55 Rating, Add	*232.57*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,079.45	371.29
		For Class 52 Rating, Deduct	*-166.86*	
		For Class 54 Rating, Add	*113.77*	
		For Class 55 Rating, Add	*252.87*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,203.75	372.97
		For Class 52 Rating, Deduct	*-180.25*	
		For Class 54 Rating, Add	*122.90*	
		For Class 55 Rating, Add	*273.16*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,328.05	374.65
		For Class 52 Rating, Deduct	*-193.64*	
		For Class 54 Rating, Add	*132.03*	
		For Class 55 Rating, Add	*293.46*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,452.35	376.33
		For Class 52 Rating, Deduct	*-207.04*	
		For Class 54 Rating, Add	*141.16*	
		For Class 55 Rating, Add	*313.76*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.64	378.00
		For Class 52 Rating, Deduct	*-220.43*	
		For Class 54 Rating, Add	*150.29*	
		For Class 55 Rating, Add	*334.05*	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,700.94	379.68
		For Class 52 Rating, Deduct	*-233.82*	
		For Class 54 Rating, Add	*159.43*	
		For Class 55 Rating, Add	*354.35*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,825.24	381.36
		For Class 52 Rating, Deduct	*-247.22*	
		For Class 54 Rating, Add	*168.56*	
		For Class 55 Rating, Add	*374.65*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.53	383.03
		For Class 52 Rating, Deduct	*-260.61*	
		For Class 54 Rating, Add	*177.69*	
		For Class 55 Rating, Add	*394.94*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.83	384.71
		For Class 52 Rating, Deduct	*-274.00*	
		For Class 54 Rating, Add	*186.82*	
		For Class 55 Rating, Add	*415.24*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.13	386.39
		For Class 52 Rating, Deduct	*-287.40*	
		For Class 54 Rating, Add	*195.95*	
		For Class 55 Rating, Add	*435.54*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.42	388.07
		For Class 52 Rating, Deduct	*-300.79*	
		For Class 54 Rating, Add	*205.08*	
		For Class 55 Rating, Add	*455.83*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,446.72	389.74
		For Class 52 Rating, Deduct	*-314.18*	
		For Class 54 Rating, Add	*214.22*	
		For Class 55 Rating, Add	*476.13*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,571.02	391.42
		For Class 52 Rating, Deduct	*-327.58*	
		For Class 54 Rating, Add	*223.35*	
		For Class 55 Rating, Add	*496.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,695.33	393.09
		For Class 52 Rating, Deduct	*-340.97*	
		For Class 54 Rating, Add	*232.48*	
		For Class 55 Rating, Add	*516.72*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,819.62	394.76
		For Class 52 Rating, Deduct	*-354.36*	
		For Class 54 Rating, Add	*241.61*	
		For Class 55 Rating, Add	*537.02*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,943.92	396.44
		For Class 52 Rating, Deduct	*-367.76*	
		For Class 54 Rating, Add	*250.74*	
		For Class 55 Rating, Add	*557.32*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,068.22	398.12
		For Class 52 Rating, Deduct	*-381.15*	
		For Class 54 Rating, Add	*259.88*	
		For Class 55 Rating, Add	*577.62*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,192.51	399.80
		For Class 52 Rating, Deduct	*-394.54*	
		For Class 54 Rating, Add	*269.01*	
		For Class 55 Rating, Add	*597.91*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,316.81	401.47
		For Class 52 Rating, Deduct	*-407.94*	
		For Class 54 Rating, Add	*278.14*	
		For Class 55 Rating, Add	*618.21*	
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,441.11	403.15
		For Class 52 Rating, Deduct	*-421.33*	
		For Class 54 Rating, Add	*287.27*	
		For Class 55 Rating, Add	*638.51*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,565.40	404.83
		For Class 52 Rating, Deduct	*-434.72*	
		For Class 54 Rating, Add	*296.40*	
		For Class 55 Rating, Add	*658.80*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,689.70	406.51
		For Class 52 Rating, Deduct	*-448.12*	
		For Class 54 Rating, Add	*305.53*	
		For Class 55 Rating, Add	*679.10*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,814.00	408.18
		For Class 52 Rating, Deduct	*-461.51*	
		For Class 54 Rating, Add	*314.67*	
		For Class 55 Rating, Add	*699.40*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.29	409.86
		For Class 52 Rating, Deduct	*-474.90*	
		For Class 54 Rating, Add	*323.80*	
		For Class 55 Rating, Add	*719.69*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,062.59	411.54
		For Class 52 Rating, Deduct	*-488.30*	
		For Class 54 Rating, Add	*332.93*	
		For Class 55 Rating, Add	*739.99*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,186.90	413.21
		For Class 52 Rating, Deduct	*-501.69*	
		For Class 54 Rating, Add	*342.06*	
		For Class 55 Rating, Add	*760.29*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,311.19	414.89
		For Class 52 Rating, Deduct	*-515.08*	
		For Class 54 Rating, Add	*351.19*	
		For Class 55 Rating, Add	*780.58*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,435.49	416.57
		For Class 52 Rating, Deduct	*-528.48*	
		For Class 54 Rating, Add	*360.32*	
		For Class 55 Rating, Add	*800.88*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,559.79	418.25
		For Class 52 Rating, Deduct	*-541.87*	
		For Class 54 Rating, Add	*369.46*	
		For Class 55 Rating, Add	*821.18*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.08	419.93
		For Class 52 Rating, Deduct	*-555.26*	
		For Class 54 Rating, Add	*378.59*	
		For Class 55 Rating, Add	*841.47*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,808.38	421.61
		For Class 52 Rating, Deduct	*-568.65*	
		For Class 54 Rating, Add	*387.72*	
		For Class 55 Rating, Add	*861.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.68	423.28
		For Class 52 Rating, Deduct	*-582.05*	
		For Class 54 Rating, Add	*396.85*	
		For Class 55 Rating, Add	*882.07*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,056.97	424.96
		For Class 52 Rating, Deduct	*-595.44*	
		For Class 54 Rating, Add	*405.98*	
		For Class 55 Rating, Add	*902.36*	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.05	414.23
		For Class 52 Rating, Deduct	*-117.64*	
		For Class 54 Rating, Add	*80.21*	
		For Class 55 Rating, Add	*178.27*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,839.61	415.90
		For Class 52 Rating, Deduct	*-133.04*	
		For Class 54 Rating, Add	*90.71*	
		For Class 55 Rating, Add	*201.62*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,982.17	417.58
		For Class 52 Rating, Deduct	*-148.44*	
		For Class 54 Rating, Add	*101.21*	
		For Class 55 Rating, Add	*224.96*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.73	419.26
		For Class 52 Rating, Deduct	*-163.84*	
		For Class 54 Rating, Add	*111.71*	
		For Class 55 Rating, Add	*248.30*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,267.29	420.94
		For Class 52 Rating, Deduct	*-179.25*	
		For Class 54 Rating, Add	*122.21*	
		For Class 55 Rating, Add	*271.64*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,409.85	422.61
		For Class 52 Rating, Deduct	*-194.65*	
		For Class 54 Rating, Add	*132.71*	
		For Class 55 Rating, Add	*294.98*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,552.41	424.29
		For Class 52 Rating, Deduct	*-210.05*	
		For Class 54 Rating, Add	*143.22*	
		For Class 55 Rating, Add	*318.32*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.97	425.97
		For Class 52 Rating, Deduct	*-225.45*	
		For Class 54 Rating, Add	*153.72*	
		For Class 55 Rating, Add	*341.66*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,837.53	427.65
		For Class 52 Rating, Deduct	*-240.85*	
		For Class 54 Rating, Add	*164.22*	
		For Class 55 Rating, Add	*365.00*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,980.09	429.31
		For Class 52 Rating, Deduct	*-256.26*	
		For Class 54 Rating, Add	*174.72*	
		For Class 55 Rating, Add	*388.35*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.65	430.99
		For Class 52 Rating, Deduct	*-271.66*	
		For Class 54 Rating, Add	*185.22*	
		For Class 55 Rating, Add	*411.69*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.22	432.67
		For Class 52 Rating, Deduct	*-287.06*	
		For Class 54 Rating, Add	*195.72*	
		For Class 55 Rating, Add	*435.03*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,407.78	434.34
		For Class 52 Rating, Deduct	*-302.46*	
		For Class 54 Rating, Add	*206.23*	
		For Class 55 Rating, Add	*458.37*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,550.34	436.02
		For Class 52 Rating, Deduct	*-317.87*	
		For Class 54 Rating, Add	*216.73*	
		For Class 55 Rating, Add	*481.71*	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,692.91	437.70
		For Class 52 Rating, Deduct	*-333.27*	
		For Class 54 Rating, Add	*227.23*	
		For Class 55 Rating, Add	*505.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,835.47	439.38
		For Class 52 Rating, Deduct	*-348.67*	
		For Class 54 Rating, Add	*237.73*	
		For Class 55 Rating, Add	*528.40*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.03	441.05
		For Class 52 Rating, Deduct	*-364.07*	
		For Class 54 Rating, Add	*248.23*	
		For Class 55 Rating, Add	*551.74*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.59	442.73
		For Class 52 Rating, Deduct	*-379.48*	
		For Class 54 Rating, Add	*258.73*	
		For Class 55 Rating, Add	*575.08*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,263.15	444.41
		For Class 52 Rating, Deduct	*-394.88*	
		For Class 54 Rating, Add	*269.24*	
		For Class 55 Rating, Add	*598.42*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,405.71	446.09
		For Class 52 Rating, Deduct	*-410.28*	
		For Class 54 Rating, Add	*279.74*	
		For Class 55 Rating, Add	*621.76*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,548.27	447.76
		For Class 52 Rating, Deduct	*-425.68*	
		For Class 54 Rating, Add	*290.24*	
		For Class 55 Rating, Add	*645.10*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,690.83	449.44
		For Class 52 Rating, Deduct	*-441.08*	
		For Class 54 Rating, Add	*300.74*	
		For Class 55 Rating, Add	*668.44*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,833.39	451.12
		For Class 52 Rating, Deduct	*-456.49*	
		For Class 54 Rating, Add	*311.24*	
		For Class 55 Rating, Add	*691.79*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,975.96	452.79
		For Class 52 Rating, Deduct	*-471.89*	
		For Class 54 Rating, Add	*321.74*	
		For Class 55 Rating, Add	*715.13*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,118.52	454.47
		For Class 52 Rating, Deduct	*-487.29*	
		For Class 54 Rating, Add	*332.24*	
		For Class 55 Rating, Add	*738.47*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,261.08	456.15
		For Class 52 Rating, Deduct	*-502.69*	
		For Class 54 Rating, Add	*342.75*	
		For Class 55 Rating, Add	*761.81*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,403.64	457.83
		For Class 52 Rating, Deduct	*-518.10*	
		For Class 54 Rating, Add	*353.25*	
		For Class 55 Rating, Add	*785.15*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,546.20	459.50
		For Class 52 Rating, Deduct	*-533.50*	
		For Class 54 Rating, Add	*363.75*	
		For Class 55 Rating, Add	*808.49*	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,688.76	461.18
		For Class 52 Rating, Deduct	*-548.90*	
		For Class 54 Rating, Add	*374.25*	
		For Class 55 Rating, Add	*831.83*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,831.32	462.86
		For Class 52 Rating, Deduct	*-564.30*	
		For Class 54 Rating, Add	*384.75*	
		For Class 55 Rating, Add	*855.17*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,973.88	464.54
		For Class 52 Rating, Deduct	*-579.70*	
		For Class 54 Rating, Add	*395.25*	
		For Class 55 Rating, Add	*878.52*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,116.44	466.21
		For Class 52 Rating, Deduct	*-595.11*	
		For Class 54 Rating, Add	*405.75*	
		For Class 55 Rating, Add	*901.86*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,259.00	467.88
		For Class 52 Rating, Deduct	*-610.51*	
		For Class 54 Rating, Add	*416.26*	
		For Class 55 Rating, Add	*925.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,401.56	469.56
		For Class 52 Rating, Deduct	*-625.91*	
		For Class 54 Rating, Add	*426.76*	
		For Class 55 Rating, Add	*948.54*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,544.12	471.24
		For Class 52 Rating, Deduct	*-641.31*	
		For Class 54 Rating, Add	*437.26*	
		For Class 55 Rating, Add	*971.88*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,686.69	472.92
		For Class 52 Rating, Deduct	*-656.72*	
		For Class 54 Rating, Add	*447.76*	
		For Class 55 Rating, Add	*995.22*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,829.25	474.59
		For Class 52 Rating, Deduct	*-672.12*	
		For Class 54 Rating, Add	*458.26*	
		For Class 55 Rating, Add	*1,018.56*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,971.81	476.27
		For Class 52 Rating, Deduct	*-687.52*	
		For Class 54 Rating, Add	*468.76*	
		For Class 55 Rating, Add	*1,041.91*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.22	489.69
		For Class 52 Rating, Deduct	*-146.88*	
		For Class 54 Rating, Add	*100.15*	
		For Class 55 Rating, Add	*222.59*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.26	491.37
		For Class 52 Rating, Deduct	*-165.96*	
		For Class 54 Rating, Add	*113.16*	
		For Class 55 Rating, Add	*251.51*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,429.31	493.05
		For Class 52 Rating, Deduct	*-185.05*	
		For Class 54 Rating, Add	*126.17*	
		For Class 55 Rating, Add	*280.43*	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,605.36	494.72
		For Class 52 Rating, Deduct	*-204.14*	
		For Class 54 Rating, Add	*139.18*	
		For Class 55 Rating, Add	*309.36*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,781.40	496.40
		For Class 52 Rating, Deduct	*-223.22*	
		For Class 54 Rating, Add	*152.20*	
		For Class 55 Rating, Add	*338.28*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,957.44	498.08
		For Class 52 Rating, Deduct	*-242.31*	
		For Class 54 Rating, Add	*165.21*	
		For Class 55 Rating, Add	*367.20*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,133.49	499.76
		For Class 52 Rating, Deduct	*-261.39*	
		For Class 54 Rating, Add	*178.22*	
		For Class 55 Rating, Add	*396.13*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.53	501.43
		For Class 52 Rating, Deduct	*-280.48*	
		For Class 54 Rating, Add	*191.23*	
		For Class 55 Rating, Add	*425.05*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.57	503.11
		For Class 52 Rating, Deduct	*-299.56*	
		For Class 54 Rating, Add	*204.25*	
		For Class 55 Rating, Add	*453.97*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,661.62	504.78
		For Class 52 Rating, Deduct	*-318.65*	
		For Class 54 Rating, Add	*217.26*	
		For Class 55 Rating, Add	*482.90*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,837.66	506.45
		For Class 52 Rating, Deduct	*-337.73*	
		For Class 54 Rating, Add	*230.27*	
		For Class 55 Rating, Add	*511.82*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,013.70	508.13
		For Class 52 Rating, Deduct	*-356.82*	
		For Class 54 Rating, Add	*243.29*	
		For Class 55 Rating, Add	*540.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.75	509.81
		For Class 52 Rating, Deduct	*-375.90*	
		For Class 54 Rating, Add	*256.30*	
		For Class 55 Rating, Add	*569.67*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,365.79	511.49
		For Class 52 Rating, Deduct	*-394.99*	
		For Class 54 Rating, Add	*269.31*	
		For Class 55 Rating, Add	*598.59*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,541.84	513.16
		For Class 52 Rating, Deduct	*-414.07*	
		For Class 54 Rating, Add	*282.32*	
		For Class 55 Rating, Add	*627.51*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,717.89	514.84
		For Class 52 Rating, Deduct	*-433.16*	
		For Class 54 Rating, Add	*295.34*	
		For Class 55 Rating, Add	*656.43*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,893.93	516.52
		For Class 52 Rating, Deduct	*-452.25*	
		For Class 54 Rating, Add	*308.35*	
		For Class 55 Rating, Add	*685.36*	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,069.97	518.19
		For Class 52 Rating, Deduct	*-471.33*	
		For Class 54 Rating, Add	*321.36*	
		For Class 55 Rating, Add	*714.28*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,246.02	519.87
		For Class 52 Rating, Deduct	*-490.42*	
		For Class 54 Rating, Add	*334.37*	
		For Class 55 Rating, Add	*743.20*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,422.06	521.55
		For Class 52 Rating, Deduct	*-509.50*	
		For Class 54 Rating, Add	*347.39*	
		For Class 55 Rating, Add	*772.13*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,598.11	523.23
		For Class 52 Rating, Deduct	*-528.59*	
		For Class 54 Rating, Add	*360.40*	
		For Class 55 Rating, Add	*801.05*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,774.15	524.90
		For Class 52 Rating, Deduct	*-547.67*	
		For Class 54 Rating, Add	*373.41*	
		For Class 55 Rating, Add	*829.97*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,950.19	526.58
		For Class 52 Rating, Deduct	*-566.76*	
		For Class 54 Rating, Add	*386.43*	
		For Class 55 Rating, Add	*858.90*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,126.24	528.26
		For Class 52 Rating, Deduct	*-585.84*	
		For Class 54 Rating, Add	*399.44*	
		For Class 55 Rating, Add	*887.82*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,302.28	529.94
		For Class 52 Rating, Deduct	*-604.93*	
		For Class 54 Rating, Add	*412.45*	
		For Class 55 Rating, Add	*916.74*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,478.32	531.62
		For Class 52 Rating, Deduct	*-624.01*	
		For Class 54 Rating, Add	*425.46*	
		For Class 55 Rating, Add	*945.66*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,654.38	533.29
		For Class 52 Rating, Deduct	*-643.10*	
		For Class 54 Rating, Add	*438.48*	
		For Class 55 Rating, Add	*974.59*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,830.42	534.97
		For Class 52 Rating, Deduct	*-662.18*	
		For Class 54 Rating, Add	*451.49*	
		For Class 55 Rating, Add	*1,003.51*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,006.46	536.65
		For Class 52 Rating, Deduct	*-681.27*	
		For Class 54 Rating, Add	*464.50*	
		For Class 55 Rating, Add	*1,032.43*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,225.70	566.83
		For Class 52 Rating, Deduct	*-700.36*	
		For Class 54 Rating, Add	*477.52*	
		For Class 55 Rating, Add	*1,061.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,401.74	568.51
		For Class 52 Rating, Deduct	*-719.44*	
		For Class 54 Rating, Add	*490.53*	
		For Class 55 Rating, Add	*1,090.28*	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,577.78	570.19
		For Class 52 Rating, Deduct	*-738.53*	
		For Class 54 Rating, Add	*503.54*	
		For Class 55 Rating, Add	*1,119.20*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,753.83	571.87
		For Class 52 Rating, Deduct	*-757.61*	
		For Class 54 Rating, Add	*516.55*	
		For Class 55 Rating, Add	*1,148.13*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,929.88	573.54
		For Class 52 Rating, Deduct	*-776.70*	
		For Class 54 Rating, Add	*529.57*	
		For Class 55 Rating, Add	*1,177.05*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,105.92	575.22
		For Class 52 Rating, Deduct	*-795.78*	
		For Class 54 Rating, Add	*542.58*	
		For Class 55 Rating, Add	*1,205.97*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,281.97	576.90
		For Class 52 Rating, Deduct	*-814.87*	
		For Class 54 Rating, Add	*555.59*	
		For Class 55 Rating, Add	*1,234.90*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,458.01	578.56
		For Class 52 Rating, Deduct	*-833.95*	
		For Class 54 Rating, Add	*568.60*	
		For Class 55 Rating, Add	*1,263.82*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,634.06	580.24
		For Class 52 Rating, Deduct	*-853.04*	
		For Class 54 Rating, Add	*581.62*	
		For Class 55 Rating, Add	*1,292.74*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,157.31	690.94
		For Class 52 Rating, Deduct	*-232.15*	
		For Class 54 Rating, Add	*158.28*	
		For Class 55 Rating, Add	*351.81*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.47	692.60
		For Class 52 Rating, Deduct	*-259.72*	
		For Class 54 Rating, Add	*177.08*	
		For Class 55 Rating, Add	*393.59*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,663.63	694.28
		For Class 52 Rating, Deduct	*-287.28*	
		For Class 54 Rating, Add	*195.88*	
		For Class 55 Rating, Add	*435.37*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,916.79	695.96
		For Class 52 Rating, Deduct	*-314.85*	
		For Class 54 Rating, Add	*214.67*	
		For Class 55 Rating, Add	*477.15*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,169.95	697.64
		For Class 52 Rating, Deduct	*-342.42*	
		For Class 54 Rating, Add	*233.47*	
		For Class 55 Rating, Add	*518.92*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,423.10	699.31
		For Class 52 Rating, Deduct	*-369.99*	
		For Class 54 Rating, Add	*252.26*	
		For Class 55 Rating, Add	*560.70*	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,676.26	700.99
		For Class 52 Rating, Deduct	*-397.56*	
		For Class 54 Rating, Add	*271.06*	
		For Class 55 Rating, Add	*602.48*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,929.41	702.67
		For Class 52 Rating, Deduct	*-425.12*	
		For Class 54 Rating, Add	*289.86*	
		For Class 55 Rating, Add	*644.26*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,182.57	704.34
		For Class 52 Rating, Deduct	*-452.69*	
		For Class 54 Rating, Add	*308.65*	
		For Class 55 Rating, Add	*686.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,435.73	706.02
		For Class 52 Rating, Deduct	*-480.26*	
		For Class 54 Rating, Add	*327.45*	
		For Class 55 Rating, Add	*727.81*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,688.88	707.70
		For Class 52 Rating, Deduct	*-507.83*	
		For Class 54 Rating, Add	*346.25*	
		For Class 55 Rating, Add	*769.59*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,942.04	709.38
		For Class 52 Rating, Deduct	*-535.40*	
		For Class 54 Rating, Add	*365.04*	
		For Class 55 Rating, Add	*811.37*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,195.19	711.05
		For Class 52 Rating, Deduct	*-562.96*	
		For Class 54 Rating, Add	*383.84*	
		For Class 55 Rating, Add	*853.14*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,448.35	712.73
		For Class 52 Rating, Deduct	*-590.53*	
		For Class 54 Rating, Add	*402.63*	
		For Class 55 Rating, Add	*894.92*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,701.52	714.41
		For Class 52 Rating, Deduct	*-618.10*	
		For Class 54 Rating, Add	*421.43*	
		For Class 55 Rating, Add	*936.70*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,954.67	716.09
		For Class 52 Rating, Deduct	*-645.67*	
		For Class 54 Rating, Add	*440.23*	
		For Class 55 Rating, Add	*978.48*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,207.83	717.76
		For Class 52 Rating, Deduct	*-673.23*	
		For Class 54 Rating, Add	*459.02*	
		For Class 55 Rating, Add	*1,020.26*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,460.98	719.44
		For Class 52 Rating, Deduct	*-700.80*	
		For Class 54 Rating, Add	*477.82*	
		For Class 55 Rating, Add	*1,062.03*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,714.14	721.12
		For Class 52 Rating, Deduct	*-728.37*	
		For Class 54 Rating, Add	*496.62*	
		For Class 55 Rating, Add	*1,103.81*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,967.30	722.80
		For Class 52 Rating, Deduct	*-755.94*	
		For Class 54 Rating, Add	*515.41*	
		For Class 55 Rating, Add	*1,145.59*	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,220.45	724.48
		For Class 52 Rating, Deduct	*-783.50*	
		For Class 54 Rating, Add	*534.21*	
		For Class 55 Rating, Add	*1,187.37*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,473.61	726.15
		For Class 52 Rating, Deduct	*-811.07*	
		For Class 54 Rating, Add	*553.00*	
		For Class 55 Rating, Add	*1,229.14*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,726.76	727.82
		For Class 52 Rating, Deduct	*-838.64*	
		For Class 54 Rating, Add	*571.80*	
		For Class 55 Rating, Add	*1,270.92*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,979.92	729.50
		For Class 52 Rating, Deduct	*-866.21*	
		For Class 54 Rating, Add	*590.60*	
		For Class 55 Rating, Add	*1,312.70*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,233.08	731.18
		For Class 52 Rating, Deduct	*-893.78*	
		For Class 54 Rating, Add	*609.39*	
		For Class 55 Rating, Add	*1,354.48*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,486.23	732.86
		For Class 52 Rating, Deduct	*-921.34*	
		For Class 54 Rating, Add	*628.19*	
		For Class 55 Rating, Add	*1,396.25*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,739.40	734.53
		For Class 52 Rating, Deduct	*-948.91*	
		For Class 54 Rating, Add	*646.99*	
		For Class 55 Rating, Add	*1,438.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,992.56	736.21
		For Class 52 Rating, Deduct	*-976.48*	
		For Class 54 Rating, Add	*665.78*	
		For Class 55 Rating, Add	*1,479.81*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,245.71	737.89
		For Class 52 Rating, Deduct	*-1,004.05*	
		For Class 54 Rating, Add	*684.58*	
		For Class 55 Rating, Add	*1,521.59*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,498.87	739.57
		For Class 52 Rating, Deduct	*-1,031.62*	
		For Class 54 Rating, Add	*703.37*	
		For Class 55 Rating, Add	*1,563.37*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,752.02	741.24
		For Class 52 Rating, Deduct	*-1,059.18*	
		For Class 54 Rating, Add	*722.17*	
		For Class 55 Rating, Add	*1,605.14*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,005.18	742.92
		For Class 52 Rating, Deduct	*-1,086.75*	
		For Class 54 Rating, Add	*740.97*	
		For Class 55 Rating, Add	*1,646.92*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,258.34	744.60
		For Class 52 Rating, Deduct	*-1,114.32*	
		For Class 54 Rating, Add	*759.76*	
		For Class 55 Rating, Add	*1,688.70*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,511.50	746.27
		For Class 52 Rating, Deduct	*-1,141.89*	
		For Class 54 Rating, Add	*778.56*	
		For Class 55 Rating, Add	*1,730.48*	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,764.66	747.95
		For Class 52 Rating, Deduct	*-1,169.45*	
		For Class 54 Rating, Add	*797.36*	
		For Class 55 Rating, Add	*1,772.25*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,017.81	749.63
		For Class 52 Rating, Deduct	*-1,197.02*	
		For Class 54 Rating, Add	*816.15*	
		For Class 55 Rating, Add	*1,814.03*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,270.97	751.31
		For Class 52 Rating, Deduct	*-1,224.59*	
		For Class 54 Rating, Add	*834.95*	
		For Class 55 Rating, Add	*1,855.81*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,524.13	752.98
		For Class 52 Rating, Deduct	*-1,252.16*	
		For Class 54 Rating, Add	*853.74*	
		For Class 55 Rating, Add	*1,897.59*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,331.73	875.41
		For Class 52 Rating, Deduct	*-330.59*	
		For Class 54 Rating, Add	*225.40*	
		For Class 55 Rating, Add	*500.99*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,675.19	877.09
		For Class 52 Rating, Deduct	*-368.09*	
		For Class 54 Rating, Add	*250.97*	
		For Class 55 Rating, Add	*557.82*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,018.65	878.75
		For Class 52 Rating, Deduct	*-405.59*	
		For Class 54 Rating, Add	*276.54*	
		For Class 55 Rating, Add	*614.66*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,362.11	880.43
		For Class 52 Rating, Deduct	*-443.09*	
		For Class 54 Rating, Add	*302.11*	
		For Class 55 Rating, Add	*671.49*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,705.57	882.11
		For Class 52 Rating, Deduct	*-480.59*	
		For Class 54 Rating, Add	*327.68*	
		For Class 55 Rating, Add	*728.32*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,049.03	883.78
		For Class 52 Rating, Deduct	*-518.10*	
		For Class 54 Rating, Add	*353.25*	
		For Class 55 Rating, Add	*785.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,392.49	885.46
		For Class 52 Rating, Deduct	*-555.60*	
		For Class 54 Rating, Add	*378.82*	
		For Class 55 Rating, Add	*841.98*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,735.95	887.14
		For Class 52 Rating, Deduct	*-593.10*	
		For Class 54 Rating, Add	*404.39*	
		For Class 55 Rating, Add	*898.81*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,079.41	888.82
		For Class 52 Rating, Deduct	*-630.60*	
		For Class 54 Rating, Add	*429.95*	
		For Class 55 Rating, Add	*955.64*	
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,422.87	890.49
		For Class 52 Rating, Deduct	*-668.10*	
		For Class 54 Rating, Add	*455.52*	
		For Class 55 Rating, Add	*1,012.48*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,766.32	892.17
		For Class 52 Rating, Deduct	*-705.60*	
		For Class 54 Rating, Add	*481.09*	
		For Class 55 Rating, Add	*1,069.31*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,109.78	893.85
		For Class 52 Rating, Deduct	*-743.10*	
		For Class 54 Rating, Add	*506.66*	
		For Class 55 Rating, Add	*1,126.14*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,453.25	895.52
		For Class 52 Rating, Deduct	*-780.60*	
		For Class 54 Rating, Add	*532.23*	
		For Class 55 Rating, Add	*1,182.97*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,796.71	897.20
		For Class 52 Rating, Deduct	*-818.10*	
		For Class 54 Rating, Add	*557.80*	
		For Class 55 Rating, Add	*1,239.80*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,140.17	898.88
		For Class 52 Rating, Deduct	*-855.61*	
		For Class 54 Rating, Add	*583.37*	
		For Class 55 Rating, Add	*1,296.63*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,483.63	900.56
		For Class 52 Rating, Deduct	*-893.11*	
		For Class 54 Rating, Add	*608.94*	
		For Class 55 Rating, Add	*1,353.46*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,827.09	902.23
		For Class 52 Rating, Deduct	*-930.61*	
		For Class 54 Rating, Add	*634.51*	
		For Class 55 Rating, Add	*1,410.29*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,170.55	903.91
		For Class 52 Rating, Deduct	*-968.11*	
		For Class 54 Rating, Add	*660.07*	
		For Class 55 Rating, Add	*1,467.13*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,514.01	905.59
		For Class 52 Rating, Deduct	*-1,005.61*	
		For Class 54 Rating, Add	*685.64*	
		For Class 55 Rating, Add	*1,523.96*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,857.47	907.27
		For Class 52 Rating, Deduct	*-1,043.11*	
		For Class 54 Rating, Add	*711.21*	
		For Class 55 Rating, Add	*1,580.79*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,200.92	908.95
		For Class 52 Rating, Deduct	*-1,080.61*	
		For Class 54 Rating, Add	*736.78*	
		For Class 55 Rating, Add	*1,637.62*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,544.38	910.62
		For Class 52 Rating, Deduct	*-1,118.11*	
		For Class 54 Rating, Add	*762.35*	
		For Class 55 Rating, Add	*1,694.45*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,887.85	912.30
		For Class 52 Rating, Deduct	*-1,155.61*	
		For Class 54 Rating, Add	*787.92*	
		For Class 55 Rating, Add	*1,751.28*	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,231.31	913.98
		For Class 52 Rating, Deduct	*-1,193.12*	
		For Class 54 Rating, Add	*813.49*	
		For Class 55 Rating, Add	*1,808.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,574.78	915.65
		For Class 52 Rating, Deduct	*-1,230.62*	
		For Class 54 Rating, Add	*839.06*	
		For Class 55 Rating, Add	*1,864.94*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,918.24	917.33
		For Class 52 Rating, Deduct	*-1,268.12*	
		For Class 54 Rating, Add	*864.63*	
		For Class 55 Rating, Add	*1,921.77*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,261.70	919.00
		For Class 52 Rating, Deduct	*-1,305.62*	
		For Class 54 Rating, Add	*890.19*	
		For Class 55 Rating, Add	*1,978.61*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,605.16	920.68
		For Class 52 Rating, Deduct	*-1,343.12*	
		For Class 54 Rating, Add	*915.76*	
		For Class 55 Rating, Add	*2,035.44*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,948.62	922.36
		For Class 52 Rating, Deduct	*-1,380.62*	
		For Class 54 Rating, Add	*941.33*	
		For Class 55 Rating, Add	*2,092.27*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,292.08	924.04
		For Class 52 Rating, Deduct	*-1,418.12*	
		For Class 54 Rating, Add	*966.90*	
		For Class 55 Rating, Add	*2,149.10*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,635.53	925.71
		For Class 52 Rating, Deduct	*-1,455.62*	
		For Class 54 Rating, Add	*992.47*	
		For Class 55 Rating, Add	*2,205.93*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,978.99	927.39
		For Class 52 Rating, Deduct	*-1,493.12*	
		For Class 54 Rating, Add	*1,018.04*	
		For Class 55 Rating, Add	*2,262.76*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,322.45	929.07
		For Class 52 Rating, Deduct	*-1,530.62*	
		For Class 54 Rating, Add	*1,043.61*	
		For Class 55 Rating, Add	*2,319.59*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,665.91	930.75
		For Class 52 Rating, Deduct	*-1,568.13*	
		For Class 54 Rating, Add	*1,069.18*	
		For Class 55 Rating, Add	*2,376.42*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,009.37	932.42
		For Class 52 Rating, Deduct	*-1,605.63*	
		For Class 54 Rating, Add	*1,094.75*	
		For Class 55 Rating, Add	*2,433.25*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,352.83	934.10
		For Class 52 Rating, Deduct	*-1,643.13*	
		For Class 54 Rating, Add	*1,120.31*	
		For Class 55 Rating, Add	*2,490.09*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,696.30	935.78
		For Class 52 Rating, Deduct	*-1,680.63*	
		For Class 54 Rating, Add	*1,145.88*	
		For Class 55 Rating, Add	*2,546.92*	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,039.76	937.45
		For Class 52 Rating, Deduct	*-1,718.13*	
		For Class 54 Rating, Add	*1,171.45*	
		For Class 55 Rating, Add	*2,603.75*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,701.08	1,103.47
		For Class 52 Rating, Deduct	*-443.21*	
		For Class 54 Rating, Add	*302.19*	
		For Class 55 Rating, Add	*671.66*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,212.96	1,105.15
		For Class 52 Rating, Deduct	*-499.23*	
		For Class 54 Rating, Add	*340.39*	
		For Class 55 Rating, Add	*756.56*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,718.77	1,106.83
		For Class 52 Rating, Deduct	*-554.59*	
		For Class 54 Rating, Add	*378.13*	
		For Class 55 Rating, Add	*840.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,229.64	1,108.51
		For Class 52 Rating, Deduct	*-610.51*	
		For Class 54 Rating, Add	*416.26*	
		For Class 55 Rating, Add	*925.20*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,735.44	1,110.19
		For Class 52 Rating, Deduct	*-665.87*	
		For Class 54 Rating, Add	*454.00*	
		For Class 55 Rating, Add	*1,009.09*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,247.33	1,111.86
		For Class 52 Rating, Deduct	*-721.90*	
		For Class 54 Rating, Add	*492.20*	
		For Class 55 Rating, Add	*1,094.00*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,752.12	1,113.54
		For Class 52 Rating, Deduct	*-777.14*	
		For Class 54 Rating, Add	*529.87*	
		For Class 55 Rating, Add	*1,177.73*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,264.01	1,115.22
		For Class 52 Rating, Deduct	*-833.17*	
		For Class 54 Rating, Add	*568.07*	
		For Class 55 Rating, Add	*1,262.63*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,769.82	1,116.90
		For Class 52 Rating, Deduct	*-888.53*	
		For Class 54 Rating, Add	*605.82*	
		For Class 55 Rating, Add	*1,346.53*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,280.69	1,118.57
		For Class 52 Rating, Deduct	*-944.45*	
		For Class 54 Rating, Add	*643.94*	
		For Class 55 Rating, Add	*1,431.27*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,786.50	1,120.25
		For Class 52 Rating, Deduct	*-999.81*	
		For Class 54 Rating, Add	*681.69*	
		For Class 55 Rating, Add	*1,515.16*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,297.37	1,121.93
		For Class 52 Rating, Deduct	*-1,055.72*	
		For Class 54 Rating, Add	*719.81*	
		For Class 55 Rating, Add	*1,599.90*	
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,803.17	1,123.60
		For Class 52 Rating, Deduct	*-1,111.08*	
		For Class 54 Rating, Add	*757.56*	
		For Class 55 Rating, Add	*1,683.79*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,309.99	1,125.28
		For Class 52 Rating, Deduct	*-1,166.55*	
		For Class 54 Rating, Add	*795.38*	
		For Class 55 Rating, Add	*1,767.86*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,819.85	1,126.96
		For Class 52 Rating, Deduct	*-1,222.36*	
		For Class 54 Rating, Add	*833.43*	
		For Class 55 Rating, Add	*1,852.43*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,325.65	1,128.64
		For Class 52 Rating, Deduct	*-1,277.72*	
		For Class 54 Rating, Add	*871.17*	
		For Class 55 Rating, Add	*1,936.32*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,837.54	1,130.31
		For Class 52 Rating, Deduct	*-1,333.74*	
		For Class 54 Rating, Add	*909.37*	
		For Class 55 Rating, Add	*2,021.23*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,343.34	1,131.99
		For Class 52 Rating, Deduct	*-1,389.10*	
		For Class 54 Rating, Add	*947.12*	
		For Class 55 Rating, Add	*2,105.12*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,854.21	1,133.67
		For Class 52 Rating, Deduct	*-1,445.02*	
		For Class 54 Rating, Add	*985.24*	
		For Class 55 Rating, Add	*2,189.86*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,360.03	1,135.34
		For Class 52 Rating, Deduct	*-1,500.38*	
		For Class 54 Rating, Add	*1,022.99*	
		For Class 55 Rating, Add	*2,273.76*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,871.91	1,137.02
		For Class 52 Rating, Deduct	*-1,556.41*	
		For Class 54 Rating, Add	*1,061.19*	
		For Class 55 Rating, Add	*2,358.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,377.72	1,138.70
		For Class 52 Rating, Deduct	*-1,611.77*	
		For Class 54 Rating, Add	*1,098.93*	
		For Class 55 Rating, Add	*2,442.56*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,888.59	1,140.37
		For Class 52 Rating, Deduct	*-1,667.68*	
		For Class 54 Rating, Add	*1,137.06*	
		For Class 55 Rating, Add	*2,527.30*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,394.39	1,142.04
		For Class 52 Rating, Deduct	*-1,723.04*	
		For Class 54 Rating, Add	*1,174.80*	
		For Class 55 Rating, Add	*2,611.19*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,906.28	1,143.72
		For Class 52 Rating, Deduct	*-1,779.07*	
		For Class 54 Rating, Add	*1,213.00*	
		For Class 55 Rating, Add	*2,696.10*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,412.08	1,145.40
		For Class 52 Rating, Deduct	*-1,834.43*	
		For Class 54 Rating, Add	*1,250.75*	
		For Class 55 Rating, Add	*2,779.99*	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,921.94	1,147.07
		For Class 52 Rating, Deduct	*-1,890.23*	
		For Class 54 Rating, Add	*1,288.80*	
		For Class 55 Rating, Add	*2,864.56*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,428.76	1,148.75
		For Class 52 Rating, Deduct	*-1,945.70*	
		For Class 54 Rating, Add	*1,326.62*	
		For Class 55 Rating, Add	*2,948.63*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,833.10	1,150.43
		For Class 52 Rating, Deduct	*-1,989.90*	
		For Class 54 Rating, Add	*1,356.75*	
		For Class 55 Rating, Add	*3,015.61*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,445.44	1,152.11
		For Class 52 Rating, Deduct	*-2,056.98*	
		For Class 54 Rating, Add	*1,402.49*	
		For Class 55 Rating, Add	*3,117.26*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,951.24	1,153.78
		For Class 52 Rating, Deduct	*-2,112.34*	
		For Class 54 Rating, Add	*1,440.23*	
		For Class 55 Rating, Add	*3,201.15*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,462.11	1,155.46
		For Class 52 Rating, Deduct	*-2,168.26*	
		For Class 54 Rating, Add	*1,478.36*	
		For Class 55 Rating, Add	*3,285.89*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,967.92	1,157.14
		For Class 52 Rating, Deduct	*-2,223.61*	
		For Class 54 Rating, Add	*1,516.10*	
		For Class 55 Rating, Add	*3,369.79*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,479.81	1,158.82
		For Class 52 Rating, Deduct	*-2,279.64*	
		For Class 54 Rating, Add	*1,554.30*	
		For Class 55 Rating, Add	*3,454.69*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,984.60	1,160.50
		For Class 52 Rating, Deduct	*-2,334.89*	
		For Class 54 Rating, Add	*1,591.97*	
		For Class 55 Rating, Add	*3,538.42*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,496.49	1,162.17
		For Class 52 Rating, Deduct	*-2,390.92*	
		For Class 54 Rating, Add	*1,630.17*	
		For Class 55 Rating, Add	*3,623.33*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,002.29	1,163.85
		For Class 52 Rating, Deduct	*-2,446.28*	
		For Class 54 Rating, Add	*1,667.92*	
		For Class 55 Rating, Add	*3,707.22*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,513.16	1,165.53
		For Class 52 Rating, Deduct	*-2,502.19*	
		For Class 54 Rating, Add	*1,706.04*	
		For Class 55 Rating, Add	*3,791.96*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,340.95	1,386.89
		For Class 52 Rating, Deduct	*-576.36*	
		For Class 54 Rating, Add	*392.97*	
		For Class 55 Rating, Add	*873.44*	
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,085.19	1,388.57
		For Class 52 Rating, Deduct	*-657.94*	
		For Class 54 Rating, Add	*448.60*	
		For Class 55 Rating, Add	*997.08*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,828.42	1,390.25
		For Class 52 Rating, Deduct	*-739.42*	
		For Class 54 Rating, Add	*504.15*	
		For Class 55 Rating, Add	*1,120.56*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,577.73	1,391.93
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*560.16*	
		For Class 55 Rating, Add	*1,245.04*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,321.98	1,393.60
		For Class 52 Rating, Deduct	*-903.15*	
		For Class 54 Rating, Add	*615.79*	
		For Class 55 Rating, Add	*1,368.69*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,066.22	1,395.28
		For Class 52 Rating, Deduct	*-984.74*	
		For Class 54 Rating, Add	*671.41*	
		For Class 55 Rating, Add	*1,492.33*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,814.53	1,396.96
		For Class 52 Rating, Deduct	*-1,066.77*	
		For Class 54 Rating, Add	*727.34*	
		For Class 55 Rating, Add	*1,616.64*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,559.79	1,398.63
		For Class 52 Rating, Deduct	*-1,148.47*	
		For Class 54 Rating, Add	*783.05*	
		For Class 55 Rating, Add	*1,740.46*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,303.01	1,400.30
		For Class 52 Rating, Deduct	*-1,229.95*	
		For Class 54 Rating, Add	*838.60*	
		For Class 55 Rating, Add	*1,863.93*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,052.33	1,401.98
		For Class 52 Rating, Deduct	*-1,312.09*	
		For Class 54 Rating, Add	*894.61*	
		For Class 55 Rating, Add	*1,988.42*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,796.57	1,403.66
		For Class 52 Rating, Deduct	*-1,393.68*	
		For Class 54 Rating, Add	*950.24*	
		For Class 55 Rating, Add	*2,112.06*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,545.88	1,405.33
		For Class 52 Rating, Deduct	*-1,475.82*	
		For Class 54 Rating, Add	*1,006.24*	
		For Class 55 Rating, Add	*2,236.54*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,289.11	1,407.01
		For Class 52 Rating, Deduct	*-1,557.30*	
		For Class 54 Rating, Add	*1,061.80*	
		For Class 55 Rating, Add	*2,360.02*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,033.35	1,408.69
		For Class 52 Rating, Deduct	*-1,638.89*	
		For Class 54 Rating, Add	*1,117.42*	
		For Class 55 Rating, Add	*2,483.66*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,782.68	1,410.37
		For Class 52 Rating, Deduct	*-1,721.03*	
		For Class 54 Rating, Add	*1,173.43*	
		For Class 55 Rating, Add	*2,608.15*	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,526.92	1,412.05
		For Class 52 Rating, Deduct	*-1,802.62*	
		For Class 54 Rating, Add	*1,229.06*	
		For Class 55 Rating, Add	*2,731.79*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,270.15	1,413.72
		For Class 52 Rating, Deduct	*-1,884.10*	
		For Class 54 Rating, Add	*1,284.61*	
		For Class 55 Rating, Add	*2,855.26*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,019.46	1,415.40
		For Class 52 Rating, Deduct	*-1,966.24*	
		For Class 54 Rating, Add	*1,340.62*	
		For Class 55 Rating, Add	*2,979.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,763.71	1,417.08
		For Class 52 Rating, Deduct	*-2,047.83*	
		For Class 54 Rating, Add	*1,396.25*	
		For Class 55 Rating, Add	*3,103.39*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,506.94	1,418.76
		For Class 52 Rating, Deduct	*-2,129.30*	
		For Class 54 Rating, Add	*1,451.80*	
		For Class 55 Rating, Add	*3,226.86*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,256.26	1,420.44
		For Class 52 Rating, Deduct	*-2,211.45*	
		For Class 54 Rating, Add	*1,507.81*	
		For Class 55 Rating, Add	*3,351.35*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,001.51	1,422.11
		For Class 52 Rating, Deduct	*-2,293.15*	
		For Class 54 Rating, Add	*1,563.51*	
		For Class 55 Rating, Add	*3,475.16*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,744.74	1,423.79
		For Class 52 Rating, Deduct	*-2,374.62*	
		For Class 54 Rating, Add	*1,619.06*	
		For Class 55 Rating, Add	*3,598.63*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,494.06	1,425.47
		For Class 52 Rating, Deduct	*-2,456.77*	
		For Class 54 Rating, Add	*1,675.07*	
		For Class 55 Rating, Add	*3,723.12*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,238.30	1,427.15
		For Class 52 Rating, Deduct	*-2,538.36*	
		For Class 54 Rating, Add	*1,730.70*	
		For Class 55 Rating, Add	*3,846.76*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,981.52	1,428.82
		For Class 52 Rating, Deduct	*-2,619.83*	
		For Class 54 Rating, Add	*1,786.25*	
		For Class 55 Rating, Add	*3,970.23*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,730.84	1,430.50
		For Class 52 Rating, Deduct	*-2,701.98*	
		For Class 54 Rating, Add	*1,842.26*	
		For Class 55 Rating, Add	*4,094.72*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,475.08	1,432.18
		For Class 52 Rating, Deduct	*-2,783.56*	
		For Class 54 Rating, Add	*1,897.88*	
		For Class 55 Rating, Add	*4,218.36*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,128.01	1,433.86
		For Class 52 Rating, Deduct	*-2,855.11*	
		For Class 54 Rating, Add	*1,946.66*	
		For Class 55 Rating, Add	*4,326.78*	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,968.64	1,435.53
		For Class 52 Rating, Deduct	*-2,947.30*	
		For Class 54 Rating, Add	*2,009.52*	
		For Class 55 Rating, Add	*4,466.49*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,711.88	1,437.21
		For Class 52 Rating, Deduct	*-3,028.77*	
		For Class 54 Rating, Add	*2,065.07*	
		For Class 55 Rating, Add	*4,589.97*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,462.21	1,438.88
		For Class 52 Rating, Deduct	*-3,111.03*	
		For Class 54 Rating, Add	*2,121.16*	
		For Class 55 Rating, Add	*4,714.62*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,205.43	1,440.55
		For Class 52 Rating, Deduct	*-3,192.50*	
		For Class 54 Rating, Add	*2,176.71*	
		For Class 55 Rating, Add	*4,838.09*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,948.66	1,442.23
		For Class 52 Rating, Deduct	*-3,273.98*	
		For Class 54 Rating, Add	*2,232.26*	
		For Class 55 Rating, Add	*4,961.57*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,698.99	1,443.91
		For Class 52 Rating, Deduct	*-3,356.24*	
		For Class 54 Rating, Add	*2,288.34*	
		For Class 55 Rating, Add	*5,086.22*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,442.22	1,445.59
		For Class 52 Rating, Deduct	*-3,437.71*	
		For Class 54 Rating, Add	*2,343.89*	
		For Class 55 Rating, Add	*5,209.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,186.46	1,447.26
		For Class 52 Rating, Deduct	*-3,519.30*	
		For Class 54 Rating, Add	*2,399.52*	
		For Class 55 Rating, Add	*5,333.34*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,935.77	1,448.94
		For Class 52 Rating, Deduct	*-3,601.44*	
		For Class 54 Rating, Add	*2,455.53*	
		For Class 55 Rating, Add	*5,457.82*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	261.60	80.91
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	371.87	103.46
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	531.68	117.20
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	787.22	148.58
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	982.21	164.76
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,235.09	178.98
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,521.47	220.66
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,006.36	264.79
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,468.54	333.44
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,808.78	377.57
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,461.12	500.16
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,217.74	566.36
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	15,562.11	647.27
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	20,748.61	794.38

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	246.38	80.91
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	347.52	103.46
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	469.79	117.20
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	697.93	148.58
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	868.57	164.76
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,003.75	178.98
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,265.78	220.66
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,662.40	264.79
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,155.01	333.44
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,863.14	377.57
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,769.14	500.16
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,712.45	566.36
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,389.77	647.27
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	18,291.15	794.38

40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	245.36	80.91
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	339.41	103.46
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	462.68	117.20
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	677.64	148.58
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	913.21	164.76
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,144.78	178.98
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,297.23	220.66
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,700.95	264.79
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,322.43	333.44
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,244.64	377.57
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,837.12	500.16
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,868.70	566.36
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,701.26	647.27
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	18,697.01	794.38

40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	270.73	80.91
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	387.09	103.46
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	482.98	117.20
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	749.68	148.58
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,046.13	164.76
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,179.28	178.98
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,441.31	220.66
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,700.95	264.79
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,322.43	333.44
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,381.62	377.57
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,905.10	500.16
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,935.67	566.36
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,772.29	647.27
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	18,840.07	794.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	353.77	92.18
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	442.30	99.05
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	498.95	110.33
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	679.14	114.74
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	715.51	126.02
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	783.74	132.89
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	730.33	123.08
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	824.53	134.36
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	952.63	141.22
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,012.93	156.91
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	952.63	141.22
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,058.41	148.09
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,179.59	163.78
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,308.90	172.12
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,098.86	162.06
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,187.39	168.93
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,366.40	184.62
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,494.33	192.71
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,602.51	199.82
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,287.53	184.13
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,550.59	191.00
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,593.64	206.69
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,684.02	214.78
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,830.75	221.88
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,996.27	242.73
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,668.29	218.46
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,783.20	225.32
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,223.99	241.01
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,308.28	249.10
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,552.42	256.21
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,487.62	277.05
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,646.85	299.12
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,369.35	240.52
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,485.27	247.39
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,675.45	263.08
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,813.53	271.17
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,074.91	278.28
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,314.48	299.12
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,389.52	321.19
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,571.85	317.64
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,261.96	332.47
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,541.61	339.57
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,127.18	360.41
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,972.32	382.47
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,914.17	416.80
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,302.72	438.87
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,902.05	365.56
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,678.29	372.67
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,213.28	393.51
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,146.11	415.58
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,775.02	449.90
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,483.18	471.97
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,040.76	533.27
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,519.70	413.12
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,843.64	433.96
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,954.48	456.03
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,749.77	490.36
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,227.77	512.42
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,061.76	573.72
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,099.88	606.81
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,362.27	592.11
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,791.42	653.40
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,308.31	686.50
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,462.08	726.95
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	317.40	80.91
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	496.67	103.46
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	740.70	117.20
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,059.14	148.58
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,510.84	164.76
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,765.74	178.98
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,294.62	220.66
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,845.47	264.79
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,889.03	333.44
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,750.80	377.57
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,177.75	500.16
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,558.22	566.36
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	24,201.77	647.27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	336.68	80.91
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	459.13	103.46
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	767.08	117.20
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,039.87	148.58
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,408.36	164.76
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,668.34	178.98
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,061.26	220.66
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,593.84	264.79
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,428.39	333.44
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,874.15	377.57
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	8,029.75	500.16
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	11,531.12	566.36
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,551.53	647.27
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	23,207.08	794.38
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	450.55	129.94
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	558.78	159.86
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	799.06	178.49
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,155.01	231.94
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,552.24	253.02
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,099.70	272.15
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,367.73	343.25
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,895.57	392.29
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,652.26	495.26
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,436.90	546.75
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	9,308.97	755.15
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	13,489.04	865.48
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	28,148.93	1,000.33
40 05 19 00-1748		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	569.96	145.15
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	715.47	148.09
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	709.20	166.72
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	953.32	163.78
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	934.89	182.41
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	985.19	194.18
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,219.61	172.12
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,210.31	190.75
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,277.85	202.52
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,522.77	240.27
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,800.24	178.98
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,754.40	197.61
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,831.08	209.38
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,925.84	247.14
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,042.94	260.13
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,188.98	199.82
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,006.16	218.46
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,969.20	230.23
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,311.52	267.98
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,236.85	280.97
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,500.60	292.99
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,684.07	221.88
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,000.02	240.52
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,420.66	252.29
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,418.02	290.05
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,635.56	303.04
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,882.06	315.05
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,074.89	365.32
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,005.24	256.21
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,965.21	274.85
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,024.64	286.61
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,144.75	324.38
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,267.94	337.37
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,307.44	349.38
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,989.33	399.64
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,071.80	426.61
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,951.56	278.28
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,395.36	296.92
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,550.17	308.68
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,683.47	346.44
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,137.43	359.43
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,238.84	371.45
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,369.78	421.70
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,775.33	448.67
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,969.07	479.45
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,054.70	358.20
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,093.84	369.97
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,285.98	407.73
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,305.67	420.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,323.87	432.74
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,467.00	483.00
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,552.50	509.97
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,767.11	578.62
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,983.03	608.04
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,725.89	512.66
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,412.72	521.99
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,475.52	548.71
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,558.47	559.25
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,595.28	568.82
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,693.79	604.37
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,753.26	628.88
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,920.56	680.37
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,161.48	706.12
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,651.44	810.31
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,540.40	443.53
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,836.20	481.28
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,855.89	494.28
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,897.42	506.29
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,021.27	556.56
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,181.85	583.52
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,285.87	652.17
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,521.20	681.59
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	20,943.68	828.70
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,955.75	905.93
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,465.82	573.96
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,484.02	585.97
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,631.19	636.24
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,672.06	663.21
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,870.43	731.85
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,082.43	761.28
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,640.15	908.38

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-0001)*

40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	489.11	129.94
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	669.37	159.86
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	989.81	178.49
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,515.21	231.94
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,051.44	253.02
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,294.51	272.15
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,846.64	343.25
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,464.79	392.29
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,634.43	495.26
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	6,717.38	546.75
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	11,302.74	755.15
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	16,166.67	865.48

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-0001)*

40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	391.70	129.94
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	553.70	159.86
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	814.28	178.49
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,070.80	231.94
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,547.16	253.02
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,022.58	272.15

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-0001)*

40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	538.03	178.98
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	721.00	193.93
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	760.90	216.25
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	900.35	197.12
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	979.30	223.11
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,011.67	239.78
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,175.76	212.81
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,293.26	238.81
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,415.93	255.48
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,758.21	315.30
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,537.06	220.90
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,614.99	246.90
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,738.67	263.57
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,100.22	323.39
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,968.05	341.29
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,936.24	254.01
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,058.91	270.68
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,285.51	330.50
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,488.16	348.40
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,610.19	365.32
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,317.87	274.85
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,458.79	291.51
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,685.40	351.34
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,907.33	369.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,088.63	386.15
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,286.05	465.84
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,410.14	296.92
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,550.06	313.58
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,738.10	373.41
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,959.02	391.31
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,410.81	408.22
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,707.07	487.90
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,872.05	519.77
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,155.15	331.23
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,305.21	347.91
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,479.05	407.73
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,715.19	425.63
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,782.42	442.55
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,613.41	522.23
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,786.50	554.10
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,235.75	657.08
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,191.06	353.30
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,298.50	369.97
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,535.25	429.79
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,688.19	447.70
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,776.72	464.61
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,043.56	544.29
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,575.26	576.17
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,943.78	641.27
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,642.35	715.92
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,775.26	508.99
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,823.21	525.91
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,100.20	605.59
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,193.13	637.46
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,595.72	740.43
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,224.56	777.22
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,716.91	1,010.13
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,003.69	647.52
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,025.61	661.98
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,260.02	726.95
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,348.23	756.37
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,680.16	842.18
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,088.49	875.29
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,380.15	1,065.30
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,962.25	1,164.59
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,347.79	582.54
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,373.42	599.46
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,637.21	679.15
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,708.84	711.02
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,079.97	813.99
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,493.86	850.76
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	22,523.24	1,083.69
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	31,203.72	1,205.05
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,003.91	1,353.38
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	21,957.98	679.15
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	22,222.80	758.83
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	22,294.42	790.70
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	22,641.20	893.67
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,055.10	930.45
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,052.30	1,163.37

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	287.82	92.18
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	372.29	99.05
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	409.66	110.33
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	505.64	114.74
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	507.51	126.02
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	597.05	132.89
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	652.20	123.08
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	672.33	134.36
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	738.54	141.22
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	831.31	156.91
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,035.57	134.36
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	815.65	141.22
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	904.19	148.09
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	993.91	163.78
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	962.91	172.12
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,227.88	150.78
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	984.21	162.06
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	925.61	168.93
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,032.58	184.62
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,289.37	192.71
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,389.44	199.82
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,555.40	184.13
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,220.83	191.00
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,342.00	206.69
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,330.93	214.78

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,538.54	221.88
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,530.55	242.73
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,584.07	218.46
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,532.59	225.32
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,660.87	241.01
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,615.28	249.10
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,872.61	256.21
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,747.94	277.05
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,166.93	299.12
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,087.53	247.39
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,361.93	263.08
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,543.63	271.17
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,611.22	278.28
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,296.80	299.12
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,783.78	321.19
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,945.82	317.64
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,036.44	360.41
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,204.82	382.47
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,525.71	416.80
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,006.59	438.87
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,541.59	393.51
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,820.56	415.58
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,186.09	449.90
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,734.96	471.97
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,767.39	533.27
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,463.75	512.42
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,701.13	573.72
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,111.91	606.81
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,041.94	592.11
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,518.77	653.40
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,120.31	686.50
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,948.09	726.95

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	315.21	92.18
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	403.74	99.05
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	459.38	110.33
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	505.64	114.74
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	540.99	126.02
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	628.50	132.89
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	652.20	123.08
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	708.86	134.36
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	777.10	141.22
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	898.28	156.91
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	815.65	141.22
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	884.91	148.09
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	986.81	163.78
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,134.38	172.12
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	984.21	162.06
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,070.71	168.93
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,191.88	184.62
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,320.82	192.71
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,389.44	199.82
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,220.83	191.00
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,342.00	206.69
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,470.95	214.78
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,538.54	221.88
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,686.80	242.73
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,801.20	218.46
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,637.10	225.32
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,660.87	241.01
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,819.22	249.10
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,872.61	256.21
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,048.28	277.05
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,165.91	299.12
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,296.55	247.39
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,361.93	263.08
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,415.79	271.17
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,468.16	278.28
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,646.85	299.12
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,783.78	321.19
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,945.82	317.64
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,856.14	339.57
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,730.46	360.41
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,227.14	382.47
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,525.71	416.80
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,006.59	438.87
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,586.23	393.51
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,820.56	415.58
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,163.77	449.90
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,710.61	471.97
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,745.06	533.27
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,463.75	512.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,961.60	573.72
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,111.91	606.81
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,518.77	653.40
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,120.31	686.50
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,948.09	726.95

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	112.22	31.87
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	168.73	47.07
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	248.06	55.90
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	344.36	65.22
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	446.67	76.49
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	594.73	85.81
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	711.72	98.07
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	962.92	137.30
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,281.78	171.63
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,835.69	208.40
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,602.01	242.73
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,692.79	267.24
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	6,639.14	294.22
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	8,790.09	330.99

40 05 19 00-2059 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-2060 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2059)*

40 05 19 00-2061 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2062	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	539.72	140.24
		For Class 52 Rating, Deduct	*-36.00*	
		For Class 54 Rating, Add	*24.54*	
		For Class 55 Rating, Add	*54.55*	
40 05 19 00-2063	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	590.01	142.69
		For Class 52 Rating, Deduct	*-41.12*	
		For Class 54 Rating, Add	*28.04*	
		For Class 55 Rating, Add	*62.31*	
40 05 19 00-2064	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	640.29	145.15
		For Class 52 Rating, Deduct	*-46.24*	
		For Class 54 Rating, Add	*31.53*	
		For Class 55 Rating, Add	*70.08*	
40 05 19 00-2065	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	690.59	147.60
		For Class 52 Rating, Deduct	*-51.36*	
		For Class 54 Rating, Add	*35.02*	
		For Class 55 Rating, Add	*77.84*	
40 05 19 00-2066	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	740.88	150.05
		For Class 52 Rating, Deduct	*-56.49*	
		For Class 54 Rating, Add	*38.51*	
		For Class 55 Rating, Add	*85.61*	
40 05 19 00-2067	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	791.17	152.50
		For Class 52 Rating, Deduct	*-61.61*	
		For Class 54 Rating, Add	*42.01*	
		For Class 55 Rating, Add	*93.37*	
40 05 19 00-2068	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	841.45	154.95
		For Class 52 Rating, Deduct	*-66.73*	
		For Class 54 Rating, Add	*45.50*	
		For Class 55 Rating, Add	*101.13*	
40 05 19 00-2069	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	891.73	157.40
		For Class 52 Rating, Deduct	*-71.86*	
		For Class 54 Rating, Add	*48.99*	
		For Class 55 Rating, Add	*108.90*	
40 05 19 00-2070	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	942.03	159.86
		For Class 52 Rating, Deduct	*-76.98*	
		For Class 54 Rating, Add	*52.49*	
		For Class 55 Rating, Add	*116.66*	
40 05 19 00-2071	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	992.31	162.30
		For Class 52 Rating, Deduct	*-82.10*	
		For Class 54 Rating, Add	*55.98*	
		For Class 55 Rating, Add	*124.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,042.60	164.76
		For Class 52 Rating, Deduct	*-87.23*	
		For Class 54 Rating, Add	*59.47*	
		For Class 55 Rating, Add	*132.19*	
40 05 19 00-2073	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,092.89	167.22
		For Class 52 Rating, Deduct	*-92.35*	
		For Class 54 Rating, Add	*62.97*	
		For Class 55 Rating, Add	*139.95*	
40 05 19 00-2074	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,143.18	169.66
		For Class 52 Rating, Deduct	*-97.47*	
		For Class 54 Rating, Add	*66.46*	
		For Class 55 Rating, Add	*147.71*	
40 05 19 00-2075	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,193.46	172.12
		For Class 52 Rating, Deduct	*-102.59*	
		For Class 54 Rating, Add	*69.95*	
		For Class 55 Rating, Add	*155.48*	
40 05 19 00-2076	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,243.74	174.56
		For Class 52 Rating, Deduct	*-107.72*	
		For Class 54 Rating, Add	*73.44*	
		For Class 55 Rating, Add	*163.24*	
40 05 19 00-2077	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,294.04	177.02
		For Class 52 Rating, Deduct	*-112.84*	
		For Class 54 Rating, Add	*76.94*	
		For Class 55 Rating, Add	*171.01*	
40 05 19 00-2078	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,344.32	179.47
		For Class 52 Rating, Deduct	*-117.96*	
		For Class 54 Rating, Add	*80.43*	
		For Class 55 Rating, Add	*178.77*	
40 05 19 00-2079	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,394.61	181.92
		For Class 52 Rating, Deduct	*-123.09*	
		For Class 54 Rating, Add	*83.92*	
		For Class 55 Rating, Add	*186.53*	
40 05 19 00-2080	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,444.90	184.37
		For Class 52 Rating, Deduct	*-128.21*	
		For Class 54 Rating, Add	*87.42*	
		For Class 55 Rating, Add	*194.30*	
40 05 19 00-2081	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,495.19	186.83
		For Class 52 Rating, Deduct	*-133.33*	
		For Class 54 Rating, Add	*90.91*	
		For Class 55 Rating, Add	*202.06*	
40 05 19 00-2082	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,545.47	189.28
		For Class 52 Rating, Deduct	*-138.46*	
		For Class 54 Rating, Add	*94.40*	
		For Class 55 Rating, Add	*209.82*	
40 05 19 00-2083	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,595.75	191.73
		For Class 52 Rating, Deduct	*-143.58*	
		For Class 54 Rating, Add	*97.89*	
		For Class 55 Rating, Add	*217.59*	
40 05 19 00-2084	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,646.06	194.18
		For Class 52 Rating, Deduct	*-148.70*	
		For Class 54 Rating, Add	*101.39*	
		For Class 55 Rating, Add	*225.35*	
40 05 19 00-2085	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,696.34	196.63
		For Class 52 Rating, Deduct	*-153.83*	
		For Class 54 Rating, Add	*104.88*	
		For Class 55 Rating, Add	*233.11*	
40 05 19 00-2086	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,746.63	199.09
		For Class 52 Rating, Deduct	*-158.95*	
		For Class 54 Rating, Add	*108.37*	
		For Class 55 Rating, Add	*240.88*	
40 05 19 00-2087	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,796.92	201.53
		For Class 52 Rating, Deduct	*-164.07*	
		For Class 54 Rating, Add	*111.87*	
		For Class 55 Rating, Add	*248.64*	
40 05 19 00-2088	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,847.21	203.99
		For Class 52 Rating, Deduct	*-169.19*	
		For Class 54 Rating, Add	*115.36*	
		For Class 55 Rating, Add	*256.41*	
40 05 19 00-2089	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,897.49	206.44
		For Class 52 Rating, Deduct	*-174.32*	
		For Class 54 Rating, Add	*118.85*	
		For Class 55 Rating, Add	*264.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2090	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,947.77	208.89
		For Class 52 Rating, Deduct	*-179.44*	
		For Class 54 Rating, Add	*122.35*	
		For Class 55 Rating, Add	*271.93*	
40 05 19 00-2091	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,998.07	211.35
		For Class 52 Rating, Deduct	*-184.56*	
		For Class 54 Rating, Add	*125.84*	
		For Class 55 Rating, Add	*279.70*	
40 05 19 00-2092	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,048.35	213.79
		For Class 52 Rating, Deduct	*-189.69*	
		For Class 54 Rating, Add	*129.33*	
		For Class 55 Rating, Add	*287.46*	
40 05 19 00-2093	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,098.64	216.25
		For Class 52 Rating, Deduct	*-194.81*	
		For Class 54 Rating, Add	*132.82*	
		For Class 55 Rating, Add	*295.22*	
40 05 19 00-2094	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,148.92	218.70
		For Class 52 Rating, Deduct	*-199.93*	
		For Class 54 Rating, Add	*136.32*	
		For Class 55 Rating, Add	*302.99*	
40 05 19 00-2095	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,199.22	221.15
		For Class 52 Rating, Deduct	*-205.06*	
		For Class 54 Rating, Add	*139.81*	
		For Class 55 Rating, Add	*310.75*	
40 05 19 00-2096	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,249.50	223.60
		For Class 52 Rating, Deduct	*-210.18*	
		For Class 54 Rating, Add	*143.30*	
		For Class 55 Rating, Add	*318.52*	
40 05 19 00-2097	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,299.78	226.06
		For Class 52 Rating, Deduct	*-215.30*	
		For Class 54 Rating, Add	*146.80*	
		For Class 55 Rating, Add	*326.28*	
40 05 19 00-2098	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,350.08	228.50
		For Class 52 Rating, Deduct	*-220.42*	
		For Class 54 Rating, Add	*150.29*	
		For Class 55 Rating, Add	*334.04*	
40 05 19 00-2099	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,400.36	230.96
		For Class 52 Rating, Deduct	*-225.55*	
		For Class 54 Rating, Add	*153.78*	
		For Class 55 Rating, Add	*341.81*	
40 05 19 00-2100	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,450.65	233.41
		For Class 52 Rating, Deduct	*-230.67*	
		For Class 54 Rating, Add	*157.28*	
		For Class 55 Rating, Add	*349.57*	

40 05 19 00-2101 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2102	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	675.59	176.53
		For Class 52 Rating, Deduct	*-44.89*	
		For Class 54 Rating, Add	*30.61*	
		For Class 55 Rating, Add	*68.03*	
40 05 19 00-2103	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	733.23	178.98
		For Class 52 Rating, Deduct	*-50.83*	
		For Class 54 Rating, Add	*34.65*	
		For Class 55 Rating, Add	*77.02*	
40 05 19 00-2104	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	790.88	181.43
		For Class 52 Rating, Deduct	*-56.76*	
		For Class 54 Rating, Add	*38.70*	
		For Class 55 Rating, Add	*86.01*	
40 05 19 00-2105	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	848.51	183.89
		For Class 52 Rating, Deduct	*-62.69*	
		For Class 54 Rating, Add	*42.74*	
		For Class 55 Rating, Add	*95.00*	
40 05 19 00-2106	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	906.16	186.33
		For Class 52 Rating, Deduct	*-68.62*	
		For Class 54 Rating, Add	*46.79*	
		For Class 55 Rating, Add	*103.99*	
40 05 19 00-2107	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	963.80	188.79
		For Class 52 Rating, Deduct	*-74.55*	
		For Class 54 Rating, Add	*50.83*	
		For Class 55 Rating, Add	*112.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2108	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,021.44	191.24
		For Class 52 Rating, Deduct	*-80.48*	
		For Class 54 Rating, Add	*54.88*	
		For Class 55 Rating, Add	*121.97*	
40 05 19 00-2109	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,079.08	193.69
		For Class 52 Rating, Deduct	*-86.42*	
		For Class 54 Rating, Add	*58.92*	
		For Class 55 Rating, Add	*130.96*	
40 05 19 00-2110	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,136.72	196.14
		For Class 52 Rating, Deduct	*-92.35*	
		For Class 54 Rating, Add	*62.97*	
		For Class 55 Rating, Add	*139.95*	
40 05 19 00-2111	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,194.36	198.60
		For Class 52 Rating, Deduct	*-98.28*	
		For Class 54 Rating, Add	*67.01*	
		For Class 55 Rating, Add	*148.94*	
40 05 19 00-2112	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,252.00	201.04
		For Class 52 Rating, Deduct	*-104.21*	
		For Class 54 Rating, Add	*71.05*	
		For Class 55 Rating, Add	*157.93*	
40 05 19 00-2113	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,309.65	203.50
		For Class 52 Rating, Deduct	*-110.15*	
		For Class 54 Rating, Add	*75.10*	
		For Class 55 Rating, Add	*166.92*	
40 05 19 00-2114	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,367.28	205.95
		For Class 52 Rating, Deduct	*-116.08*	
		For Class 54 Rating, Add	*79.14*	
		For Class 55 Rating, Add	*175.91*	
40 05 19 00-2115	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,424.93	208.40
		For Class 52 Rating, Deduct	*-122.01*	
		For Class 54 Rating, Add	*83.19*	
		For Class 55 Rating, Add	*184.90*	
40 05 19 00-2116	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,482.56	210.86
		For Class 52 Rating, Deduct	*-127.94*	
		For Class 54 Rating, Add	*87.23*	
		For Class 55 Rating, Add	*193.89*	
40 05 19 00-2117	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,540.21	213.30
		For Class 52 Rating, Deduct	*-133.87*	
		For Class 54 Rating, Add	*91.28*	
		For Class 55 Rating, Add	*202.88*	
40 05 19 00-2118	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,597.86	215.76
		For Class 52 Rating, Deduct	*-139.80*	
		For Class 54 Rating, Add	*95.32*	
		For Class 55 Rating, Add	*211.87*	
40 05 19 00-2119	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,655.49	218.21
		For Class 52 Rating, Deduct	*-145.74*	
		For Class 54 Rating, Add	*99.37*	
		For Class 55 Rating, Add	*220.86*	
40 05 19 00-2120	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,713.14	220.66
		For Class 52 Rating, Deduct	*-151.67*	
		For Class 54 Rating, Add	*103.41*	
		For Class 55 Rating, Add	*229.85*	
40 05 19 00-2121	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,770.78	223.11
		For Class 52 Rating, Deduct	*-157.60*	
		For Class 54 Rating, Add	*107.45*	
		For Class 55 Rating, Add	*238.84*	
40 05 19 00-2122	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,828.42	225.56
		For Class 52 Rating, Deduct	*-163.53*	
		For Class 54 Rating, Add	*111.50*	
		For Class 55 Rating, Add	*247.82*	
40 05 19 00-2123	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,886.06	228.02
		For Class 52 Rating, Deduct	*-169.46*	
		For Class 54 Rating, Add	*115.54*	
		For Class 55 Rating, Add	*256.81*	
40 05 19 00-2124	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,943.70	230.47
		For Class 52 Rating, Deduct	*-175.40*	
		For Class 54 Rating, Add	*119.59*	
		For Class 55 Rating, Add	*265.80*	
40 05 19 00-2125	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,001.34	232.92
		For Class 52 Rating, Deduct	*-181.33*	
		For Class 54 Rating, Add	*123.63*	
		For Class 55 Rating, Add	*274.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2126	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,058.98	235.37
		For Class 52 Rating, Deduct	*-187.26*	
		For Class 54 Rating, Add	*127.68*	
		For Class 55 Rating, Add	*283.78*	
40 05 19 00-2127	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,116.62	237.83
		For Class 52 Rating, Deduct	*-193.19*	
		For Class 54 Rating, Add	*131.72*	
		For Class 55 Rating, Add	*292.77*	
40 05 19 00-2128	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,174.26	240.27
		For Class 52 Rating, Deduct	*-199.12*	
		For Class 54 Rating, Add	*135.77*	
		For Class 55 Rating, Add	*301.76*	
40 05 19 00-2129	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,231.91	242.73
		For Class 52 Rating, Deduct	*-205.06*	
		For Class 54 Rating, Add	*139.81*	
		For Class 55 Rating, Add	*310.75*	
40 05 19 00-2130	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,289.54	245.17
		For Class 52 Rating, Deduct	*-210.99*	
		For Class 54 Rating, Add	*143.85*	
		For Class 55 Rating, Add	*319.74*	
40 05 19 00-2131	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,347.18	247.63
		For Class 52 Rating, Deduct	*-216.92*	
		For Class 54 Rating, Add	*147.90*	
		For Class 55 Rating, Add	*328.73*	
40 05 19 00-2132	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,404.83	250.09
		For Class 52 Rating, Deduct	*-222.85*	
		For Class 54 Rating, Add	*151.94*	
		For Class 55 Rating, Add	*337.72*	
40 05 19 00-2133	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,462.46	252.53
		For Class 52 Rating, Deduct	*-228.78*	
		For Class 54 Rating, Add	*155.99*	
		For Class 55 Rating, Add	*346.71*	
40 05 19 00-2134	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,520.11	254.99
		For Class 52 Rating, Deduct	*-234.71*	
		For Class 54 Rating, Add	*160.03*	
		For Class 55 Rating, Add	*355.70*	
40 05 19 00-2135	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,577.75	257.44
		For Class 52 Rating, Deduct	*-240.65*	
		For Class 54 Rating, Add	*164.08*	
		For Class 55 Rating, Add	*364.69*	
40 05 19 00-2136	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,635.39	259.89
		For Class 52 Rating, Deduct	*-246.58*	
		For Class 54 Rating, Add	*168.12*	
		For Class 55 Rating, Add	*373.68*	
40 05 19 00-2137	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,693.04	262.34
		For Class 52 Rating, Deduct	*-252.51*	
		For Class 54 Rating, Add	*172.17*	
		For Class 55 Rating, Add	*382.67*	
40 05 19 00-2138	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,750.68	264.79
		For Class 52 Rating, Deduct	*-258.44*	
		For Class 54 Rating, Add	*176.21*	
		For Class 55 Rating, Add	*391.66*	
40 05 19 00-2139	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,808.32	267.24
		For Class 52 Rating, Deduct	*-264.37*	
		For Class 54 Rating, Add	*180.26*	
		For Class 55 Rating, Add	*400.65*	
40 05 19 00-2140	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,865.96	269.70
		For Class 52 Rating, Deduct	*-270.31*	
		For Class 54 Rating, Add	*184.30*	
		For Class 55 Rating, Add	*409.64*	

40 05 19 00-2141 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2142	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	931.28	225.56
		For Class 52 Rating, Deduct	*-64.85*	
		For Class 54 Rating, Add	*44.21*	
		For Class 55 Rating, Add	*98.27*	
40 05 19 00-2143	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,004.85	228.02
		For Class 52 Rating, Deduct	*-72.53*	
		For Class 54 Rating, Add	*49.45*	
		For Class 55 Rating, Add	*109.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2144	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,078.42	230.47
		For Class 52 Rating, Deduct	*-80.22*	
		For Class 54 Rating, Add	*54.69*	
		For Class 55 Rating, Add	*121.56*	
40 05 19 00-2145	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,152.00	232.92
		For Class 52 Rating, Deduct	*-87.90*	
		For Class 54 Rating, Add	*59.93*	
		For Class 55 Rating, Add	*133.21*	
40 05 19 00-2146	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,225.57	235.37
		For Class 52 Rating, Deduct	*-95.58*	
		For Class 54 Rating, Add	*65.17*	
		For Class 55 Rating, Add	*144.85*	
40 05 19 00-2147	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,299.15	237.83
		For Class 52 Rating, Deduct	*-103.27*	
		For Class 54 Rating, Add	*70.41*	
		For Class 55 Rating, Add	*156.50*	
40 05 19 00-2148	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,372.72	240.27
		For Class 52 Rating, Deduct	*-110.95*	
		For Class 54 Rating, Add	*75.65*	
		For Class 55 Rating, Add	*168.15*	
40 05 19 00-2149	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,446.30	242.73
		For Class 52 Rating, Deduct	*-118.64*	
		For Class 54 Rating, Add	*80.89*	
		For Class 55 Rating, Add	*179.79*	
40 05 19 00-2150	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,519.87	245.17
		For Class 52 Rating, Deduct	*-126.32*	
		For Class 54 Rating, Add	*86.13*	
		For Class 55 Rating, Add	*191.44*	
40 05 19 00-2151	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,593.44	247.63
		For Class 52 Rating, Deduct	*-134.01*	
		For Class 54 Rating, Add	*91.37*	
		For Class 55 Rating, Add	*203.08*	
40 05 19 00-2152	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,667.02	250.09
		For Class 52 Rating, Deduct	*-141.69*	
		For Class 54 Rating, Add	*96.61*	
		For Class 55 Rating, Add	*214.73*	
40 05 19 00-2153	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,740.58	252.53
		For Class 52 Rating, Deduct	*-149.38*	
		For Class 54 Rating, Add	*101.85*	
		For Class 55 Rating, Add	*226.37*	
40 05 19 00-2154	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,814.16	254.99
		For Class 52 Rating, Deduct	*-157.06*	
		For Class 54 Rating, Add	*107.09*	
		For Class 55 Rating, Add	*238.02*	
40 05 19 00-2155	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,887.73	257.44
		For Class 52 Rating, Deduct	*-164.74*	
		For Class 54 Rating, Add	*112.33*	
		For Class 55 Rating, Add	*249.66*	
40 05 19 00-2156	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,961.31	259.89
		For Class 52 Rating, Deduct	*-172.43*	
		For Class 54 Rating, Add	*117.57*	
		For Class 55 Rating, Add	*261.31*	
40 05 19 00-2157	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,034.89	262.34
		For Class 52 Rating, Deduct	*-180.11*	
		For Class 54 Rating, Add	*122.81*	
		For Class 55 Rating, Add	*272.95*	
40 05 19 00-2158	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,108.46	264.79
		For Class 52 Rating, Deduct	*-187.80*	
		For Class 54 Rating, Add	*128.04*	
		For Class 55 Rating, Add	*284.60*	
40 05 19 00-2159	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,182.04	267.24
		For Class 52 Rating, Deduct	*-195.48*	
		For Class 54 Rating, Add	*133.28*	
		For Class 55 Rating, Add	*296.25*	
40 05 19 00-2160	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,255.61	269.70
		For Class 52 Rating, Deduct	*-203.17*	
		For Class 54 Rating, Add	*138.52*	
		For Class 55 Rating, Add	*307.89*	
40 05 19 00-2161	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,329.19	272.15
		For Class 52 Rating, Deduct	*-210.85*	
		For Class 54 Rating, Add	*143.76*	
		For Class 55 Rating, Add	*319.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2162	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,402.76	274.60
		For Class 52 Rating, Deduct	*-218.54*	
		For Class 54 Rating, Add	*149.00*	
		For Class 55 Rating, Add	*331.18*	
40 05 19 00-2163	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,476.34	277.05
		For Class 52 Rating, Deduct	*-226.22*	
		For Class 54 Rating, Add	*154.24*	
		For Class 55 Rating, Add	*342.83*	
40 05 19 00-2164	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,549.91	279.50
		For Class 52 Rating, Deduct	*-233.91*	
		For Class 54 Rating, Add	*159.48*	
		For Class 55 Rating, Add	*354.47*	
40 05 19 00-2165	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,623.48	281.96
		For Class 52 Rating, Deduct	*-241.59*	
		For Class 54 Rating, Add	*164.72*	
		For Class 55 Rating, Add	*366.12*	
40 05 19 00-2166	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,697.05	284.40
		For Class 52 Rating, Deduct	*-249.27*	
		For Class 54 Rating, Add	*169.96*	
		For Class 55 Rating, Add	*377.76*	
40 05 19 00-2167	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,770.62	286.86
		For Class 52 Rating, Deduct	*-256.96*	
		For Class 54 Rating, Add	*175.20*	
		For Class 55 Rating, Add	*389.41*	
40 05 19 00-2168	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,844.20	289.31
		For Class 52 Rating, Deduct	*-264.64*	
		For Class 54 Rating, Add	*180.44*	
		For Class 55 Rating, Add	*401.06*	
40 05 19 00-2169	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,917.77	291.76
		For Class 52 Rating, Deduct	*-272.33*	
		For Class 54 Rating, Add	*185.68*	
		For Class 55 Rating, Add	*412.70*	
40 05 19 00-2170	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,991.35	294.22
		For Class 52 Rating, Deduct	*-280.01*	
		For Class 54 Rating, Add	*190.92*	
		For Class 55 Rating, Add	*424.35*	
40 05 19 00-2171	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,064.92	296.66
		For Class 52 Rating, Deduct	*-287.70*	
		For Class 54 Rating, Add	*196.16*	
		For Class 55 Rating, Add	*435.99*	
40 05 19 00-2172	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,138.49	299.12
		For Class 52 Rating, Deduct	*-295.38*	
		For Class 54 Rating, Add	*201.40*	
		For Class 55 Rating, Add	*447.64*	
40 05 19 00-2173	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,212.07	301.57
		For Class 52 Rating, Deduct	*-303.07*	
		For Class 54 Rating, Add	*206.64*	
		For Class 55 Rating, Add	*459.28*	
40 05 19 00-2174	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,285.64	304.02
		For Class 52 Rating, Deduct	*-310.75*	
		For Class 54 Rating, Add	*211.88*	
		For Class 55 Rating, Add	*470.93*	
40 05 19 00-2175	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,359.22	306.47
		For Class 52 Rating, Deduct	*-318.44*	
		For Class 54 Rating, Add	*217.12*	
		For Class 55 Rating, Add	*482.57*	
40 05 19 00-2176	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,432.80	308.93
		For Class 52 Rating, Deduct	*-326.12*	
		For Class 54 Rating, Add	*222.35*	
		For Class 55 Rating, Add	*494.22*	
40 05 19 00-2177	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,506.38	311.37
		For Class 52 Rating, Deduct	*-333.80*	
		For Class 54 Rating, Add	*227.59*	
		For Class 55 Rating, Add	*505.87*	
40 05 19 00-2178	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,579.94	313.83
		For Class 52 Rating, Deduct	*-341.49*	
		For Class 54 Rating, Add	*232.83*	
		For Class 55 Rating, Add	*517.51*	
40 05 19 00-2179	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,653.51	316.27
		For Class 52 Rating, Deduct	*-349.17*	
		For Class 54 Rating, Add	*238.07*	
		For Class 55 Rating, Add	*529.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2180	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,727.09	318.73
		For Class 52 Rating, Deduct	*-356.86*	
		For Class 54 Rating, Add	*243.31*	
		For Class 55 Rating, Add	*540.80*	
40 05 19 00-2181		**10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2060)*		
40 05 19 00-2182	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,171.03	274.60
		For Class 52 Rating, Deduct	*-83.05*	
		For Class 54 Rating, Add	*56.62*	
		For Class 55 Rating, Add	*125.85*	
40 05 19 00-2183	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,265.44	277.05
		For Class 52 Rating, Deduct	*-93.02*	
		For Class 54 Rating, Add	*63.42*	
		For Class 55 Rating, Add	*140.97*	
40 05 19 00-2184	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,359.85	279.50
		For Class 52 Rating, Deduct	*-103.00*	
		For Class 54 Rating, Add	*70.23*	
		For Class 55 Rating, Add	*156.09*	
40 05 19 00-2185	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,454.25	281.96
		For Class 52 Rating, Deduct	*-112.98*	
		For Class 54 Rating, Add	*77.03*	
		For Class 55 Rating, Add	*171.21*	
40 05 19 00-2186	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,548.67	284.40
		For Class 52 Rating, Deduct	*-122.95*	
		For Class 54 Rating, Add	*83.83*	
		For Class 55 Rating, Add	*186.33*	
40 05 19 00-2187	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,643.07	286.86
		For Class 52 Rating, Deduct	*-132.93*	
		For Class 54 Rating, Add	*90.63*	
		For Class 55 Rating, Add	*201.45*	
40 05 19 00-2188	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,737.49	289.31
		For Class 52 Rating, Deduct	*-142.91*	
		For Class 54 Rating, Add	*97.44*	
		For Class 55 Rating, Add	*216.57*	
40 05 19 00-2189	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,831.89	291.76
		For Class 52 Rating, Deduct	*-152.88*	
		For Class 54 Rating, Add	*104.24*	
		For Class 55 Rating, Add	*231.68*	
40 05 19 00-2190	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,926.30	294.22
		For Class 52 Rating, Deduct	*-162.86*	
		For Class 54 Rating, Add	*111.04*	
		For Class 55 Rating, Add	*246.80*	
40 05 19 00-2191	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,020.71	296.66
		For Class 52 Rating, Deduct	*-172.83*	
		For Class 54 Rating, Add	*117.84*	
		For Class 55 Rating, Add	*261.92*	
40 05 19 00-2192	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,115.11	299.12
		For Class 52 Rating, Deduct	*-182.81*	
		For Class 54 Rating, Add	*124.64*	
		For Class 55 Rating, Add	*277.04*	
40 05 19 00-2193	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,209.53	301.57
		For Class 52 Rating, Deduct	*-192.79*	
		For Class 54 Rating, Add	*131.45*	
		For Class 55 Rating, Add	*292.16*	
40 05 19 00-2194	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,303.93	304.02
		For Class 52 Rating, Deduct	*-202.76*	
		For Class 54 Rating, Add	*138.25*	
		For Class 55 Rating, Add	*307.28*	
40 05 19 00-2195	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,398.35	306.47
		For Class 52 Rating, Deduct	*-212.74*	
		For Class 54 Rating, Add	*145.05*	
		For Class 55 Rating, Add	*322.40*	
40 05 19 00-2196	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,492.76	308.93
		For Class 52 Rating, Deduct	*-222.72*	
		For Class 54 Rating, Add	*151.85*	
		For Class 55 Rating, Add	*337.52*	
40 05 19 00-2197	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,587.18	311.37
		For Class 52 Rating, Deduct	*-232.69*	
		For Class 54 Rating, Add	*158.65*	
		For Class 55 Rating, Add	*352.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,681.58	313.83
		For Class 52 Rating, Deduct	*-242.67*	
		For Class 54 Rating, Add	*165.46*	
		For Class 55 Rating, Add	*367.75*	
40 05 19 00-2199	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,775.98	316.27
		For Class 52 Rating, Deduct	*-252.64*	
		For Class 54 Rating, Add	*172.26*	
		For Class 55 Rating, Add	*382.87*	
40 05 19 00-2200	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,870.40	318.73
		For Class 52 Rating, Deduct	*-262.62*	
		For Class 54 Rating, Add	*179.06*	
		For Class 55 Rating, Add	*397.99*	
40 05 19 00-2201	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,964.80	321.19
		For Class 52 Rating, Deduct	*-272.60*	
		For Class 54 Rating, Add	*185.86*	
		For Class 55 Rating, Add	*413.11*	
40 05 19 00-2202	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,059.22	323.63
		For Class 52 Rating, Deduct	*-282.57*	
		For Class 54 Rating, Add	*192.66*	
		For Class 55 Rating, Add	*428.23*	
40 05 19 00-2203	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,153.62	326.09
		For Class 52 Rating, Deduct	*-292.55*	
		For Class 54 Rating, Add	*199.47*	
		For Class 55 Rating, Add	*443.35*	
40 05 19 00-2204	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,248.04	328.54
		For Class 52 Rating, Deduct	*-302.53*	
		For Class 54 Rating, Add	*206.27*	
		For Class 55 Rating, Add	*458.47*	
40 05 19 00-2205	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,342.44	330.99
		For Class 52 Rating, Deduct	*-312.50*	
		For Class 54 Rating, Add	*213.07*	
		For Class 55 Rating, Add	*473.58*	
40 05 19 00-2206	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,436.85	333.44
		For Class 52 Rating, Deduct	*-322.48*	
		For Class 54 Rating, Add	*219.87*	
		For Class 55 Rating, Add	*488.70*	
40 05 19 00-2207	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,531.26	335.89
		For Class 52 Rating, Deduct	*-332.46*	
		For Class 54 Rating, Add	*226.67*	
		For Class 55 Rating, Add	*503.82*	
40 05 19 00-2208	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,625.66	338.34
		For Class 52 Rating, Deduct	*-342.43*	
		For Class 54 Rating, Add	*233.48*	
		For Class 55 Rating, Add	*518.94*	
40 05 19 00-2209	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,720.08	340.80
		For Class 52 Rating, Deduct	*-352.41*	
		For Class 54 Rating, Add	*240.28*	
		For Class 55 Rating, Add	*534.06*	
40 05 19 00-2210	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,814.48	343.25
		For Class 52 Rating, Deduct	*-362.39*	
		For Class 54 Rating, Add	*247.08*	
		For Class 55 Rating, Add	*549.18*	
40 05 19 00-2211	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,908.90	345.70
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*253.88*	
		For Class 55 Rating, Add	*564.30*	
40 05 19 00-2212	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,003.30	348.16
		For Class 52 Rating, Deduct	*-382.34*	
		For Class 54 Rating, Add	*260.69*	
		For Class 55 Rating, Add	*579.42*	
40 05 19 00-2213	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,097.71	350.60
		For Class 52 Rating, Deduct	*-392.32*	
		For Class 54 Rating, Add	*267.49*	
		For Class 55 Rating, Add	*594.54*	
40 05 19 00-2214	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,192.12	353.06
		For Class 52 Rating, Deduct	*-402.29*	
		For Class 54 Rating, Add	*274.29*	
		For Class 55 Rating, Add	*609.65*	
40 05 19 00-2215	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,286.53	355.50
		For Class 52 Rating, Deduct	*-412.27*	
		For Class 54 Rating, Add	*281.09*	
		For Class 55 Rating, Add	*624.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2216	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,380.95	357.96
		For Class 52 Rating, Deduct	*-422.24*	
		For Class 54 Rating, Add	*287.89*	
		For Class 55 Rating, Add	*639.89*	
40 05 19 00-2217	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,475.35	360.41
		For Class 52 Rating, Deduct	*-432.22*	
		For Class 54 Rating, Add	*294.70*	
		For Class 55 Rating, Add	*655.01*	
40 05 19 00-2218	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,569.77	362.86
		For Class 52 Rating, Deduct	*-442.20*	
		For Class 54 Rating, Add	*301.50*	
		For Class 55 Rating, Add	*670.13*	
40 05 19 00-2219	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,664.17	365.32
		For Class 52 Rating, Deduct	*-452.17*	
		For Class 54 Rating, Add	*308.30*	
		For Class 55 Rating, Add	*685.25*	
40 05 19 00-2220	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,758.58	367.77
		For Class 52 Rating, Deduct	*-462.15*	
		For Class 54 Rating, Add	*315.10*	
		For Class 55 Rating, Add	*700.37*	

40 05 19 00-2221 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2222	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,525.06	343.25
		For Class 52 Rating, Deduct	*-110.55*	
		For Class 54 Rating, Add	*75.37*	
		For Class 55 Rating, Add	*167.53*	
40 05 19 00-2223	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,641.54	345.70
		For Class 52 Rating, Deduct	*-122.95*	
		For Class 54 Rating, Add	*83.83*	
		For Class 55 Rating, Add	*186.33*	
40 05 19 00-2224	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,758.00	348.16
		For Class 52 Rating, Deduct	*-135.36*	
		For Class 54 Rating, Add	*92.29*	
		For Class 55 Rating, Add	*205.12*	
40 05 19 00-2225	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,874.47	350.60
		For Class 52 Rating, Deduct	*-147.76*	
		For Class 54 Rating, Add	*100.74*	
		For Class 55 Rating, Add	*223.92*	
40 05 19 00-2226	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,990.94	353.06
		For Class 52 Rating, Deduct	*-160.16*	
		For Class 54 Rating, Add	*109.20*	
		For Class 55 Rating, Add	*242.72*	
40 05 19 00-2227	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,107.42	355.50
		For Class 52 Rating, Deduct	*-172.56*	
		For Class 54 Rating, Add	*117.66*	
		For Class 55 Rating, Add	*261.51*	
40 05 19 00-2228	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,223.89	357.96
		For Class 52 Rating, Deduct	*-184.97*	
		For Class 54 Rating, Add	*126.11*	
		For Class 55 Rating, Add	*280.31*	
40 05 19 00-2229	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,340.36	360.41
		For Class 52 Rating, Deduct	*-197.37*	
		For Class 54 Rating, Add	*134.57*	
		For Class 55 Rating, Add	*299.11*	
40 05 19 00-2230	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,456.83	362.86
		For Class 52 Rating, Deduct	*-209.77*	
		For Class 54 Rating, Add	*143.03*	
		For Class 55 Rating, Add	*317.90*	
40 05 19 00-2231	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,573.30	365.32
		For Class 52 Rating, Deduct	*-222.18*	
		For Class 54 Rating, Add	*151.48*	
		For Class 55 Rating, Add	*336.70*	
40 05 19 00-2232	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,689.76	367.77
		For Class 52 Rating, Deduct	*-234.58*	
		For Class 54 Rating, Add	*159.94*	
		For Class 55 Rating, Add	*355.49*	
40 05 19 00-2233	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,806.24	370.22
		For Class 52 Rating, Deduct	*-246.98*	
		For Class 54 Rating, Add	*168.40*	
		For Class 55 Rating, Add	*374.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2234	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,922.70	372.67
		For Class 52 Rating, Deduct	*-259.39*	
		For Class 54 Rating, Add	*176.85*	
		For Class 55 Rating, Add	*393.09*	
40 05 19 00-2235	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,039.18	375.12
		For Class 52 Rating, Deduct	*-271.79*	
		For Class 54 Rating, Add	*185.31*	
		For Class 55 Rating, Add	*411.88*	
40 05 19 00-2236	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,155.64	377.57
		For Class 52 Rating, Deduct	*-284.19*	
		For Class 54 Rating, Add	*193.77*	
		For Class 55 Rating, Add	*430.68*	
40 05 19 00-2237	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,272.12	380.03
		For Class 52 Rating, Deduct	*-296.60*	
		For Class 54 Rating, Add	*202.22*	
		For Class 55 Rating, Add	*449.48*	
40 05 19 00-2238	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,388.59	382.47
		For Class 52 Rating, Deduct	*-309.00*	
		For Class 54 Rating, Add	*210.68*	
		For Class 55 Rating, Add	*468.27*	
40 05 19 00-2239	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,505.06	384.93
		For Class 52 Rating, Deduct	*-321.40*	
		For Class 54 Rating, Add	*219.14*	
		For Class 55 Rating, Add	*487.07*	
40 05 19 00-2240	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,621.53	387.39
		For Class 52 Rating, Deduct	*-333.80*	
		For Class 54 Rating, Add	*227.59*	
		For Class 55 Rating, Add	*505.87*	
40 05 19 00-2241	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,737.99	389.83
		For Class 52 Rating, Deduct	*-346.21*	
		For Class 54 Rating, Add	*236.05*	
		For Class 55 Rating, Add	*524.66*	
40 05 19 00-2242	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,854.47	392.29
		For Class 52 Rating, Deduct	*-358.61*	
		For Class 54 Rating, Add	*244.51*	
		For Class 55 Rating, Add	*543.46*	
40 05 19 00-2243	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,970.93	394.73
		For Class 52 Rating, Deduct	*-371.01*	
		For Class 54 Rating, Add	*252.96*	
		For Class 55 Rating, Add	*562.25*	
40 05 19 00-2244	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,087.41	397.19
		For Class 52 Rating, Deduct	*-383.42*	
		For Class 54 Rating, Add	*261.42*	
		For Class 55 Rating, Add	*581.05*	
40 05 19 00-2245	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,203.87	399.64
		For Class 52 Rating, Deduct	*-395.82*	
		For Class 54 Rating, Add	*269.88*	
		For Class 55 Rating, Add	*599.85*	
40 05 19 00-2246	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,319.12	402.09
		For Class 52 Rating, Deduct	*-408.09*	
		For Class 54 Rating, Add	*278.24*	
		For Class 55 Rating, Add	*618.44*	
40 05 19 00-2247	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,436.82	404.54
		For Class 52 Rating, Deduct	*-420.63*	
		For Class 54 Rating, Add	*286.79*	
		For Class 55 Rating, Add	*637.44*	
40 05 19 00-2248	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,553.29	407.00
		For Class 52 Rating, Deduct	*-433.03*	
		For Class 54 Rating, Add	*295.25*	
		For Class 55 Rating, Add	*656.24*	
40 05 19 00-2249	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,669.76	409.45
		For Class 52 Rating, Deduct	*-445.43*	
		For Class 54 Rating, Add	*303.70*	
		For Class 55 Rating, Add	*675.03*	
40 05 19 00-2250	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,786.23	411.90
		For Class 52 Rating, Deduct	*-457.84*	
		For Class 54 Rating, Add	*312.16*	
		For Class 55 Rating, Add	*693.83*	
40 05 19 00-2251	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,902.70	414.35
		For Class 52 Rating, Deduct	*-470.24*	
		For Class 54 Rating, Add	*320.62*	
		For Class 55 Rating, Add	*712.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2252	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,019.17	416.80
		For Class 52 Rating, Deduct	*-482.64*	
		For Class 54 Rating, Add	*329.07*	
		For Class 55 Rating, Add	*731.42*	
40 05 19 00-2253	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,135.64	419.26
		For Class 52 Rating, Deduct	*-495.04*	
		For Class 54 Rating, Add	*337.53*	
		For Class 55 Rating, Add	*750.22*	
40 05 19 00-2254	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,252.11	421.70
		For Class 52 Rating, Deduct	*-507.45*	
		For Class 54 Rating, Add	*345.99*	
		For Class 55 Rating, Add	*769.01*	
40 05 19 00-2255	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,368.57	424.16
		For Class 52 Rating, Deduct	*-519.85*	
		For Class 54 Rating, Add	*354.44*	
		For Class 55 Rating, Add	*787.81*	
40 05 19 00-2256	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,485.05	426.61
		For Class 52 Rating, Deduct	*-532.25*	
		For Class 54 Rating, Add	*362.90*	
		For Class 55 Rating, Add	*806.61*	
40 05 19 00-2257	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,601.51	429.06
		For Class 52 Rating, Deduct	*-544.66*	
		For Class 54 Rating, Add	*371.36*	
		For Class 55 Rating, Add	*825.40*	
40 05 19 00-2258	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,717.99	431.52
		For Class 52 Rating, Deduct	*-557.06*	
		For Class 54 Rating, Add	*379.81*	
		For Class 55 Rating, Add	*844.20*	
40 05 19 00-2259	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,834.45	433.96
		For Class 52 Rating, Deduct	*-569.46*	
		For Class 54 Rating, Add	*388.27*	
		For Class 55 Rating, Add	*862.99*	
40 05 19 00-2260	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,950.93	436.42
		For Class 52 Rating, Deduct	*-581.87*	
		For Class 54 Rating, Add	*396.73*	
		For Class 55 Rating, Add	*881.79*	

40 05 19 00-2261 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2262	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,022.50	411.90
		For Class 52 Rating, Deduct	*-153.83*	
		For Class 54 Rating, Add	*104.88*	
		For Class 55 Rating, Add	*233.11*	
40 05 19 00-2263	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,163.49	414.35
		For Class 52 Rating, Deduct	*-168.92*	
		For Class 54 Rating, Add	*115.18*	
		For Class 55 Rating, Add	*256.00*	
40 05 19 00-2264	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,304.46	416.80
		For Class 52 Rating, Deduct	*-184.02*	
		For Class 54 Rating, Add	*125.47*	
		For Class 55 Rating, Add	*278.88*	
40 05 19 00-2265	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,445.45	419.26
		For Class 52 Rating, Deduct	*-199.12*	
		For Class 54 Rating, Add	*135.77*	
		For Class 55 Rating, Add	*301.76*	
40 05 19 00-2266	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,586.43	421.70
		For Class 52 Rating, Deduct	*-214.22*	
		For Class 54 Rating, Add	*146.06*	
		For Class 55 Rating, Add	*324.64*	
40 05 19 00-2267	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,727.41	424.16
		For Class 52 Rating, Deduct	*-229.32*	
		For Class 54 Rating, Add	*156.36*	
		For Class 55 Rating, Add	*347.53*	
40 05 19 00-2268	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,868.39	426.61
		For Class 52 Rating, Deduct	*-244.42*	
		For Class 54 Rating, Add	*166.65*	
		For Class 55 Rating, Add	*370.41*	
40 05 19 00-2269	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,009.37	429.06
		For Class 52 Rating, Deduct	*-259.52*	
		For Class 54 Rating, Add	*176.95*	
		For Class 55 Rating, Add	*393.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2270	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,150.36	431.52
		For Class 52 Rating, Deduct	*-274.62*	
		For Class 54 Rating, Add	*187.24*	
		For Class 55 Rating, Add	*416.17*	
40 05 19 00-2271	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,291.33	433.96
		For Class 52 Rating, Deduct	*-289.72*	
		For Class 54 Rating, Add	*197.54*	
		For Class 55 Rating, Add	*439.06*	
40 05 19 00-2272	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,432.32	436.42
		For Class 52 Rating, Deduct	*-304.82*	
		For Class 54 Rating, Add	*207.83*	
		For Class 55 Rating, Add	*461.94*	
40 05 19 00-2273	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,573.30	438.87
		For Class 52 Rating, Deduct	*-319.92*	
		For Class 54 Rating, Add	*218.13*	
		For Class 55 Rating, Add	*484.82*	
40 05 19 00-2274	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,714.28	441.32
		For Class 52 Rating, Deduct	*-335.02*	
		For Class 54 Rating, Add	*228.42*	
		For Class 55 Rating, Add	*507.70*	
40 05 19 00-2275	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,855.26	443.77
		For Class 52 Rating, Deduct	*-350.12*	
		For Class 54 Rating, Add	*238.72*	
		For Class 55 Rating, Add	*530.59*	
40 05 19 00-2276	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,996.24	446.23
		For Class 52 Rating, Deduct	*-365.22*	
		For Class 54 Rating, Add	*249.01*	
		For Class 55 Rating, Add	*553.47*	
40 05 19 00-2277	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,137.23	448.67
		For Class 52 Rating, Deduct	*-380.32*	
		For Class 54 Rating, Add	*259.31*	
		For Class 55 Rating, Add	*576.35*	
40 05 19 00-2278	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,278.21	451.13
		For Class 52 Rating, Deduct	*-395.41*	
		For Class 54 Rating, Add	*269.60*	
		For Class 55 Rating, Add	*599.23*	
40 05 19 00-2279	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,419.20	453.58
		For Class 52 Rating, Deduct	*-410.51*	
		For Class 54 Rating, Add	*279.90*	
		For Class 55 Rating, Add	*622.12*	
40 05 19 00-2280	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,560.18	456.03
		For Class 52 Rating, Deduct	*-425.61*	
		For Class 54 Rating, Add	*290.19*	
		For Class 55 Rating, Add	*645.00*	
40 05 19 00-2281	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,701.16	458.49
		For Class 52 Rating, Deduct	*-440.71*	
		For Class 54 Rating, Add	*300.49*	
		For Class 55 Rating, Add	*667.88*	
40 05 19 00-2282	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,842.14	460.93
		For Class 52 Rating, Deduct	*-455.81*	
		For Class 54 Rating, Add	*310.78*	
		For Class 55 Rating, Add	*690.76*	
40 05 19 00-2283	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,983.12	463.39
		For Class 52 Rating, Deduct	*-470.91*	
		For Class 54 Rating, Add	*321.08*	
		For Class 55 Rating, Add	*713.65*	
40 05 19 00-2284	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,124.11	465.84
		For Class 52 Rating, Deduct	*-486.01*	
		For Class 54 Rating, Add	*331.37*	
		For Class 55 Rating, Add	*736.53*	
40 05 19 00-2285	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,265.09	468.29
		For Class 52 Rating, Deduct	*-501.11*	
		For Class 54 Rating, Add	*341.67*	
		For Class 55 Rating, Add	*759.41*	
40 05 19 00-2286	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,406.07	470.74
		For Class 52 Rating, Deduct	*-516.21*	
		For Class 54 Rating, Add	*351.96*	
		For Class 55 Rating, Add	*782.29*	
40 05 19 00-2287	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,547.05	473.19
		For Class 52 Rating, Deduct	*-531.31*	
		For Class 54 Rating, Add	*362.26*	
		For Class 55 Rating, Add	*805.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2288	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,688.03	475.65
		For Class 52 Rating, Deduct	*-546.41*	
		For Class 54 Rating, Add	*372.55*	
		For Class 55 Rating, Add	*828.06*	
40 05 19 00-2289	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,829.01	478.10
		For Class 52 Rating, Deduct	*-561.51*	
		For Class 54 Rating, Add	*382.85*	
		For Class 55 Rating, Add	*850.94*	
40 05 19 00-2290	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,969.99	480.55
		For Class 52 Rating, Deduct	*-576.61*	
		For Class 54 Rating, Add	*393.14*	
		For Class 55 Rating, Add	*873.82*	
40 05 19 00-2291	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,110.98	483.00
		For Class 52 Rating, Deduct	*-591.71*	
		For Class 54 Rating, Add	*403.44*	
		For Class 55 Rating, Add	*896.71*	
40 05 19 00-2292	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,251.96	485.46
		For Class 52 Rating, Deduct	*-606.81*	
		For Class 54 Rating, Add	*413.73*	
		For Class 55 Rating, Add	*919.59*	
40 05 19 00-2293	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,392.94	487.90
		For Class 52 Rating, Deduct	*-621.91*	
		For Class 54 Rating, Add	*424.03*	
		For Class 55 Rating, Add	*942.47*	
40 05 19 00-2294	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,533.92	490.36
		For Class 52 Rating, Deduct	*-637.01*	
		For Class 54 Rating, Add	*434.32*	
		For Class 55 Rating, Add	*965.35*	
40 05 19 00-2295	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,674.90	492.80
		For Class 52 Rating, Deduct	*-652.11*	
		For Class 54 Rating, Add	*444.62*	
		For Class 55 Rating, Add	*988.24*	
40 05 19 00-2296	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,815.88	495.26
		For Class 52 Rating, Deduct	*-667.20*	
		For Class 54 Rating, Add	*454.91*	
		For Class 55 Rating, Add	*1,011.12*	
40 05 19 00-2297	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,956.87	497.72
		For Class 52 Rating, Deduct	*-682.30*	
		For Class 54 Rating, Add	*465.21*	
		For Class 55 Rating, Add	*1,034.00*	
40 05 19 00-2298	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,097.86	500.16
		For Class 52 Rating, Deduct	*-697.40*	
		For Class 54 Rating, Add	*475.50*	
		For Class 55 Rating, Add	*1,056.88*	
40 05 19 00-2299	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,238.84	502.62
		For Class 52 Rating, Deduct	*-712.50*	
		For Class 54 Rating, Add	*485.80*	
		For Class 55 Rating, Add	*1,079.77*	

40 05 19 00-2300 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2301	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,367.81	470.74
		For Class 52 Rating, Deduct	*-182.00*	
		For Class 54 Rating, Add	*124.09*	
		For Class 55 Rating, Add	*275.82*	
40 05 19 00-2302	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,530.85	473.19
		For Class 52 Rating, Deduct	*-199.53*	
		For Class 54 Rating, Add	*136.04*	
		For Class 55 Rating, Add	*302.38*	
40 05 19 00-2303	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,693.89	475.65
		For Class 52 Rating, Deduct	*-217.05*	
		For Class 54 Rating, Add	*147.99*	
		For Class 55 Rating, Add	*328.94*	
40 05 19 00-2304	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,856.93	478.10
		For Class 52 Rating, Deduct	*-234.58*	
		For Class 54 Rating, Add	*159.94*	
		For Class 55 Rating, Add	*355.49*	
40 05 19 00-2305	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,019.97	480.55
		For Class 52 Rating, Deduct	*-252.11*	
		For Class 54 Rating, Add	*171.89*	
		For Class 55 Rating, Add	*382.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2306	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,183.02	483.00
		For Class 52 Rating, Deduct	*-269.63*	
		For Class 54 Rating, Add	*183.84*	
		For Class 55 Rating, Add	*408.62*	
40 05 19 00-2307	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,346.06	485.46
		For Class 52 Rating, Deduct	*-287.16*	
		For Class 54 Rating, Add	*195.79*	
		For Class 55 Rating, Add	*435.18*	
40 05 19 00-2308	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,509.11	487.90
		For Class 52 Rating, Deduct	*-304.68*	
		For Class 54 Rating, Add	*207.74*	
		For Class 55 Rating, Add	*461.74*	
40 05 19 00-2309	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,672.14	490.36
		For Class 52 Rating, Deduct	*-322.21*	
		For Class 54 Rating, Add	*219.69*	
		For Class 55 Rating, Add	*488.29*	
40 05 19 00-2310	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,835.18	492.80
		For Class 52 Rating, Deduct	*-339.74*	
		For Class 54 Rating, Add	*231.64*	
		For Class 55 Rating, Add	*514.85*	
40 05 19 00-2311	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,998.23	495.26
		For Class 52 Rating, Deduct	*-357.26*	
		For Class 54 Rating, Add	*243.59*	
		For Class 55 Rating, Add	*541.41*	
40 05 19 00-2312	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,161.28	497.72
		For Class 52 Rating, Deduct	*-374.79*	
		For Class 54 Rating, Add	*255.54*	
		For Class 55 Rating, Add	*567.98*	
40 05 19 00-2313	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,324.33	500.16
		For Class 52 Rating, Deduct	*-392.32*	
		For Class 54 Rating, Add	*267.49*	
		For Class 55 Rating, Add	*594.54*	
40 05 19 00-2314	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,487.36	502.62
		For Class 52 Rating, Deduct	*-409.84*	
		For Class 54 Rating, Add	*279.44*	
		For Class 55 Rating, Add	*621.09*	
40 05 19 00-2315	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,650.41	505.06
		For Class 52 Rating, Deduct	*-427.37*	
		For Class 54 Rating, Add	*291.39*	
		For Class 55 Rating, Add	*647.65*	
40 05 19 00-2316	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,813.45	507.52
		For Class 52 Rating, Deduct	*-444.89*	
		For Class 54 Rating, Add	*303.34*	
		For Class 55 Rating, Add	*674.21*	
40 05 19 00-2317	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,976.49	509.97
		For Class 52 Rating, Deduct	*-462.42*	
		For Class 54 Rating, Add	*315.29*	
		For Class 55 Rating, Add	*700.78*	
40 05 19 00-2318	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,139.54	512.42
		For Class 52 Rating, Deduct	*-479.95*	
		For Class 54 Rating, Add	*327.24*	
		For Class 55 Rating, Add	*727.34*	
40 05 19 00-2319	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,302.57	514.87
		For Class 52 Rating, Deduct	*-497.47*	
		For Class 54 Rating, Add	*339.18*	
		For Class 55 Rating, Add	*753.89*	
40 05 19 00-2320	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,465.62	517.33
		For Class 52 Rating, Deduct	*-515.00*	
		For Class 54 Rating, Add	*351.13*	
		For Class 55 Rating, Add	*780.45*	
40 05 19 00-2321	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,628.66	519.77
		For Class 52 Rating, Deduct	*-532.52*	
		For Class 54 Rating, Add	*363.08*	
		For Class 55 Rating, Add	*807.01*	
40 05 19 00-2322	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,791.71	522.23
		For Class 52 Rating, Deduct	*-550.05*	
		For Class 54 Rating, Add	*375.03*	
		For Class 55 Rating, Add	*833.58*	
40 05 19 00-2323	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,954.75	524.68
		For Class 52 Rating, Deduct	*-567.58*	
		For Class 54 Rating, Add	*386.98*	
		For Class 55 Rating, Add	*860.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2324	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,117.78	527.13
		For Class 52 Rating, Deduct	*-585.10*	
		For Class 54 Rating, Add	*398.93*	
		For Class 55 Rating, Add	*886.69*	
40 05 19 00-2325	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,280.83	529.59
		For Class 52 Rating, Deduct	*-602.63*	
		For Class 54 Rating, Add	*410.88*	
		For Class 55 Rating, Add	*913.25*	
40 05 19 00-2326	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,443.87	532.03
		For Class 52 Rating, Deduct	*-620.15*	
		For Class 54 Rating, Add	*422.83*	
		For Class 55 Rating, Add	*939.81*	
40 05 19 00-2327	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,606.92	534.49
		For Class 52 Rating, Deduct	*-637.68*	
		For Class 54 Rating, Add	*434.78*	
		For Class 55 Rating, Add	*966.37*	
40 05 19 00-2328	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,769.96	536.94
		For Class 52 Rating, Deduct	*-655.21*	
		For Class 54 Rating, Add	*446.73*	
		For Class 55 Rating, Add	*992.94*	
40 05 19 00-2329	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,933.00	539.39
		For Class 52 Rating, Deduct	*-672.73*	
		For Class 54 Rating, Add	*458.68*	
		For Class 55 Rating, Add	*1,019.49*	
40 05 19 00-2330	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,096.04	541.84
		For Class 52 Rating, Deduct	*-690.26*	
		For Class 54 Rating, Add	*470.63*	
		For Class 55 Rating, Add	*1,046.05*	
40 05 19 00-2331	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,259.09	544.29
		For Class 52 Rating, Deduct	*-707.78*	
		For Class 54 Rating, Add	*482.58*	
		For Class 55 Rating, Add	*1,072.61*	
40 05 19 00-2332	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,422.14	546.75
		For Class 52 Rating, Deduct	*-725.31*	
		For Class 54 Rating, Add	*494.53*	
		For Class 55 Rating, Add	*1,099.17*	
40 05 19 00-2333	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,585.18	549.20
		For Class 52 Rating, Deduct	*-742.84*	
		For Class 54 Rating, Add	*506.48*	
		For Class 55 Rating, Add	*1,125.74*	
40 05 19 00-2334	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,748.22	551.65
		For Class 52 Rating, Deduct	*-760.36*	
		For Class 54 Rating, Add	*518.43*	
		For Class 55 Rating, Add	*1,152.29*	
40 05 19 00-2335	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,911.26	554.10
		For Class 52 Rating, Deduct	*-777.89*	
		For Class 54 Rating, Add	*530.38*	
		For Class 55 Rating, Add	*1,178.85*	
40 05 19 00-2336	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,074.31	556.56
		For Class 52 Rating, Deduct	*-795.41*	
		For Class 54 Rating, Add	*542.33*	
		For Class 55 Rating, Add	*1,205.41*	
40 05 19 00-2337	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,237.35	559.00
		For Class 52 Rating, Deduct	*-812.94*	
		For Class 54 Rating, Add	*554.28*	
		For Class 55 Rating, Add	*1,231.97*	
40 05 19 00-2338	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,400.39	561.46
		For Class 52 Rating, Deduct	*-830.47*	
		For Class 54 Rating, Add	*566.23*	
		For Class 55 Rating, Add	*1,258.53*	

40 05 19 00-2339 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2340	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,752.59	530.57
		For Class 52 Rating, Deduct	*-214.36*	
		For Class 54 Rating, Add	*146.15*	
		For Class 55 Rating, Add	*324.85*	
40 05 19 00-2341	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,940.14	533.02
		For Class 52 Rating, Deduct	*-234.58*	
		For Class 54 Rating, Add	*159.94*	
		For Class 55 Rating, Add	*355.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2342	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,127.70	535.47
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*173.73*	
		For Class 55 Rating, Add	*386.14*	
40 05 19 00-2343	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,315.25	537.92
		For Class 52 Rating, Deduct	*-275.02*	
		For Class 54 Rating, Add	*187.52*	
		For Class 55 Rating, Add	*416.79*	
40 05 19 00-2344	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,502.80	540.37
		For Class 52 Rating, Deduct	*-295.25*	
		For Class 54 Rating, Add	*201.30*	
		For Class 55 Rating, Add	*447.43*	
40 05 19 00-2345	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,690.36	542.82
		For Class 52 Rating, Deduct	*-315.47*	
		For Class 54 Rating, Add	*215.09*	
		For Class 55 Rating, Add	*478.08*	
40 05 19 00-2346	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,877.91	545.28
		For Class 52 Rating, Deduct	*-335.69*	
		For Class 54 Rating, Add	*228.88*	
		For Class 55 Rating, Add	*508.73*	
40 05 19 00-2347	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,065.47	547.72
		For Class 52 Rating, Deduct	*-355.91*	
		For Class 54 Rating, Add	*242.67*	
		For Class 55 Rating, Add	*539.37*	
40 05 19 00-2348	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,253.02	550.18
		For Class 52 Rating, Deduct	*-376.14*	
		For Class 54 Rating, Add	*256.46*	
		For Class 55 Rating, Add	*570.02*	
40 05 19 00-2349	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,440.58	552.64
		For Class 52 Rating, Deduct	*-396.36*	
		For Class 54 Rating, Add	*270.24*	
		For Class 55 Rating, Add	*600.66*	
40 05 19 00-2350	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,628.14	555.08
		For Class 52 Rating, Deduct	*-416.58*	
		For Class 54 Rating, Add	*284.03*	
		For Class 55 Rating, Add	*631.31*	
40 05 19 00-2351	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,815.69	557.54
		For Class 52 Rating, Deduct	*-436.80*	
		For Class 54 Rating, Add	*297.82*	
		For Class 55 Rating, Add	*661.96*	
40 05 19 00-2352	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,003.25	559.98
		For Class 52 Rating, Deduct	*-457.03*	
		For Class 54 Rating, Add	*311.61*	
		For Class 55 Rating, Add	*692.60*	
40 05 19 00-2353	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,190.80	562.44
		For Class 52 Rating, Deduct	*-477.25*	
		For Class 54 Rating, Add	*325.40*	
		For Class 55 Rating, Add	*723.25*	
40 05 19 00-2354	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,378.36	564.89
		For Class 52 Rating, Deduct	*-497.47*	
		For Class 54 Rating, Add	*339.18*	
		For Class 55 Rating, Add	*753.89*	
40 05 19 00-2355	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,565.91	567.34
		For Class 52 Rating, Deduct	*-517.69*	
		For Class 54 Rating, Add	*352.97*	
		For Class 55 Rating, Add	*784.54*	
40 05 19 00-2356	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,753.47	569.79
		For Class 52 Rating, Deduct	*-537.92*	
		For Class 54 Rating, Add	*366.76*	
		For Class 55 Rating, Add	*815.19*	
40 05 19 00-2357	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,941.02	572.25
		For Class 52 Rating, Deduct	*-558.14*	
		For Class 54 Rating, Add	*380.55*	
		For Class 55 Rating, Add	*845.83*	
40 05 19 00-2358	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,128.57	574.70
		For Class 52 Rating, Deduct	*-578.36*	
		For Class 54 Rating, Add	*394.34*	
		For Class 55 Rating, Add	*876.48*	
40 05 19 00-2359	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,316.13	577.15
		For Class 52 Rating, Deduct	*-598.58*	
		For Class 54 Rating, Add	*408.12*	
		For Class 55 Rating, Add	*907.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2360	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,503.68	579.60
		For Class 52 Rating, Deduct	*-618.81*	
		For Class 54 Rating, Add	*421.91*	
		For Class 55 Rating, Add	*937.77*	
40 05 19 00-2361	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,691.24	582.05
		For Class 52 Rating, Deduct	*-639.03*	
		For Class 54 Rating, Add	*435.70*	
		For Class 55 Rating, Add	*968.42*	
40 05 19 00-2362	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,878.79	584.51
		For Class 52 Rating, Deduct	*-659.25*	
		For Class 54 Rating, Add	*449.49*	
		For Class 55 Rating, Add	*999.06*	
40 05 19 00-2363	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,066.35	586.95
		For Class 52 Rating, Deduct	*-679.47*	
		For Class 54 Rating, Add	*463.28*	
		For Class 55 Rating, Add	*1,029.71*	
40 05 19 00-2364	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,253.90	589.41
		For Class 52 Rating, Deduct	*-699.69*	
		For Class 54 Rating, Add	*477.06*	
		For Class 55 Rating, Add	*1,060.36*	
40 05 19 00-2365	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,441.45	591.86
		For Class 52 Rating, Deduct	*-719.92*	
		For Class 54 Rating, Add	*490.85*	
		For Class 55 Rating, Add	*1,091.00*	
40 05 19 00-2366	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,629.01	594.31
		For Class 52 Rating, Deduct	*-740.14*	
		For Class 54 Rating, Add	*504.64*	
		For Class 55 Rating, Add	*1,121.65*	
40 05 19 00-2367	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,816.56	596.76
		For Class 52 Rating, Deduct	*-760.36*	
		For Class 54 Rating, Add	*518.43*	
		For Class 55 Rating, Add	*1,152.29*	
40 05 19 00-2368	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,004.12	599.21
		For Class 52 Rating, Deduct	*-780.58*	
		For Class 54 Rating, Add	*532.22*	
		For Class 55 Rating, Add	*1,182.94*	
40 05 19 00-2369	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,191.68	601.67
		For Class 52 Rating, Deduct	*-800.81*	
		For Class 54 Rating, Add	*546.00*	
		For Class 55 Rating, Add	*1,213.59*	
40 05 19 00-2370	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,379.24	604.12
		For Class 52 Rating, Deduct	*-821.03*	
		For Class 54 Rating, Add	*559.79*	
		For Class 55 Rating, Add	*1,244.23*	
40 05 19 00-2371	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,566.79	606.57
		For Class 52 Rating, Deduct	*-841.25*	
		For Class 54 Rating, Add	*573.58*	
		For Class 55 Rating, Add	*1,274.88*	
40 05 19 00-2372	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,754.34	609.02
		For Class 52 Rating, Deduct	*-861.47*	
		For Class 54 Rating, Add	*587.37*	
		For Class 55 Rating, Add	*1,305.52*	
40 05 19 00-2373	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,941.90	611.48
		For Class 52 Rating, Deduct	*-881.70*	
		For Class 54 Rating, Add	*601.16*	
		For Class 55 Rating, Add	*1,336.17*	
40 05 19 00-2374	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,129.45	613.92
		For Class 52 Rating, Deduct	*-901.92*	
		For Class 54 Rating, Add	*614.94*	
		For Class 55 Rating, Add	*1,366.82*	
40 05 19 00-2375	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,317.01	616.38
		For Class 52 Rating, Deduct	*-922.14*	
		For Class 54 Rating, Add	*628.73*	
		For Class 55 Rating, Add	*1,397.46*	
40 05 19 00-2376	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,504.56	618.82
		For Class 52 Rating, Deduct	*-942.36*	
		For Class 54 Rating, Add	*642.52*	
		For Class 55 Rating, Add	*1,428.11*	
40 05 19 00-2377	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,692.12	621.28
		For Class 52 Rating, Deduct	*-962.59*	
		For Class 54 Rating, Add	*656.31*	
		For Class 55 Rating, Add	*1,458.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2378		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2379	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,215.56	605.59
		For Class 52 Rating, Deduct	*-252.78*	
		For Class 54 Rating, Add	*172.35*	
		For Class 55 Rating, Add	*383.08*	
40 05 19 00-2380	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,428.86	608.04
		For Class 52 Rating, Deduct	*-275.83*	
		For Class 54 Rating, Add	*188.07*	
		For Class 55 Rating, Add	*418.01*	
40 05 19 00-2381	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,642.15	610.49
		For Class 52 Rating, Deduct	*-298.89*	
		For Class 54 Rating, Add	*203.79*	
		For Class 55 Rating, Add	*452.95*	
40 05 19 00-2382	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,855.44	612.95
		For Class 52 Rating, Deduct	*-321.94*	
		For Class 54 Rating, Add	*219.50*	
		For Class 55 Rating, Add	*487.89*	
40 05 19 00-2383	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,068.73	615.40
		For Class 52 Rating, Deduct	*-344.99*	
		For Class 54 Rating, Add	*235.22*	
		For Class 55 Rating, Add	*522.82*	
40 05 19 00-2384	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,282.02	617.85
		For Class 52 Rating, Deduct	*-368.05*	
		For Class 54 Rating, Add	*250.94*	
		For Class 55 Rating, Add	*557.76*	
40 05 19 00-2385	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,495.32	620.30
		For Class 52 Rating, Deduct	*-391.10*	
		For Class 54 Rating, Add	*266.66*	
		For Class 55 Rating, Add	*592.70*	
40 05 19 00-2386	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,708.60	622.75
		For Class 52 Rating, Deduct	*-414.15*	
		For Class 54 Rating, Add	*282.38*	
		For Class 55 Rating, Add	*627.63*	
40 05 19 00-2387	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,921.90	625.20
		For Class 52 Rating, Deduct	*-437.21*	
		For Class 54 Rating, Add	*298.10*	
		For Class 55 Rating, Add	*662.57*	
40 05 19 00-2388	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,135.19	627.66
		For Class 52 Rating, Deduct	*-460.26*	
		For Class 54 Rating, Add	*313.82*	
		For Class 55 Rating, Add	*697.51*	
40 05 19 00-2389	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,348.49	630.10
		For Class 52 Rating, Deduct	*-483.32*	
		For Class 54 Rating, Add	*329.53*	
		For Class 55 Rating, Add	*732.44*	
40 05 19 00-2390	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,561.77	632.56
		For Class 52 Rating, Deduct	*-506.37*	
		For Class 54 Rating, Add	*345.25*	
		For Class 55 Rating, Add	*767.38*	
40 05 19 00-2391	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,775.06	635.02
		For Class 52 Rating, Deduct	*-529.42*	
		For Class 54 Rating, Add	*360.97*	
		For Class 55 Rating, Add	*802.32*	
40 05 19 00-2392	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,988.36	637.46
		For Class 52 Rating, Deduct	*-552.48*	
		For Class 54 Rating, Add	*376.69*	
		For Class 55 Rating, Add	*837.25*	
40 05 19 00-2393	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,201.66	639.92
		For Class 52 Rating, Deduct	*-575.53*	
		For Class 54 Rating, Add	*392.41*	
		For Class 55 Rating, Add	*872.19*	
40 05 19 00-2394	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,414.95	642.36
		For Class 52 Rating, Deduct	*-598.58*	
		For Class 54 Rating, Add	*408.12*	
		For Class 55 Rating, Add	*907.12*	
40 05 19 00-2395	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,628.24	644.82
		For Class 52 Rating, Deduct	*-621.64*	
		For Class 54 Rating, Add	*423.84*	
		For Class 55 Rating, Add	*942.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2396	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,841.54	647.27
		For Class 52 Rating, Deduct	*-644.69*	
		For Class 54 Rating, Add	*439.56*	
		For Class 55 Rating, Add	*977.00*	
40 05 19 00-2397	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,054.83	649.72
		For Class 52 Rating, Deduct	*-667.74*	
		For Class 54 Rating, Add	*455.28*	
		For Class 55 Rating, Add	*1,011.94*	
40 05 19 00-2398	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,268.11	652.17
		For Class 52 Rating, Deduct	*-690.80*	
		For Class 54 Rating, Add	*471.00*	
		For Class 55 Rating, Add	*1,046.87*	
40 05 19 00-2399	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,481.41	654.63
		For Class 52 Rating, Deduct	*-713.85*	
		For Class 54 Rating, Add	*486.72*	
		For Class 55 Rating, Add	*1,081.81*	
40 05 19 00-2400	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,694.70	657.08
		For Class 52 Rating, Deduct	*-736.90*	
		For Class 54 Rating, Add	*502.43*	
		For Class 55 Rating, Add	*1,116.74*	
40 05 19 00-2401	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,908.00	659.53
		For Class 52 Rating, Deduct	*-759.96*	
		For Class 54 Rating, Add	*518.15*	
		For Class 55 Rating, Add	*1,151.68*	
40 05 19 00-2402	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,121.28	661.98
		For Class 52 Rating, Deduct	*-783.01*	
		For Class 54 Rating, Add	*533.87*	
		For Class 55 Rating, Add	*1,186.62*	
40 05 19 00-2403	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,334.58	664.43
		For Class 52 Rating, Deduct	*-806.06*	
		For Class 54 Rating, Add	*549.59*	
		For Class 55 Rating, Add	*1,221.55*	
40 05 19 00-2404	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,547.87	666.89
		For Class 52 Rating, Deduct	*-829.12*	
		For Class 54 Rating, Add	*565.31*	
		For Class 55 Rating, Add	*1,256.49*	
40 05 19 00-2405	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,761.16	669.33
		For Class 52 Rating, Deduct	*-852.17*	
		For Class 54 Rating, Add	*581.03*	
		For Class 55 Rating, Add	*1,291.43*	
40 05 19 00-2406	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,974.46	671.79
		For Class 52 Rating, Deduct	*-875.23*	
		For Class 54 Rating, Add	*596.75*	
		For Class 55 Rating, Add	*1,326.37*	
40 05 19 00-2407	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,187.74	674.24
		For Class 52 Rating, Deduct	*-898.28*	
		For Class 54 Rating, Add	*612.46*	
		For Class 55 Rating, Add	*1,361.30*	
40 05 19 00-2408	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,401.04	676.69
		For Class 52 Rating, Deduct	*-921.33*	
		For Class 54 Rating, Add	*628.18*	
		For Class 55 Rating, Add	*1,396.24*	
40 05 19 00-2409	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,614.33	679.15
		For Class 52 Rating, Deduct	*-944.39*	
		For Class 54 Rating, Add	*643.90*	
		For Class 55 Rating, Add	*1,431.17*	
40 05 19 00-2410	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,827.63	681.59
		For Class 52 Rating, Deduct	*-967.44*	
		For Class 54 Rating, Add	*659.62*	
		For Class 55 Rating, Add	*1,466.11*	
40 05 19 00-2411	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,040.91	684.05
		For Class 52 Rating, Deduct	*-990.49*	
		For Class 54 Rating, Add	*675.34*	
		For Class 55 Rating, Add	*1,501.05*	
40 05 19 00-2412	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,254.21	686.50
		For Class 52 Rating, Deduct	*-1,013.55*	
		For Class 54 Rating, Add	*691.05*	
		For Class 55 Rating, Add	*1,535.98*	
40 05 19 00-2413	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,467.51	688.95
		For Class 52 Rating, Deduct	*-1,036.60*	
		For Class 54 Rating, Add	*706.77*	
		For Class 55 Rating, Add	*1,570.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2414	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,680.80	691.40
		For Class 52 Rating, Deduct	*-1,059.65*	
		For Class 54 Rating, Add	*722.49*	
		For Class 55 Rating, Add	*1,605.86*	
40 05 19 00-2415	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,894.09	693.86
		For Class 52 Rating, Deduct	*-1,082.71*	
		For Class 54 Rating, Add	*738.21*	
		For Class 55 Rating, Add	*1,640.79*	
40 05 19 00-2416	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,107.38	696.30
		For Class 52 Rating, Deduct	*-1,105.76*	
		For Class 54 Rating, Add	*753.93*	
		For Class 55 Rating, Add	*1,675.73*	

40 05 19 00-2417 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2418	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,952.63	715.92
		For Class 52 Rating, Deduct	*-315.47*	
		For Class 54 Rating, Add	*215.09*	
		For Class 55 Rating, Add	*478.08*	
40 05 19 00-2419	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,216.17	718.37
		For Class 52 Rating, Deduct	*-344.05*	
		For Class 54 Rating, Add	*234.58*	
		For Class 55 Rating, Add	*521.39*	
40 05 19 00-2420	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,479.71	720.82
		For Class 52 Rating, Deduct	*-372.63*	
		For Class 54 Rating, Add	*254.07*	
		For Class 55 Rating, Add	*564.71*	
40 05 19 00-2421	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,743.26	723.27
		For Class 52 Rating, Deduct	*-401.21*	
		For Class 54 Rating, Add	*273.55*	
		For Class 55 Rating, Add	*608.02*	
40 05 19 00-2422	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,006.79	725.73
		For Class 52 Rating, Deduct	*-429.79*	
		For Class 54 Rating, Add	*293.04*	
		For Class 55 Rating, Add	*651.33*	
40 05 19 00-2423	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,270.34	728.18
		For Class 52 Rating, Deduct	*-458.37*	
		For Class 54 Rating, Add	*312.53*	
		For Class 55 Rating, Add	*694.65*	
40 05 19 00-2424	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,533.88	730.63
		For Class 52 Rating, Deduct	*-486.96*	
		For Class 54 Rating, Add	*332.02*	
		For Class 55 Rating, Add	*737.96*	
40 05 19 00-2425	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,797.43	733.09
		For Class 52 Rating, Deduct	*-515.54*	
		For Class 54 Rating, Add	*351.50*	
		For Class 55 Rating, Add	*781.27*	
40 05 19 00-2426	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,060.97	735.53
		For Class 52 Rating, Deduct	*-544.12*	
		For Class 54 Rating, Add	*370.99*	
		For Class 55 Rating, Add	*824.58*	
40 05 19 00-2427	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,324.51	737.99
		For Class 52 Rating, Deduct	*-572.70*	
		For Class 54 Rating, Add	*390.48*	
		For Class 55 Rating, Add	*867.90*	
40 05 19 00-2428	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,588.06	740.43
		For Class 52 Rating, Deduct	*-601.28*	
		For Class 54 Rating, Add	*409.96*	
		For Class 55 Rating, Add	*911.21*	
40 05 19 00-2429	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,851.59	742.89
		For Class 52 Rating, Deduct	*-629.86*	
		For Class 54 Rating, Add	*429.45*	
		For Class 55 Rating, Add	*954.52*	
40 05 19 00-2430	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,115.14	745.34
		For Class 52 Rating, Deduct	*-658.44*	
		For Class 54 Rating, Add	*448.94*	
		For Class 55 Rating, Add	*997.84*	
40 05 19 00-2431	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,378.68	747.79
		For Class 52 Rating, Deduct	*-687.02*	
		For Class 54 Rating, Add	*468.42*	
		For Class 55 Rating, Add	*1,041.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2432	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,642.22	750.25
		For Class 52 Rating, Deduct	*-715.60*	
		For Class 54 Rating, Add	*487.91*	
		For Class 55 Rating, Add	*1,084.46*	
40 05 19 00-2433	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,905.76	752.70
		For Class 52 Rating, Deduct	*-744.18*	
		For Class 54 Rating, Add	*507.40*	
		For Class 55 Rating, Add	*1,127.78*	
40 05 19 00-2434	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,169.30	755.15
		For Class 52 Rating, Deduct	*-772.77*	
		For Class 54 Rating, Add	*526.89*	
		For Class 55 Rating, Add	*1,171.09*	
40 05 19 00-2435	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,432.85	757.60
		For Class 52 Rating, Deduct	*-801.35*	
		For Class 54 Rating, Add	*546.37*	
		For Class 55 Rating, Add	*1,214.40*	
40 05 19 00-2436	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,696.38	760.05
		For Class 52 Rating, Deduct	*-829.93*	
		For Class 54 Rating, Add	*565.86*	
		For Class 55 Rating, Add	*1,257.72*	
40 05 19 00-2437	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,959.93	762.50
		For Class 52 Rating, Deduct	*-858.51*	
		For Class 54 Rating, Add	*585.35*	
		For Class 55 Rating, Add	*1,301.03*	
40 05 19 00-2438	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,223.47	764.96
		For Class 52 Rating, Deduct	*-887.09*	
		For Class 54 Rating, Add	*604.83*	
		For Class 55 Rating, Add	*1,344.34*	
40 05 19 00-2439	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,487.02	767.40
		For Class 52 Rating, Deduct	*-915.67*	
		For Class 54 Rating, Add	*624.32*	
		For Class 55 Rating, Add	*1,387.66*	
40 05 19 00-2440	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,750.55	769.86
		For Class 52 Rating, Deduct	*-944.25*	
		For Class 54 Rating, Add	*643.81*	
		For Class 55 Rating, Add	*1,430.97*	
40 05 19 00-2441	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,014.09	772.31
		For Class 52 Rating, Deduct	*-972.83*	
		For Class 54 Rating, Add	*663.29*	
		For Class 55 Rating, Add	*1,474.28*	
40 05 19 00-2442	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,277.64	774.76
		For Class 52 Rating, Deduct	*-1,001.41*	
		For Class 54 Rating, Add	*682.78*	
		For Class 55 Rating, Add	*1,517.60*	
40 05 19 00-2443	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,541.17	777.22
		For Class 52 Rating, Deduct	*-1,029.99*	
		For Class 54 Rating, Add	*702.27*	
		For Class 55 Rating, Add	*1,560.91*	
40 05 19 00-2444	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,804.72	779.66
		For Class 52 Rating, Deduct	*-1,058.58*	
		For Class 54 Rating, Add	*721.76*	
		For Class 55 Rating, Add	*1,604.22*	
40 05 19 00-2445	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,068.27	782.12
		For Class 52 Rating, Deduct	*-1,087.16*	
		For Class 54 Rating, Add	*741.24*	
		For Class 55 Rating, Add	*1,647.54*	
40 05 19 00-2446	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,331.82	784.57
		For Class 52 Rating, Deduct	*-1,115.74*	
		For Class 54 Rating, Add	*760.73*	
		For Class 55 Rating, Add	*1,690.85*	
40 05 19 00-2447	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,658.50	828.70
		For Class 52 Rating, Deduct	*-1,144.32*	
		For Class 54 Rating, Add	*780.22*	
		For Class 55 Rating, Add	*1,734.16*	
40 05 19 00-2448	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,922.05	831.15
		For Class 52 Rating, Deduct	*-1,172.90*	
		For Class 54 Rating, Add	*799.70*	
		For Class 55 Rating, Add	*1,777.48*	
40 05 19 00-2449	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,185.59	833.60
		For Class 52 Rating, Deduct	*-1,201.48*	
		For Class 54 Rating, Add	*819.19*	
		For Class 55 Rating, Add	*1,820.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,449.13	836.06
		For Class 52 Rating, Deduct	*-1,230.06*	
		For Class 54 Rating, Add	*838.68*	
		For Class 55 Rating, Add	*1,864.10*	
40 05 19 00-2451	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,712.67	838.51
		For Class 52 Rating, Deduct	*-1,258.64*	
		For Class 54 Rating, Add	*858.17*	
		For Class 55 Rating, Add	*1,907.41*	
40 05 19 00-2452	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,976.21	840.96
		For Class 52 Rating, Deduct	*-1,287.22*	
		For Class 54 Rating, Add	*877.65*	
		For Class 55 Rating, Add	*1,950.73*	
40 05 19 00-2453	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,239.76	843.42
		For Class 52 Rating, Deduct	*-1,315.80*	
		For Class 54 Rating, Add	*897.14*	
		For Class 55 Rating, Add	*1,994.04*	
40 05 19 00-2454	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,503.29	845.86
		For Class 52 Rating, Deduct	*-1,344.38*	
		For Class 54 Rating, Add	*916.63*	
		For Class 55 Rating, Add	*2,037.35*	
40 05 19 00-2455	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,766.84	848.32
		For Class 52 Rating, Deduct	*-1,372.97*	
		For Class 54 Rating, Add	*936.11*	
		For Class 55 Rating, Add	*2,080.67*	

40 05 19 00-2456 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2457	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,070.12	1,010.13
		For Class 52 Rating, Deduct	*-499.36*	
		For Class 54 Rating, Add	*340.47*	
		For Class 55 Rating, Add	*756.75*	
40 05 19 00-2458	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,446.42	1,012.59
		For Class 52 Rating, Deduct	*-540.34*	
		For Class 54 Rating, Add	*368.42*	
		For Class 55 Rating, Add	*818.86*	
40 05 19 00-2459	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,822.72	1,015.03
		For Class 52 Rating, Deduct	*-581.33*	
		For Class 54 Rating, Add	*396.36*	
		For Class 55 Rating, Add	*880.97*	
40 05 19 00-2460	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,199.02	1,017.49
		For Class 52 Rating, Deduct	*-622.31*	
		For Class 54 Rating, Add	*424.30*	
		For Class 55 Rating, Add	*943.08*	
40 05 19 00-2461	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,575.32	1,019.95
		For Class 52 Rating, Deduct	*-663.29*	
		For Class 54 Rating, Add	*452.25*	
		For Class 55 Rating, Add	*1,005.19*	
40 05 19 00-2462	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,951.61	1,022.39
		For Class 52 Rating, Deduct	*-704.28*	
		For Class 54 Rating, Add	*480.19*	
		For Class 55 Rating, Add	*1,067.30*	
40 05 19 00-2463	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,327.92	1,024.85
		For Class 52 Rating, Deduct	*-745.26*	
		For Class 54 Rating, Add	*508.13*	
		For Class 55 Rating, Add	*1,129.41*	
40 05 19 00-2464	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,704.21	1,027.29
		For Class 52 Rating, Deduct	*-786.25*	
		For Class 54 Rating, Add	*536.08*	
		For Class 55 Rating, Add	*1,191.52*	
40 05 19 00-2465	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,080.51	1,029.75
		For Class 52 Rating, Deduct	*-827.23*	
		For Class 54 Rating, Add	*564.02*	
		For Class 55 Rating, Add	*1,253.63*	
40 05 19 00-2466	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,456.80	1,032.20
		For Class 52 Rating, Deduct	*-868.21*	
		For Class 54 Rating, Add	*591.96*	
		For Class 55 Rating, Add	*1,315.74*	
40 05 19 00-2467	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,833.10	1,034.65
		For Class 52 Rating, Deduct	*-909.20*	
		For Class 54 Rating, Add	*619.91*	
		For Class 55 Rating, Add	*1,377.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2468	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,209.40	1,037.10
		For Class 52 Rating, Deduct	*-950.18*	
		For Class 54 Rating, Add	*647.85*	
		For Class 55 Rating, Add	*1,439.96*	
40 05 19 00-2469	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,585.69	1,039.55
		For Class 52 Rating, Deduct	*-991.17*	
		For Class 54 Rating, Add	*675.80*	
		For Class 55 Rating, Add	*1,502.07*	
40 05 19 00-2470	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,961.99	1,042.01
		For Class 52 Rating, Deduct	*-1,032.15*	
		For Class 54 Rating, Add	*703.74*	
		For Class 55 Rating, Add	*1,564.18*	
40 05 19 00-2471	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,338.29	1,044.46
		For Class 52 Rating, Deduct	*-1,073.14*	
		For Class 54 Rating, Add	*731.68*	
		For Class 55 Rating, Add	*1,626.29*	
40 05 19 00-2472	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,714.59	1,046.91
		For Class 52 Rating, Deduct	*-1,114.12*	
		For Class 54 Rating, Add	*759.63*	
		For Class 55 Rating, Add	*1,688.40*	
40 05 19 00-2473	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,090.88	1,049.36
		For Class 52 Rating, Deduct	*-1,155.10*	
		For Class 54 Rating, Add	*787.57*	
		For Class 55 Rating, Add	*1,750.51*	
40 05 19 00-2474	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,467.17	1,051.82
		For Class 52 Rating, Deduct	*-1,196.09*	
		For Class 54 Rating, Add	*815.51*	
		For Class 55 Rating, Add	*1,812.62*	
40 05 19 00-2475	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,843.48	1,054.26
		For Class 52 Rating, Deduct	*-1,237.07*	
		For Class 54 Rating, Add	*843.46*	
		For Class 55 Rating, Add	*1,874.73*	
40 05 19 00-2476	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,219.77	1,056.72
		For Class 52 Rating, Deduct	*-1,278.06*	
		For Class 54 Rating, Add	*871.40*	
		For Class 55 Rating, Add	*1,936.84*	
40 05 19 00-2477	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,596.07	1,059.16
		For Class 52 Rating, Deduct	*-1,319.04*	
		For Class 54 Rating, Add	*899.35*	
		For Class 55 Rating, Add	*1,998.94*	
40 05 19 00-2478	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,972.36	1,061.62
		For Class 52 Rating, Deduct	*-1,360.02*	
		For Class 54 Rating, Add	*927.29*	
		For Class 55 Rating, Add	*2,061.05*	
40 05 19 00-2479	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,348.67	1,064.08
		For Class 52 Rating, Deduct	*-1,401.01*	
		For Class 54 Rating, Add	*955.23*	
		For Class 55 Rating, Add	*2,123.16*	
40 05 19 00-2480	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,724.97	1,066.52
		For Class 52 Rating, Deduct	*-1,441.99*	
		For Class 54 Rating, Add	*983.18*	
		For Class 55 Rating, Add	*2,185.27*	
40 05 19 00-2481	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,101.26	1,068.98
		For Class 52 Rating, Deduct	*-1,482.98*	
		For Class 54 Rating, Add	*1,011.12*	
		For Class 55 Rating, Add	*2,247.38*	
40 05 19 00-2482	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,477.56	1,071.43
		For Class 52 Rating, Deduct	*-1,523.96*	
		For Class 54 Rating, Add	*1,039.06*	
		For Class 55 Rating, Add	*2,309.49*	
40 05 19 00-2483	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,853.85	1,073.88
		For Class 52 Rating, Deduct	*-1,564.94*	
		For Class 54 Rating, Add	*1,067.01*	
		For Class 55 Rating, Add	*2,371.60*	
40 05 19 00-2484	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,230.16	1,076.33
		For Class 52 Rating, Deduct	*-1,605.93*	
		For Class 54 Rating, Add	*1,094.95*	
		For Class 55 Rating, Add	*2,433.71*	
40 05 19 00-2485	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,606.45	1,078.78
		For Class 52 Rating, Deduct	*-1,646.91*	
		For Class 54 Rating, Add	*1,122.89*	
		For Class 55 Rating, Add	*2,495.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2486	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,982.75	1,081.23
		For Class 52 Rating, Deduct	*-1,687.90*	
		For Class 54 Rating, Add	*1,150.84*	
		For Class 55 Rating, Add	*2,557.93*	
40 05 19 00-2487	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,359.04	1,083.69
		For Class 52 Rating, Deduct	*-1,728.88*	
		For Class 54 Rating, Add	*1,178.78*	
		For Class 55 Rating, Add	*2,620.04*	
40 05 19 00-2488	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,735.34	1,086.14
		For Class 52 Rating, Deduct	*-1,769.86*	
		For Class 54 Rating, Add	*1,206.73*	
		For Class 55 Rating, Add	*2,682.15*	
40 05 19 00-2489	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,111.64	1,088.59
		For Class 52 Rating, Deduct	*-1,810.85*	
		For Class 54 Rating, Add	*1,234.67*	
		For Class 55 Rating, Add	*2,744.26*	
40 05 19 00-2490	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,487.93	1,091.05
		For Class 52 Rating, Deduct	*-1,851.83*	
		For Class 54 Rating, Add	*1,262.61*	
		For Class 55 Rating, Add	*2,806.37*	
40 05 19 00-2491	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,864.23	1,093.49
		For Class 52 Rating, Deduct	*-1,892.82*	
		For Class 54 Rating, Add	*1,290.56*	
		For Class 55 Rating, Add	*2,868.48*	

40 05 19 00-2492 36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2493	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,411.52	1,279.83
		For Class 52 Rating, Deduct	*-711.96*	
		For Class 54 Rating, Add	*485.43*	
		For Class 55 Rating, Add	*1,078.95*	
40 05 19 00-2494	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,915.29	1,282.28
		For Class 52 Rating, Deduct	*-766.97*	
		For Class 54 Rating, Add	*522.93*	
		For Class 55 Rating, Add	*1,162.31*	
40 05 19 00-2495	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,419.04	1,284.73
		For Class 52 Rating, Deduct	*-821.97*	
		For Class 54 Rating, Add	*560.44*	
		For Class 55 Rating, Add	*1,245.66*	
40 05 19 00-2496	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,922.81	1,287.18
		For Class 52 Rating, Deduct	*-876.98*	
		For Class 54 Rating, Add	*597.94*	
		For Class 55 Rating, Add	*1,329.02*	
40 05 19 00-2497	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,426.56	1,289.64
		For Class 52 Rating, Deduct	*-931.98*	
		For Class 54 Rating, Add	*635.44*	
		For Class 55 Rating, Add	*1,412.38*	
40 05 19 00-2498	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,930.33	1,292.09
		For Class 52 Rating, Deduct	*-986.99*	
		For Class 54 Rating, Add	*672.95*	
		For Class 55 Rating, Add	*1,495.74*	
40 05 19 00-2499	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,434.08	1,294.54
		For Class 52 Rating, Deduct	*-1,041.99*	
		For Class 54 Rating, Add	*710.45*	
		For Class 55 Rating, Add	*1,579.09*	
40 05 19 00-2500	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,937.84	1,296.99
		For Class 52 Rating, Deduct	*-1,097.00*	
		For Class 54 Rating, Add	*747.95*	
		For Class 55 Rating, Add	*1,662.45*	
40 05 19 00-2501	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,441.60	1,299.45
		For Class 52 Rating, Deduct	*-1,152.00*	
		For Class 54 Rating, Add	*785.46*	
		For Class 55 Rating, Add	*1,745.81*	
40 05 19 00-2502	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,945.37	1,301.89
		For Class 52 Rating, Deduct	*-1,207.01*	
		For Class 54 Rating, Add	*822.96*	
		For Class 55 Rating, Add	*1,829.17*	
40 05 19 00-2503	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,449.13	1,304.35
		For Class 52 Rating, Deduct	*-1,262.01*	
		For Class 54 Rating, Add	*860.46*	
		For Class 55 Rating, Add	*1,912.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2504	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,952.89	1,306.79
		For Class 52 Rating, Deduct	*-1,317.02*	
		For Class 54 Rating, Add	*897.97*	
		For Class 55 Rating, Add	*1,995.88*	
40 05 19 00-2505	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,456.65	1,309.25
		For Class 52 Rating, Deduct	*-1,372.02*	
		For Class 54 Rating, Add	*935.47*	
		For Class 55 Rating, Add	*2,079.24*	
40 05 19 00-2506	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,960.41	1,311.70
		For Class 52 Rating, Deduct	*-1,427.03*	
		For Class 54 Rating, Add	*972.97*	
		For Class 55 Rating, Add	*2,162.60*	
40 05 19 00-2507	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,464.16	1,314.15
		For Class 52 Rating, Deduct	*-1,482.03*	
		For Class 54 Rating, Add	*1,010.48*	
		For Class 55 Rating, Add	*2,245.95*	
40 05 19 00-2508	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,967.93	1,316.61
		For Class 52 Rating, Deduct	*-1,537.04*	
		For Class 54 Rating, Add	*1,047.98*	
		For Class 55 Rating, Add	*2,329.31*	
40 05 19 00-2509	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,471.68	1,319.06
		For Class 52 Rating, Deduct	*-1,592.04*	
		For Class 54 Rating, Add	*1,085.48*	
		For Class 55 Rating, Add	*2,412.67*	
40 05 19 00-2510	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,975.45	1,321.51
		For Class 52 Rating, Deduct	*-1,647.05*	
		For Class 54 Rating, Add	*1,122.99*	
		For Class 55 Rating, Add	*2,496.03*	
40 05 19 00-2511	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,479.20	1,323.96
		For Class 52 Rating, Deduct	*-1,702.05*	
		For Class 54 Rating, Add	*1,160.49*	
		For Class 55 Rating, Add	*2,579.38*	
40 05 19 00-2512	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,982.96	1,326.41
		For Class 52 Rating, Deduct	*-1,757.06*	
		For Class 54 Rating, Add	*1,197.99*	
		For Class 55 Rating, Add	*2,662.74*	
40 05 19 00-2513	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,486.72	1,328.86
		For Class 52 Rating, Deduct	*-1,812.06*	
		For Class 54 Rating, Add	*1,235.50*	
		For Class 55 Rating, Add	*2,746.10*	
40 05 19 00-2514	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,990.47	1,331.32
		For Class 52 Rating, Deduct	*-1,867.07*	
		For Class 54 Rating, Add	*1,273.00*	
		For Class 55 Rating, Add	*2,829.45*	
40 05 19 00-2515	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,494.24	1,333.76
		For Class 52 Rating, Deduct	*-1,922.07*	
		For Class 54 Rating, Add	*1,310.50*	
		For Class 55 Rating, Add	*2,912.81*	
40 05 19 00-2516	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,997.99	1,336.22
		For Class 52 Rating, Deduct	*-1,977.08*	
		For Class 54 Rating, Add	*1,348.01*	
		For Class 55 Rating, Add	*2,996.17*	
40 05 19 00-2517	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,501.76	1,338.68
		For Class 52 Rating, Deduct	*-2,032.08*	
		For Class 54 Rating, Add	*1,385.51*	
		For Class 55 Rating, Add	*3,079.53*	
40 05 19 00-2518	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,005.51	1,341.12
		For Class 52 Rating, Deduct	*-2,087.09*	
		For Class 54 Rating, Add	*1,423.01*	
		For Class 55 Rating, Add	*3,162.88*	
40 05 19 00-2519	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,509.28	1,343.58
		For Class 52 Rating, Deduct	*-2,142.09*	
		For Class 54 Rating, Add	*1,460.52*	
		For Class 55 Rating, Add	*3,246.24*	
40 05 19 00-2520	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,013.03	1,346.02
		For Class 52 Rating, Deduct	*-2,197.10*	
		For Class 54 Rating, Add	*1,498.02*	
		For Class 55 Rating, Add	*3,329.60*	
40 05 19 00-2521	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,516.80	1,348.48
		For Class 52 Rating, Deduct	*-2,252.10*	
		For Class 54 Rating, Add	*1,535.52*	
		For Class 55 Rating, Add	*3,412.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2522	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,020.56	1,350.93
		For Class 52 Rating, Deduct	*-2,307.11*	
		For Class 54 Rating, Add	*1,573.03*	
		For Class 55 Rating, Add	*3,496.31*	
40 05 19 00-2523	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,524.32	1,353.38
		For Class 52 Rating, Deduct	*-2,362.11*	
		For Class 54 Rating, Add	*1,610.53*	
		For Class 55 Rating, Add	*3,579.67*	
40 05 19 00-2524	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,028.08	1,355.83
		For Class 52 Rating, Deduct	*-2,417.12*	
		For Class 54 Rating, Add	*1,648.03*	
		For Class 55 Rating, Add	*3,663.03*	
40 05 19 00-2525	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,531.84	1,358.29
		For Class 52 Rating, Deduct	*-2,472.12*	
		For Class 54 Rating, Add	*1,685.54*	
		For Class 55 Rating, Add	*3,746.39*	
40 05 19 00-2526	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,035.60	1,360.74
		For Class 52 Rating, Deduct	*-2,527.13*	
		For Class 54 Rating, Add	*1,723.04*	
		For Class 55 Rating, Add	*3,829.74*	
40 05 19 00-2527	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,539.36	1,363.19
		For Class 52 Rating, Deduct	*-2,582.13*	
		For Class 54 Rating, Add	*1,760.54*	
		For Class 55 Rating, Add	*3,913.10*	

40 05 19 00-2528 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2529	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,078.70	1,613.27
		For Class 52 Rating, Deduct	*-949.78*	
		For Class 54 Rating, Add	*647.58*	
		For Class 55 Rating, Add	*1,439.35*	
40 05 19 00-2530	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,817.77	1,615.72
		For Class 52 Rating, Deduct	*-1,030.67*	
		For Class 54 Rating, Add	*702.73*	
		For Class 55 Rating, Add	*1,561.93*	
40 05 19 00-2531	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,550.72	1,618.18
		For Class 52 Rating, Deduct	*-1,110.88*	
		For Class 54 Rating, Add	*757.42*	
		For Class 55 Rating, Add	*1,683.49*	
40 05 19 00-2532	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,291.02	1,620.62
		For Class 52 Rating, Deduct	*-1,191.91*	
		For Class 54 Rating, Add	*812.66*	
		For Class 55 Rating, Add	*1,806.28*	
40 05 19 00-2533	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,026.42	1,623.08
		For Class 52 Rating, Deduct	*-1,272.39*	
		For Class 54 Rating, Add	*867.54*	
		For Class 55 Rating, Add	*1,928.25*	
40 05 19 00-2534	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,769.17	1,625.53
		For Class 52 Rating, Deduct	*-1,353.69*	
		For Class 54 Rating, Add	*922.97*	
		For Class 55 Rating, Add	*2,051.45*	
40 05 19 00-2535	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,504.57	1,627.98
		For Class 52 Rating, Deduct	*-1,434.17*	
		For Class 54 Rating, Add	*977.84*	
		For Class 55 Rating, Add	*2,173.42*	
40 05 19 00-2536	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,248.55	1,630.44
		For Class 52 Rating, Deduct	*-1,515.60*	
		For Class 54 Rating, Add	*1,033.37*	
		For Class 55 Rating, Add	*2,296.83*	
40 05 19 00-2537	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,986.40	1,632.88
		For Class 52 Rating, Deduct	*-1,596.36*	
		For Class 54 Rating, Add	*1,088.42*	
		For Class 55 Rating, Add	*2,419.21*	
40 05 19 00-2538	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,730.38	1,635.34
		For Class 52 Rating, Deduct	*-1,677.78*	
		For Class 54 Rating, Add	*1,143.94*	
		For Class 55 Rating, Add	*2,542.61*	
40 05 19 00-2539	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,468.23	1,637.79
		For Class 52 Rating, Deduct	*-1,758.54*	
		For Class 54 Rating, Add	*1,199.00*	
		For Class 55 Rating, Add	*2,664.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2540	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,213.43	1,640.24
		For Class 52 Rating, Deduct	*-1,840.10*	
		For Class 54 Rating, Add	*1,254.62*	
		For Class 55 Rating, Add	*2,788.59*	
40 05 19 00-2541	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,951.28	1,642.69
		For Class 52 Rating, Deduct	*-1,920.86*	
		For Class 54 Rating, Add	*1,309.68*	
		For Class 55 Rating, Add	*2,910.97*	
40 05 19 00-2542	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,691.58	1,645.15
		For Class 52 Rating, Deduct	*-2,001.88*	
		For Class 54 Rating, Add	*1,364.92*	
		For Class 55 Rating, Add	*3,033.76*	
40 05 19 00-2543	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,435.56	1,647.59
		For Class 52 Rating, Deduct	*-2,083.31*	
		For Class 54 Rating, Add	*1,420.44*	
		For Class 55 Rating, Add	*3,157.16*	
40 05 19 00-2544	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,174.63	1,650.05
		For Class 52 Rating, Deduct	*-2,164.20*	
		For Class 54 Rating, Add	*1,475.59*	
		For Class 55 Rating, Add	*3,279.75*	
40 05 19 00-2545	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,922.29	1,652.50
		For Class 52 Rating, Deduct	*-2,246.04*	
		For Class 54 Rating, Add	*1,531.39*	
		For Class 55 Rating, Add	*3,403.76*	
40 05 19 00-2546	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,662.58	1,654.95
		For Class 52 Rating, Deduct	*-2,327.06*	
		For Class 54 Rating, Add	*1,586.63*	
		For Class 55 Rating, Add	*3,526.55*	
40 05 19 00-2547	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,409.02	1,657.41
		For Class 52 Rating, Deduct	*-2,408.76*	
		For Class 54 Rating, Add	*1,642.34*	
		For Class 55 Rating, Add	*3,650.36*	
40 05 19 00-2548	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,148.09	1,659.85
		For Class 52 Rating, Deduct	*-2,489.65*	
		For Class 54 Rating, Add	*1,697.49*	
		For Class 55 Rating, Add	*3,772.95*	
40 05 19 00-2549	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,896.97	1,662.31
		For Class 52 Rating, Deduct	*-2,571.62*	
		For Class 54 Rating, Add	*1,753.37*	
		For Class 55 Rating, Add	*3,897.17*	
40 05 19 00-2550	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,637.27	1,664.76
		For Class 52 Rating, Deduct	*-2,652.64*	
		For Class 54 Rating, Add	*1,808.62*	
		For Class 55 Rating, Add	*4,019.96*	
40 05 19 00-2551	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,383.69	1,667.21
		For Class 52 Rating, Deduct	*-2,734.34*	
		For Class 54 Rating, Add	*1,864.32*	
		For Class 55 Rating, Add	*4,143.77*	
40 05 19 00-2552	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,123.99	1,669.66
		For Class 52 Rating, Deduct	*-2,815.36*	
		For Class 54 Rating, Add	*1,919.57*	
		For Class 55 Rating, Add	*4,266.55*	
40 05 19 00-2553	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,872.87	1,672.11
		For Class 52 Rating, Deduct	*-2,897.33*	
		For Class 54 Rating, Add	*1,975.45*	
		For Class 55 Rating, Add	*4,390.77*	
40 05 19 00-2554	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,613.18	1,674.57
		For Class 52 Rating, Deduct	*-2,978.36*	
		For Class 54 Rating, Add	*2,030.70*	
		For Class 55 Rating, Add	*4,513.56*	
40 05 19 00-2555	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,359.60	1,677.02
		For Class 52 Rating, Deduct	*-3,060.05*	
		For Class 54 Rating, Add	*2,086.40*	
		For Class 55 Rating, Add	*4,637.37*	
40 05 19 00-2556	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,101.14	1,679.47
		For Class 52 Rating, Deduct	*-3,141.21*	
		For Class 54 Rating, Add	*2,141.74*	
		For Class 55 Rating, Add	*4,760.37*	
40 05 19 00-2557	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,701.72	1,681.92
		For Class 52 Rating, Deduct	*-3,206.87*	
		For Class 54 Rating, Add	*2,186.50*	
		For Class 55 Rating, Add	*4,859.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2558	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,590.31	1,684.38
		For Class 52 Rating, Deduct	*-3,304.21*	
		For Class 54 Rating, Add	*2,252.87*	
		For Class 55 Rating, Add	*5,007.37*	
40 05 19 00-2559	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,330.62	1,686.82
		For Class 52 Rating, Deduct	*-3,385.23*	
		For Class 54 Rating, Add	*2,308.11*	
		For Class 55 Rating, Add	*5,130.16*	
40 05 19 00-2560	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,078.27	1,689.28
		For Class 52 Rating, Deduct	*-3,467.06*	
		For Class 54 Rating, Add	*2,363.91*	
		For Class 55 Rating, Add	*5,254.18*	
40 05 19 00-2561	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,819.80	1,691.72
		For Class 52 Rating, Deduct	*-3,548.22*	
		For Class 54 Rating, Add	*2,419.24*	
		For Class 55 Rating, Add	*5,377.17*	
40 05 19 00-2562	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,568.67	1,694.18
		For Class 52 Rating, Deduct	*-3,630.19*	
		For Class 54 Rating, Add	*2,475.13*	
		For Class 55 Rating, Add	*5,501.39*	
40 05 19 00-2563	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,307.75	1,696.64
		For Class 52 Rating, Deduct	*-3,711.08*	
		For Class 54 Rating, Add	*2,530.28*	
		For Class 55 Rating, Add	*5,623.97*	

40 05 19 00-2564 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2565	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,897.88	2,027.62
		For Class 52 Rating, Deduct	*-1,190.83*	
		For Class 54 Rating, Add	*811.93*	
		For Class 55 Rating, Add	*1,804.65*	
40 05 19 00-2566	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,953.16	2,030.08
		For Class 52 Rating, Deduct	*-1,306.50*	
		For Class 54 Rating, Add	*890.80*	
		For Class 55 Rating, Add	*1,979.94*	
40 05 19 00-2567	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,010.89	2,032.52
		For Class 52 Rating, Deduct	*-1,422.44*	
		For Class 54 Rating, Add	*969.85*	
		For Class 55 Rating, Add	*2,155.65*	
40 05 19 00-2568	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,080.88	2,034.98
		For Class 52 Rating, Deduct	*-1,539.73*	
		For Class 54 Rating, Add	*1,049.82*	
		For Class 55 Rating, Add	*2,333.40*	
40 05 19 00-2569	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,147.18	2,037.43
		For Class 52 Rating, Deduct	*-1,656.62*	
		For Class 54 Rating, Add	*1,129.51*	
		For Class 55 Rating, Add	*2,510.53*	
40 05 19 00-2570	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,215.95	2,039.88
		For Class 52 Rating, Deduct	*-1,773.77*	
		For Class 54 Rating, Add	*1,209.39*	
		For Class 55 Rating, Add	*2,688.07*	
40 05 19 00-2571	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,292.06	2,042.34
		For Class 52 Rating, Deduct	*-1,891.74*	
		For Class 54 Rating, Add	*1,289.82*	
		For Class 55 Rating, Add	*2,866.84*	
40 05 19 00-2572	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,365.73	2,044.78
		For Class 52 Rating, Deduct	*-2,009.43*	
		For Class 54 Rating, Add	*1,370.07*	
		For Class 55 Rating, Add	*3,045.20*	
40 05 19 00-2573	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,438.16	2,047.24
		For Class 52 Rating, Deduct	*-2,126.99*	
		For Class 54 Rating, Add	*1,450.22*	
		For Class 55 Rating, Add	*3,223.36*	
40 05 19 00-2574	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,521.62	2,049.69
		For Class 52 Rating, Deduct	*-2,245.76*	
		For Class 54 Rating, Add	*1,531.20*	
		For Class 55 Rating, Add	*3,403.35*	
40 05 19 00-2575	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,597.74	2,052.14
		For Class 52 Rating, Deduct	*-2,363.73*	
		For Class 54 Rating, Add	*1,611.63*	
		For Class 55 Rating, Add	*3,582.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2576	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,682.43	2,054.59
		For Class 52 Rating, Deduct	*-2,482.64*	
		For Class 54 Rating, Add	*1,692.71*	
		For Class 55 Rating, Add	*3,762.32*	
40 05 19 00-2577	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,761.01	2,057.04
		For Class 52 Rating, Deduct	*-2,600.87*	
		For Class 54 Rating, Add	*1,773.32*	
		For Class 55 Rating, Add	*3,941.50*	
40 05 19 00-2578	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,840.80	2,059.50
		For Class 52 Rating, Deduct	*-2,719.24*	
		For Class 54 Rating, Add	*1,854.03*	
		For Class 55 Rating, Add	*4,120.88*	
40 05 19 00-2579	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,927.95	2,061.95
		For Class 52 Rating, Deduct	*-2,838.42*	
		For Class 54 Rating, Add	*1,935.28*	
		For Class 55 Rating, Add	*4,301.49*	
40 05 19 00-2580	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,010.19	2,064.40
		For Class 52 Rating, Deduct	*-2,957.05*	
		For Class 54 Rating, Add	*2,016.17*	
		For Class 55 Rating, Add	*4,481.28*	
40 05 19 00-2581	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,091.20	2,066.85
		For Class 52 Rating, Deduct	*-3,075.56*	
		For Class 54 Rating, Add	*2,096.97*	
		For Class 55 Rating, Add	*4,660.87*	
40 05 19 00-2582	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,180.80	2,069.30
		For Class 52 Rating, Deduct	*-3,195.00*	
		For Class 54 Rating, Add	*2,178.41*	
		For Class 55 Rating, Add	*4,841.88*	
40 05 19 00-2583	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,264.27	2,071.75
		For Class 52 Rating, Deduct	*-3,313.78*	
		For Class 54 Rating, Add	*2,259.39*	
		For Class 55 Rating, Add	*5,021.88*	
40 05 19 00-2584	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,346.52	2,074.21
		For Class 52 Rating, Deduct	*-3,432.42*	
		For Class 54 Rating, Add	*2,340.28*	
		For Class 55 Rating, Add	*5,201.67*	
40 05 19 00-2585	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,437.33	2,076.65
		For Class 52 Rating, Deduct	*-3,552.00*	
		For Class 54 Rating, Add	*2,421.82*	
		For Class 55 Rating, Add	*5,382.89*	
40 05 19 00-2586	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,523.26	2,079.11
		For Class 52 Rating, Deduct	*-3,671.04*	
		For Class 54 Rating, Add	*2,502.98*	
		For Class 55 Rating, Add	*5,563.29*	
40 05 19 00-2587	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,606.72	2,081.57
		For Class 52 Rating, Deduct	*-3,789.81*	
		For Class 54 Rating, Add	*2,583.96*	
		For Class 55 Rating, Add	*5,743.29*	
40 05 19 00-2588	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,698.77	2,084.01
		For Class 52 Rating, Deduct	*-3,909.53*	
		For Class 54 Rating, Add	*2,665.59*	
		For Class 55 Rating, Add	*5,924.71*	
40 05 19 00-2589	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,784.69	2,086.47
		For Class 52 Rating, Deduct	*-4,028.57*	
		For Class 54 Rating, Add	*2,746.75*	
		For Class 55 Rating, Add	*6,105.12*	
40 05 19 00-2590	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,869.38	2,088.91
		For Class 52 Rating, Deduct	*-4,147.48*	
		For Class 54 Rating, Add	*2,827.83*	
		For Class 55 Rating, Add	*6,285.32*	
40 05 19 00-2591	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,962.66	2,091.37
		For Class 52 Rating, Deduct	*-4,267.33*	
		For Class 54 Rating, Add	*2,909.54*	
		For Class 55 Rating, Add	*6,466.95*	
40 05 19 00-2592	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,049.80	2,093.82
		For Class 52 Rating, Deduct	*-4,386.51*	
		For Class 54 Rating, Add	*2,990.80*	
		For Class 55 Rating, Add	*6,647.55*	
40 05 19 00-2593	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,009.49	2,096.27
		For Class 52 Rating, Deduct	*-4,491.67*	
		For Class 54 Rating, Add	*3,062.50*	
		For Class 55 Rating, Add	*6,806.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2594	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,230.22	2,098.72
		For Class 52 Rating, Deduct	*-4,625.54*	
		For Class 54 Rating, Add	*3,153.78*	
		For Class 55 Rating, Add	*7,009.79*	
40 05 19 00-2595	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,316.14	2,101.18
		For Class 52 Rating, Deduct	*-4,744.58*	
		For Class 54 Rating, Add	*3,234.94*	
		For Class 55 Rating, Add	*7,190.19*	
40 05 19 00-2596	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,411.86	2,103.63
		For Class 52 Rating, Deduct	*-4,864.70*	
		For Class 54 Rating, Add	*3,316.84*	
		For Class 55 Rating, Add	*7,372.23*	
40 05 19 00-2597	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,497.79	2,106.08
		For Class 52 Rating, Deduct	*-4,983.74*	
		For Class 54 Rating, Add	*3,398.01*	
		For Class 55 Rating, Add	*7,552.64*	
40 05 19 00-2598	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,583.71	2,108.53
		For Class 52 Rating, Deduct	*-5,102.79*	
		For Class 54 Rating, Add	*3,479.17*	
		For Class 55 Rating, Add	*7,733.04*	
40 05 19 00-2599	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,680.66	2,110.98
		For Class 52 Rating, Deduct	*-5,223.04*	
		For Class 54 Rating, Add	*3,561.17*	
		For Class 55 Rating, Add	*7,915.28*	

40 05 19 00-2600 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2059)*

40 05 19 00-2601 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2602	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	389.37	112.19
		For Class 52 Rating, Deduct	*-24.13*	
		For Class 54 Rating, Add	*16.45*	
		For Class 55 Rating, Add	*36.57*	
40 05 19 00-2603	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	438.92	114.16
		For Class 52 Rating, Deduct	*-29.26*	
		For Class 54 Rating, Add	*19.95*	
		For Class 55 Rating, Add	*44.34*	
40 05 19 00-2604	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	488.46	116.11
		For Class 52 Rating, Deduct	*-34.38*	
		For Class 54 Rating, Add	*23.44*	
		For Class 55 Rating, Add	*52.10*	
40 05 19 00-2605	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	538.01	118.08
		For Class 52 Rating, Deduct	*-39.50*	
		For Class 54 Rating, Add	*26.93*	
		For Class 55 Rating, Add	*59.86*	
40 05 19 00-2606	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	587.55	120.04
		For Class 52 Rating, Deduct	*-44.62*	
		For Class 54 Rating, Add	*30.43*	
		For Class 55 Rating, Add	*67.63*	
40 05 19 00-2607	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	637.10	122.00
		For Class 52 Rating, Deduct	*-49.75*	
		For Class 54 Rating, Add	*33.92*	
		For Class 55 Rating, Add	*75.39*	
40 05 19 00-2608	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	686.64	123.96
		For Class 52 Rating, Deduct	*-54.87*	
		For Class 54 Rating, Add	*37.41*	
		For Class 55 Rating, Add	*83.15*	
40 05 19 00-2609	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	736.19	125.93
		For Class 52 Rating, Deduct	*-59.99*	
		For Class 54 Rating, Add	*40.90*	
		For Class 55 Rating, Add	*90.92*	
40 05 19 00-2610	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	785.72	127.88
		For Class 52 Rating, Deduct	*-65.12*	
		For Class 54 Rating, Add	*44.40*	
		For Class 55 Rating, Add	*98.68*	
40 05 19 00-2611	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	835.28	129.85
		For Class 52 Rating, Deduct	*-70.24*	
		For Class 54 Rating, Add	*47.89*	
		For Class 55 Rating, Add	*106.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2612	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	884.82	131.80
		For Class 52 Rating, Deduct	*-75.36*	
		For Class 54 Rating, Add	*51.38*	
		For Class 55 Rating, Add	*114.21*	
40 05 19 00-2613	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	934.36	133.77
		For Class 52 Rating, Deduct	*-80.48*	
		For Class 54 Rating, Add	*54.88*	
		For Class 55 Rating, Add	*121.97*	
40 05 19 00-2614	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	983.91	135.73
		For Class 52 Rating, Deduct	*-85.61*	
		For Class 54 Rating, Add	*58.37*	
		For Class 55 Rating, Add	*129.74*	
40 05 19 00-2615	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,033.45	137.69
		For Class 52 Rating, Deduct	*-90.73*	
		For Class 54 Rating, Add	*61.86*	
		For Class 55 Rating, Add	*137.50*	
40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,083.00	139.65
		For Class 52 Rating, Deduct	*-95.85*	
		For Class 54 Rating, Add	*65.36*	
		For Class 55 Rating, Add	*145.26*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,132.54	141.62
		For Class 52 Rating, Deduct	*-100.98*	
		For Class 54 Rating, Add	*68.85*	
		For Class 55 Rating, Add	*153.03*	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,182.09	143.57
		For Class 52 Rating, Deduct	*-106.10*	
		For Class 54 Rating, Add	*72.34*	
		For Class 55 Rating, Add	*160.79*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,231.63	145.54
		For Class 52 Rating, Deduct	*-111.22*	
		For Class 54 Rating, Add	*75.83*	
		For Class 55 Rating, Add	*168.55*	
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,281.18	147.50
		For Class 52 Rating, Deduct	*-116.35*	
		For Class 54 Rating, Add	*79.33*	
		For Class 55 Rating, Add	*176.32*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,330.72	149.46
		For Class 52 Rating, Deduct	*-121.47*	
		For Class 54 Rating, Add	*82.82*	
		For Class 55 Rating, Add	*184.08*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,380.27	151.42
		For Class 52 Rating, Deduct	*-126.59*	
		For Class 54 Rating, Add	*86.31*	
		For Class 55 Rating, Add	*191.85*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,429.81	153.39
		For Class 52 Rating, Deduct	*-131.72*	
		For Class 54 Rating, Add	*89.81*	
		For Class 55 Rating, Add	*199.61*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,479.35	155.34
		For Class 52 Rating, Deduct	*-136.84*	
		For Class 54 Rating, Add	*93.30*	
		For Class 55 Rating, Add	*207.37*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,528.90	157.31
		For Class 52 Rating, Deduct	*-141.96*	
		For Class 54 Rating, Add	*96.79*	
		For Class 55 Rating, Add	*215.14*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,578.44	159.26
		For Class 52 Rating, Deduct	*-147.08*	
		For Class 54 Rating, Add	*100.28*	
		For Class 55 Rating, Add	*222.90*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,627.99	161.23
		For Class 52 Rating, Deduct	*-152.21*	
		For Class 54 Rating, Add	*103.78*	
		For Class 55 Rating, Add	*230.66*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,677.54	163.19
		For Class 52 Rating, Deduct	*-157.33*	
		For Class 54 Rating, Add	*107.27*	
		For Class 55 Rating, Add	*238.43*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,727.08	165.15
		For Class 52 Rating, Deduct	*-162.45*	
		For Class 54 Rating, Add	*110.76*	
		For Class 55 Rating, Add	*246.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,776.62	167.11
		For Class 52 Rating, Deduct	*-167.58*	
		For Class 54 Rating, Add	*114.26*	
		For Class 55 Rating, Add	*253.95*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,826.17	169.08
		For Class 52 Rating, Deduct	*-172.70*	
		For Class 54 Rating, Add	*117.75*	
		For Class 55 Rating, Add	*261.72*	
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,875.71	171.03
		For Class 52 Rating, Deduct	*-177.82*	
		For Class 54 Rating, Add	*121.24*	
		For Class 55 Rating, Add	*269.48*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,925.26	173.00
		For Class 52 Rating, Deduct	*-182.95*	
		For Class 54 Rating, Add	*124.74*	
		For Class 55 Rating, Add	*277.25*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,974.80	174.96
		For Class 52 Rating, Deduct	*-188.07*	
		For Class 54 Rating, Add	*128.23*	
		For Class 55 Rating, Add	*285.01*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,024.34	176.92
		For Class 52 Rating, Deduct	*-193.19*	
		For Class 54 Rating, Add	*131.72*	
		For Class 55 Rating, Add	*292.77*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,073.89	178.88
		For Class 52 Rating, Deduct	*-198.31*	
		For Class 54 Rating, Add	*135.21*	
		For Class 55 Rating, Add	*300.54*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,123.44	180.85
		For Class 52 Rating, Deduct	*-203.44*	
		For Class 54 Rating, Add	*138.71*	
		For Class 55 Rating, Add	*308.30*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,172.98	182.80
		For Class 52 Rating, Deduct	*-208.56*	
		For Class 54 Rating, Add	*142.20*	
		For Class 55 Rating, Add	*316.06*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,210.27	184.77
		For Class 52 Rating, Deduct	*-212.34*	
		For Class 54 Rating, Add	*144.77*	
		For Class 55 Rating, Add	*321.78*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,272.07	186.72
		For Class 52 Rating, Deduct	*-218.81*	
		For Class 54 Rating, Add	*149.19*	
		For Class 55 Rating, Add	*331.59*	

40 05 19 00-2641 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2642	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	501.99	141.22
		For Class 52 Rating, Deduct	*-31.68*	
		For Class 54 Rating, Add	*21.60*	
		For Class 55 Rating, Add	*48.01*	
40 05 19 00-2643	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	558.89	143.18
		For Class 52 Rating, Deduct	*-37.61*	
		For Class 54 Rating, Add	*25.65*	
		For Class 55 Rating, Add	*57.00*	
40 05 19 00-2644	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	615.78	145.15
		For Class 52 Rating, Deduct	*-43.55*	
		For Class 54 Rating, Add	*29.69*	
		For Class 55 Rating, Add	*65.99*	
40 05 19 00-2645	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	672.69	147.10
		For Class 52 Rating, Deduct	*-49.48*	
		For Class 54 Rating, Add	*33.74*	
		For Class 55 Rating, Add	*74.98*	
40 05 19 00-2646	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	729.58	149.07
		For Class 52 Rating, Deduct	*-55.41*	
		For Class 54 Rating, Add	*37.78*	
		For Class 55 Rating, Add	*83.97*	
40 05 19 00-2647	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	786.48	151.03
		For Class 52 Rating, Deduct	*-61.34*	
		For Class 54 Rating, Add	*41.82*	
		For Class 55 Rating, Add	*92.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	843.37	152.99
		For Class 52 Rating, Deduct	*-67.27*	
		For Class 54 Rating, Add	*45.87*	
		For Class 55 Rating, Add	*101.95*	
40 05 19 00-2649	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	900.28	154.95
		For Class 52 Rating, Deduct	*-73.21*	
		For Class 54 Rating, Add	*49.91*	
		For Class 55 Rating, Add	*110.94*	
40 05 19 00-2650	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	957.18	156.91
		For Class 52 Rating, Deduct	*-79.14*	
		For Class 54 Rating, Add	*53.96*	
		For Class 55 Rating, Add	*119.93*	
40 05 19 00-2651	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,014.07	158.87
		For Class 52 Rating, Deduct	*-85.07*	
		For Class 54 Rating, Add	*58.00*	
		For Class 55 Rating, Add	*128.92*	
40 05 19 00-2652	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,070.98	160.84
		For Class 52 Rating, Deduct	*-91.00*	
		For Class 54 Rating, Add	*62.05*	
		For Class 55 Rating, Add	*137.91*	
40 05 19 00-2653	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,127.87	162.79
		For Class 52 Rating, Deduct	*-96.93*	
		For Class 54 Rating, Add	*66.09*	
		For Class 55 Rating, Add	*146.90*	
40 05 19 00-2654	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,184.77	164.76
		For Class 52 Rating, Deduct	*-102.86*	
		For Class 54 Rating, Add	*70.13*	
		For Class 55 Rating, Add	*155.89*	
40 05 19 00-2655	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,241.67	166.72
		For Class 52 Rating, Deduct	*-108.80*	
		For Class 54 Rating, Add	*74.18*	
		For Class 55 Rating, Add	*164.88*	
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,298.57	168.68
		For Class 52 Rating, Deduct	*-114.73*	
		For Class 54 Rating, Add	*78.22*	
		For Class 55 Rating, Add	*173.87*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,355.46	170.64
		For Class 52 Rating, Deduct	*-120.66*	
		For Class 54 Rating, Add	*82.27*	
		For Class 55 Rating, Add	*182.85*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,412.36	172.61
		For Class 52 Rating, Deduct	*-126.59*	
		For Class 54 Rating, Add	*86.31*	
		For Class 55 Rating, Add	*191.85*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,469.25	174.56
		For Class 52 Rating, Deduct	*-132.52*	
		For Class 54 Rating, Add	*90.36*	
		For Class 55 Rating, Add	*200.83*	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,526.16	176.53
		For Class 52 Rating, Deduct	*-138.46*	
		For Class 54 Rating, Add	*94.40*	
		For Class 55 Rating, Add	*209.82*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,583.05	178.49
		For Class 52 Rating, Deduct	*-144.39*	
		For Class 54 Rating, Add	*98.45*	
		For Class 55 Rating, Add	*218.81*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,639.95	180.45
		For Class 52 Rating, Deduct	*-150.32*	
		For Class 54 Rating, Add	*102.49*	
		For Class 55 Rating, Add	*227.80*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,696.86	182.41
		For Class 52 Rating, Deduct	*-156.25*	
		For Class 54 Rating, Add	*106.54*	
		For Class 55 Rating, Add	*236.79*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,753.75	184.37
		For Class 52 Rating, Deduct	*-162.18*	
		For Class 54 Rating, Add	*110.58*	
		For Class 55 Rating, Add	*245.78*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,810.65	186.33
		For Class 52 Rating, Deduct	*-168.12*	
		For Class 54 Rating, Add	*114.62*	
		For Class 55 Rating, Add	*254.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,867.55	188.30
		For Class 52 Rating, Deduct	*-174.05*	
		For Class 54 Rating, Add	*118.67*	
		For Class 55 Rating, Add	*263.76*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,924.45	190.25
		For Class 52 Rating, Deduct	*-179.98*	
		For Class 54 Rating, Add	*122.71*	
		For Class 55 Rating, Add	*272.75*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,981.34	192.22
		For Class 52 Rating, Deduct	*-185.91*	
		For Class 54 Rating, Add	*126.76*	
		For Class 55 Rating, Add	*281.74*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,038.25	194.18
		For Class 52 Rating, Deduct	*-191.84*	
		For Class 54 Rating, Add	*130.80*	
		For Class 55 Rating, Add	*290.73*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,095.14	196.14
		For Class 52 Rating, Deduct	*-197.78*	
		For Class 54 Rating, Add	*134.85*	
		For Class 55 Rating, Add	*299.72*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,152.04	198.10
		For Class 52 Rating, Deduct	*-203.71*	
		For Class 54 Rating, Add	*138.89*	
		For Class 55 Rating, Add	*308.71*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,208.93	200.07
		For Class 52 Rating, Deduct	*-209.64*	
		For Class 54 Rating, Add	*142.94*	
		For Class 55 Rating, Add	*317.70*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,265.83	202.02
		For Class 52 Rating, Deduct	*-215.57*	
		For Class 54 Rating, Add	*146.98*	
		For Class 55 Rating, Add	*326.69*	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,322.74	203.99
		For Class 52 Rating, Deduct	*-221.50*	
		For Class 54 Rating, Add	*151.02*	
		For Class 55 Rating, Add	*335.68*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,379.63	205.95
		For Class 52 Rating, Deduct	*-227.43*	
		For Class 54 Rating, Add	*155.07*	
		For Class 55 Rating, Add	*344.67*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,436.53	207.91
		For Class 52 Rating, Deduct	*-233.37*	
		For Class 54 Rating, Add	*159.11*	
		For Class 55 Rating, Add	*353.66*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,493.43	209.87
		For Class 52 Rating, Deduct	*-239.30*	
		For Class 54 Rating, Add	*163.16*	
		For Class 55 Rating, Add	*362.65*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,550.33	211.83
		For Class 52 Rating, Deduct	*-245.23*	
		For Class 54 Rating, Add	*167.20*	
		For Class 55 Rating, Add	*371.64*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,607.22	213.79
		For Class 52 Rating, Deduct	*-251.16*	
		For Class 54 Rating, Add	*171.25*	
		For Class 55 Rating, Add	*380.62*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,664.13	215.76
		For Class 52 Rating, Deduct	*-257.09*	
		For Class 54 Rating, Add	*175.29*	
		For Class 55 Rating, Add	*389.61*	
40 05 19 00-2681		8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*		
40 05 19 00-2682	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	682.76	180.45
		For Class 52 Rating, Deduct	*-45.03*	
		For Class 54 Rating, Add	*30.70*	
		For Class 55 Rating, Add	*68.24*	
40 05 19 00-2683	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	755.60	182.41
		For Class 52 Rating, Deduct	*-52.71*	
		For Class 54 Rating, Add	*35.94*	
		For Class 55 Rating, Add	*79.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2684	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	828.42	184.37
		For Class 52 Rating, Deduct	*-60.40*	
		For Class 54 Rating, Add	*41.18*	
		For Class 55 Rating, Add	*91.53*	
40 05 19 00-2685	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	901.26	186.33
		For Class 52 Rating, Deduct	*-68.08*	
		For Class 54 Rating, Add	*46.42*	
		For Class 55 Rating, Add	*103.18*	
40 05 19 00-2686	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	974.09	188.30
		For Class 52 Rating, Deduct	*-75.77*	
		For Class 54 Rating, Add	*51.66*	
		For Class 55 Rating, Add	*114.82*	
40 05 19 00-2687	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,046.92	190.25
		For Class 52 Rating, Deduct	*-83.45*	
		For Class 54 Rating, Add	*56.90*	
		For Class 55 Rating, Add	*126.47*	
40 05 19 00-2688	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,119.75	192.22
		For Class 52 Rating, Deduct	*-91.14*	
		For Class 54 Rating, Add	*62.14*	
		For Class 55 Rating, Add	*138.11*	
40 05 19 00-2689	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,192.58	194.18
		For Class 52 Rating, Deduct	*-98.82*	
		For Class 54 Rating, Add	*67.38*	
		For Class 55 Rating, Add	*149.76*	
40 05 19 00-2690	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,265.40	196.14
		For Class 52 Rating, Deduct	*-106.50*	
		For Class 54 Rating, Add	*72.62*	
		For Class 55 Rating, Add	*161.40*	
40 05 19 00-2691	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,338.24	198.10
		For Class 52 Rating, Deduct	*-114.19*	
		For Class 54 Rating, Add	*77.86*	
		For Class 55 Rating, Add	*173.05*	
40 05 19 00-2692	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,411.06	200.07
		For Class 52 Rating, Deduct	*-121.87*	
		For Class 54 Rating, Add	*83.10*	
		For Class 55 Rating, Add	*184.69*	
40 05 19 00-2693	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,483.90	202.02
		For Class 52 Rating, Deduct	*-129.56*	
		For Class 54 Rating, Add	*88.34*	
		For Class 55 Rating, Add	*196.34*	
40 05 19 00-2694	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,556.74	203.99
		For Class 52 Rating, Deduct	*-137.24*	
		For Class 54 Rating, Add	*93.57*	
		For Class 55 Rating, Add	*207.98*	
40 05 19 00-2695	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,629.56	205.95
		For Class 52 Rating, Deduct	*-144.93*	
		For Class 54 Rating, Add	*98.81*	
		For Class 55 Rating, Add	*219.63*	
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,702.40	207.91
		For Class 52 Rating, Deduct	*-152.61*	
		For Class 54 Rating, Add	*104.05*	
		For Class 55 Rating, Add	*231.28*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,775.23	209.87
		For Class 52 Rating, Deduct	*-160.30*	
		For Class 54 Rating, Add	*109.29*	
		For Class 55 Rating, Add	*242.92*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,848.06	211.83
		For Class 52 Rating, Deduct	*-167.98*	
		For Class 54 Rating, Add	*114.53*	
		For Class 55 Rating, Add	*254.57*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,920.89	213.79
		For Class 52 Rating, Deduct	*-175.67*	
		For Class 54 Rating, Add	*119.77*	
		For Class 55 Rating, Add	*266.21*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,993.73	215.76
		For Class 52 Rating, Deduct	*-183.35*	
		For Class 54 Rating, Add	*125.01*	
		For Class 55 Rating, Add	*277.86*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,066.55	217.71
		For Class 52 Rating, Deduct	*-191.03*	
		For Class 54 Rating, Add	*130.25*	
		For Class 55 Rating, Add	*289.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,139.38	219.68
		For Class 52 Rating, Deduct	*-198.72*	
		For Class 54 Rating, Add	*135.49*	
		For Class 55 Rating, Add	*301.15*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,212.20	221.64
		For Class 52 Rating, Deduct	*-206.40*	
		For Class 54 Rating, Add	*140.73*	
		For Class 55 Rating, Add	*312.79*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,285.04	223.60
		For Class 52 Rating, Deduct	*-214.09*	
		For Class 54 Rating, Add	*145.97*	
		For Class 55 Rating, Add	*324.44*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,357.88	225.56
		For Class 52 Rating, Deduct	*-221.77*	
		For Class 54 Rating, Add	*151.21*	
		For Class 55 Rating, Add	*336.09*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,430.70	227.53
		For Class 52 Rating, Deduct	*-229.46*	
		For Class 54 Rating, Add	*156.45*	
		For Class 55 Rating, Add	*347.73*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,503.54	229.48
		For Class 52 Rating, Deduct	*-237.14*	
		For Class 54 Rating, Add	*161.69*	
		For Class 55 Rating, Add	*359.38*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,576.37	231.45
		For Class 52 Rating, Deduct	*-244.83*	
		For Class 54 Rating, Add	*166.93*	
		For Class 55 Rating, Add	*371.02*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,649.20	233.41
		For Class 52 Rating, Deduct	*-252.51*	
		For Class 54 Rating, Add	*172.17*	
		For Class 55 Rating, Add	*382.67*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,722.03	235.37
		For Class 52 Rating, Deduct	*-260.20*	
		For Class 54 Rating, Add	*177.41*	
		For Class 55 Rating, Add	*394.31*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,794.87	237.33
		For Class 52 Rating, Deduct	*-267.88*	
		For Class 54 Rating, Add	*182.65*	
		For Class 55 Rating, Add	*405.96*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,867.69	239.29
		For Class 52 Rating, Deduct	*-275.56*	
		For Class 54 Rating, Add	*187.88*	
		For Class 55 Rating, Add	*417.61*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,940.53	241.25
		For Class 52 Rating, Deduct	*-283.25*	
		For Class 54 Rating, Add	*193.12*	
		For Class 55 Rating, Add	*429.25*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,013.35	243.22
		For Class 52 Rating, Deduct	*-290.93*	
		For Class 54 Rating, Add	*198.36*	
		For Class 55 Rating, Add	*440.89*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,086.18	245.17
		For Class 52 Rating, Deduct	*-298.62*	
		For Class 54 Rating, Add	*203.60*	
		For Class 55 Rating, Add	*452.54*	
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,159.02	247.14
		For Class 52 Rating, Deduct	*-306.30*	
		For Class 54 Rating, Add	*208.84*	
		For Class 55 Rating, Add	*464.19*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,231.84	249.10
		For Class 52 Rating, Deduct	*-313.99*	
		For Class 54 Rating, Add	*214.08*	
		For Class 55 Rating, Add	*475.83*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,304.68	251.06
		For Class 52 Rating, Deduct	*-321.67*	
		For Class 54 Rating, Add	*219.32*	
		For Class 55 Rating, Add	*487.48*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,377.51	253.02
		For Class 52 Rating, Deduct	*-329.36*	
		For Class 54 Rating, Add	*224.56*	
		For Class 55 Rating, Add	*499.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,450.34	254.99
		For Class 52 Rating, Deduct	*-337.04*	
		For Class 54 Rating, Add	*229.80*	
		For Class 55 Rating, Add	*510.77*	

40 05 19 00-2721 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2722	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	854.96	219.68
		For Class 52 Rating, Deduct	*-57.43*	
		For Class 54 Rating, Add	*39.16*	
		For Class 55 Rating, Add	*87.04*	
40 05 19 00-2723	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	948.61	221.64
		For Class 52 Rating, Deduct	*-67.41*	
		For Class 54 Rating, Add	*45.96*	
		For Class 55 Rating, Add	*102.15*	
40 05 19 00-2724	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,042.28	223.60
		For Class 52 Rating, Deduct	*-77.38*	
		For Class 54 Rating, Add	*52.76*	
		For Class 55 Rating, Add	*117.27*	
40 05 19 00-2725	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,135.96	225.56
		For Class 52 Rating, Deduct	*-87.36*	
		For Class 54 Rating, Add	*59.56*	
		For Class 55 Rating, Add	*132.39*	
40 05 19 00-2726	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,229.61	227.53
		For Class 52 Rating, Deduct	*-97.34*	
		For Class 54 Rating, Add	*66.37*	
		For Class 55 Rating, Add	*147.51*	
40 05 19 00-2727	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,323.29	229.48
		For Class 52 Rating, Deduct	*-107.31*	
		For Class 54 Rating, Add	*73.17*	
		For Class 55 Rating, Add	*162.63*	
40 05 19 00-2728	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,416.95	231.45
		For Class 52 Rating, Deduct	*-117.29*	
		For Class 54 Rating, Add	*79.97*	
		For Class 55 Rating, Add	*177.75*	
40 05 19 00-2729	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,510.62	233.41
		For Class 52 Rating, Deduct	*-127.27*	
		For Class 54 Rating, Add	*86.77*	
		For Class 55 Rating, Add	*192.87*	
40 05 19 00-2730	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,604.28	235.37
		For Class 52 Rating, Deduct	*-137.24*	
		For Class 54 Rating, Add	*93.57*	
		For Class 55 Rating, Add	*207.98*	
40 05 19 00-2731	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,697.96	237.33
		For Class 52 Rating, Deduct	*-147.22*	
		For Class 54 Rating, Add	*100.38*	
		For Class 55 Rating, Add	*223.10*	
40 05 19 00-2732	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,791.61	239.29
		For Class 52 Rating, Deduct	*-157.20*	
		For Class 54 Rating, Add	*107.18*	
		For Class 55 Rating, Add	*238.22*	
40 05 19 00-2733	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,885.28	241.25
		For Class 52 Rating, Deduct	*-167.17*	
		For Class 54 Rating, Add	*113.98*	
		For Class 55 Rating, Add	*253.34*	
40 05 19 00-2734	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,978.95	243.22
		For Class 52 Rating, Deduct	*-177.15*	
		For Class 54 Rating, Add	*120.78*	
		For Class 55 Rating, Add	*268.46*	
40 05 19 00-2735	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,072.61	245.17
		For Class 52 Rating, Deduct	*-187.12*	
		For Class 54 Rating, Add	*127.58*	
		For Class 55 Rating, Add	*283.58*	
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,166.29	247.14
		For Class 52 Rating, Deduct	*-197.10*	
		For Class 54 Rating, Add	*134.39*	
		For Class 55 Rating, Add	*298.70*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,259.94	249.10
		For Class 52 Rating, Deduct	*-207.08*	
		For Class 54 Rating, Add	*141.19*	
		For Class 55 Rating, Add	*313.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,353.62	251.06
		For Class 52 Rating, Deduct	*-217.05*	
		For Class 54 Rating, Add	*147.99*	
		For Class 55 Rating, Add	*328.94*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,447.28	253.02
		For Class 52 Rating, Deduct	*-227.03*	
		For Class 54 Rating, Add	*154.79*	
		For Class 55 Rating, Add	*344.05*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,540.94	254.99
		For Class 52 Rating, Deduct	*-237.01*	
		For Class 54 Rating, Add	*161.60*	
		For Class 55 Rating, Add	*359.17*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,634.61	256.94
		For Class 52 Rating, Deduct	*-246.98*	
		For Class 54 Rating, Add	*168.40*	
		For Class 55 Rating, Add	*374.29*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,728.28	258.91
		For Class 52 Rating, Deduct	*-256.96*	
		For Class 54 Rating, Add	*175.20*	
		For Class 55 Rating, Add	*389.41*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,821.94	260.87
		For Class 52 Rating, Deduct	*-266.94*	
		For Class 54 Rating, Add	*182.00*	
		For Class 55 Rating, Add	*404.53*	
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,915.61	262.83
		For Class 52 Rating, Deduct	*-276.91*	
		For Class 54 Rating, Add	*188.80*	
		For Class 55 Rating, Add	*419.65*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,009.28	264.79
		For Class 52 Rating, Deduct	*-286.89*	
		For Class 54 Rating, Add	*195.61*	
		For Class 55 Rating, Add	*434.77*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,102.94	266.76
		For Class 52 Rating, Deduct	*-296.86*	
		For Class 54 Rating, Add	*202.41*	
		For Class 55 Rating, Add	*449.88*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,196.62	268.71
		For Class 52 Rating, Deduct	*-306.84*	
		For Class 54 Rating, Add	*209.21*	
		For Class 55 Rating, Add	*465.00*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,290.28	270.68
		For Class 52 Rating, Deduct	*-316.82*	
		For Class 54 Rating, Add	*216.01*	
		For Class 55 Rating, Add	*480.12*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,383.94	272.63
		For Class 52 Rating, Deduct	*-326.79*	
		For Class 54 Rating, Add	*222.81*	
		For Class 55 Rating, Add	*495.24*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,477.61	274.60
		For Class 52 Rating, Deduct	*-336.77*	
		For Class 54 Rating, Add	*229.62*	
		For Class 55 Rating, Add	*510.36*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,571.27	276.56
		For Class 52 Rating, Deduct	*-346.75*	
		For Class 54 Rating, Add	*236.42*	
		For Class 55 Rating, Add	*525.48*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,664.94	278.52
		For Class 52 Rating, Deduct	*-356.72*	
		For Class 54 Rating, Add	*243.22*	
		For Class 55 Rating, Add	*540.60*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,758.61	280.48
		For Class 52 Rating, Deduct	*-366.70*	
		For Class 54 Rating, Add	*250.02*	
		For Class 55 Rating, Add	*555.72*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,852.27	282.45
		For Class 52 Rating, Deduct	*-376.68*	
		For Class 54 Rating, Add	*256.82*	
		For Class 55 Rating, Add	*570.84*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,945.94	284.40
		For Class 52 Rating, Deduct	*-386.65*	
		For Class 54 Rating, Add	*263.63*	
		For Class 55 Rating, Add	*585.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,039.61	286.37
		For Class 52 Rating, Deduct	*-396.63*	
		For Class 54 Rating, Add	*270.43*	
		For Class 55 Rating, Add	*601.07*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,133.27	288.33
		For Class 52 Rating, Deduct	*-406.61*	
		For Class 54 Rating, Add	*277.23*	
		For Class 55 Rating, Add	*616.19*	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,226.94	290.29
		For Class 52 Rating, Deduct	*-416.58*	
		For Class 54 Rating, Add	*284.03*	
		For Class 55 Rating, Add	*631.31*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,320.61	292.25
		For Class 52 Rating, Deduct	*-426.56*	
		For Class 54 Rating, Add	*290.84*	
		For Class 55 Rating, Add	*646.43*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,414.27	294.22
		For Class 52 Rating, Deduct	*-436.53*	
		For Class 54 Rating, Add	*297.64*	
		For Class 55 Rating, Add	*661.55*	

40 05 19 00-2761 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2762	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,102.40	274.60
		For Class 52 Rating, Deduct	*-75.50*	
		For Class 54 Rating, Add	*51.48*	
		For Class 55 Rating, Add	*114.41*	
40 05 19 00-2763	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,218.12	276.56
		For Class 52 Rating, Deduct	*-87.90*	
		For Class 54 Rating, Add	*59.93*	
		For Class 55 Rating, Add	*133.21*	
40 05 19 00-2764	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,333.85	278.52
		For Class 52 Rating, Deduct	*-100.30*	
		For Class 54 Rating, Add	*68.39*	
		For Class 55 Rating, Add	*152.01*	
40 05 19 00-2765	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,449.58	280.48
		For Class 52 Rating, Deduct	*-112.71*	
		For Class 54 Rating, Add	*76.85*	
		For Class 55 Rating, Add	*170.80*	
40 05 19 00-2766	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,565.30	282.45
		For Class 52 Rating, Deduct	*-125.11*	
		For Class 54 Rating, Add	*85.30*	
		For Class 55 Rating, Add	*189.60*	
40 05 19 00-2767	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,681.03	284.40
		For Class 52 Rating, Deduct	*-137.51*	
		For Class 54 Rating, Add	*93.76*	
		For Class 55 Rating, Add	*208.39*	
40 05 19 00-2768	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,796.76	286.37
		For Class 52 Rating, Deduct	*-149.92*	
		For Class 54 Rating, Add	*102.22*	
		For Class 55 Rating, Add	*227.19*	
40 05 19 00-2769	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,912.48	288.33
		For Class 52 Rating, Deduct	*-162.32*	
		For Class 54 Rating, Add	*110.67*	
		For Class 55 Rating, Add	*245.99*	
40 05 19 00-2770	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,028.22	290.29
		For Class 52 Rating, Deduct	*-174.72*	
		For Class 54 Rating, Add	*119.13*	
		For Class 55 Rating, Add	*264.78*	
40 05 19 00-2771	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,143.94	292.25
		For Class 52 Rating, Deduct	*-187.12*	
		For Class 54 Rating, Add	*127.58*	
		For Class 55 Rating, Add	*283.58*	
40 05 19 00-2772	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,259.67	294.22
		For Class 52 Rating, Deduct	*-199.53*	
		For Class 54 Rating, Add	*136.04*	
		For Class 55 Rating, Add	*302.38*	
40 05 19 00-2773	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,375.39	296.17
		For Class 52 Rating, Deduct	*-211.93*	
		For Class 54 Rating, Add	*144.50*	
		For Class 55 Rating, Add	*321.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2774	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,491.13	298.14
		For Class 52 Rating, Deduct	*-224.33*	
		For Class 54 Rating, Add	*152.96*	
		For Class 55 Rating, Add	*339.97*	
40 05 19 00-2775	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,606.84	300.09
		For Class 52 Rating, Deduct	*-236.74*	
		For Class 54 Rating, Add	*161.41*	
		For Class 55 Rating, Add	*358.76*	
40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,722.58	302.06
		For Class 52 Rating, Deduct	*-249.14*	
		For Class 54 Rating, Add	*169.87*	
		For Class 55 Rating, Add	*377.56*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,838.29	304.02
		For Class 52 Rating, Deduct	*-261.54*	
		For Class 54 Rating, Add	*178.32*	
		For Class 55 Rating, Add	*396.36*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,954.03	305.98
		For Class 52 Rating, Deduct	*-273.95*	
		For Class 54 Rating, Add	*186.78*	
		For Class 55 Rating, Add	*415.15*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,069.75	307.94
		For Class 52 Rating, Deduct	*-286.35*	
		For Class 54 Rating, Add	*195.24*	
		For Class 55 Rating, Add	*433.95*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,185.48	309.91
		For Class 52 Rating, Deduct	*-298.75*	
		For Class 54 Rating, Add	*203.69*	
		For Class 55 Rating, Add	*452.75*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,301.21	311.86
		For Class 52 Rating, Deduct	*-311.15*	
		For Class 54 Rating, Add	*212.15*	
		For Class 55 Rating, Add	*471.54*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,416.94	313.83
		For Class 52 Rating, Deduct	*-323.56*	
		For Class 54 Rating, Add	*220.61*	
		For Class 55 Rating, Add	*490.34*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,532.67	315.79
		For Class 52 Rating, Deduct	*-335.96*	
		For Class 54 Rating, Add	*229.07*	
		For Class 55 Rating, Add	*509.14*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,648.39	317.75
		For Class 52 Rating, Deduct	*-348.36*	
		For Class 54 Rating, Add	*237.52*	
		For Class 55 Rating, Add	*527.93*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,764.13	319.71
		For Class 52 Rating, Deduct	*-360.77*	
		For Class 54 Rating, Add	*245.98*	
		For Class 55 Rating, Add	*546.73*	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,879.84	321.68
		For Class 52 Rating, Deduct	*-373.17*	
		For Class 54 Rating, Add	*254.43*	
		For Class 55 Rating, Add	*565.52*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,995.58	323.63
		For Class 52 Rating, Deduct	*-385.57*	
		For Class 54 Rating, Add	*262.89*	
		For Class 55 Rating, Add	*584.32*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,111.29	325.60
		For Class 52 Rating, Deduct	*-397.98*	
		For Class 54 Rating, Add	*271.35*	
		For Class 55 Rating, Add	*603.12*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,227.03	327.55
		For Class 52 Rating, Deduct	*-410.38*	
		For Class 54 Rating, Add	*279.80*	
		For Class 55 Rating, Add	*621.91*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,342.75	329.52
		For Class 52 Rating, Deduct	*-422.78*	
		For Class 54 Rating, Add	*288.26*	
		For Class 55 Rating, Add	*640.71*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,458.48	331.48
		For Class 52 Rating, Deduct	*-435.19*	
		For Class 54 Rating, Add	*296.72*	
		For Class 55 Rating, Add	*659.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,574.20	333.44
		For Class 52 Rating, Deduct	*-447.59*	
		For Class 54 Rating, Add	*305.17*	
		For Class 55 Rating, Add	*678.30*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,689.94	335.40
		For Class 52 Rating, Deduct	*-459.99*	
		For Class 54 Rating, Add	*313.63*	
		For Class 55 Rating, Add	*697.10*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,805.66	337.37
		For Class 52 Rating, Deduct	*-472.40*	
		For Class 54 Rating, Add	*322.09*	
		For Class 55 Rating, Add	*715.89*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,921.39	339.32
		For Class 52 Rating, Deduct	*-484.80*	
		For Class 54 Rating, Add	*330.54*	
		For Class 55 Rating, Add	*734.69*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,037.12	341.29
		For Class 52 Rating, Deduct	*-497.20*	
		For Class 54 Rating, Add	*339.00*	
		For Class 55 Rating, Add	*753.49*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,152.84	343.25
		For Class 52 Rating, Deduct	*-509.60*	
		For Class 54 Rating, Add	*347.46*	
		For Class 55 Rating, Add	*772.28*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,268.57	345.21
		For Class 52 Rating, Deduct	*-522.01*	
		For Class 54 Rating, Add	*355.91*	
		For Class 55 Rating, Add	*791.08*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,384.30	347.17
		For Class 52 Rating, Deduct	*-534.41*	
		For Class 54 Rating, Add	*364.37*	
		For Class 55 Rating, Add	*809.88*	
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,500.02	349.14
		For Class 52 Rating, Deduct	*-546.81*	
		For Class 54 Rating, Add	*372.83*	
		For Class 55 Rating, Add	*828.67*	

40 05 19 00-2801 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2802	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,511.62	329.52
		For Class 52 Rating, Deduct	*-111.36*	
		For Class 54 Rating, Add	*75.93*	
		For Class 55 Rating, Add	*168.76*	
40 05 19 00-2803	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,651.85	331.48
		For Class 52 Rating, Deduct	*-126.46*	
		For Class 54 Rating, Add	*86.22*	
		For Class 55 Rating, Add	*191.64*	
40 05 19 00-2804	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,792.09	333.44
		For Class 52 Rating, Deduct	*-141.56*	
		For Class 54 Rating, Add	*96.52*	
		For Class 55 Rating, Add	*214.52*	
40 05 19 00-2805	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,932.34	335.40
		For Class 52 Rating, Deduct	*-156.66*	
		For Class 54 Rating, Add	*106.81*	
		For Class 55 Rating, Add	*237.41*	
40 05 19 00-2806	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,072.57	337.37
		For Class 52 Rating, Deduct	*-171.76*	
		For Class 54 Rating, Add	*117.11*	
		For Class 55 Rating, Add	*260.29*	
40 05 19 00-2807	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,212.81	339.32
		For Class 52 Rating, Deduct	*-186.85*	
		For Class 54 Rating, Add	*127.40*	
		For Class 55 Rating, Add	*283.17*	
40 05 19 00-2808	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,353.06	341.29
		For Class 52 Rating, Deduct	*-201.95*	
		For Class 54 Rating, Add	*137.70*	
		For Class 55 Rating, Add	*306.05*	
40 05 19 00-2809	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,493.29	343.25
		For Class 52 Rating, Deduct	*-217.05*	
		For Class 54 Rating, Add	*147.99*	
		For Class 55 Rating, Add	*328.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2810	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,633.53	345.21
		For Class 52 Rating, Deduct	*-232.15*	
		For Class 54 Rating, Add	*158.29*	
		For Class 55 Rating, Add	*351.82*	
40 05 19 00-2811	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,773.77	347.17
		For Class 52 Rating, Deduct	*-247.25*	
		For Class 54 Rating, Add	*168.58*	
		For Class 55 Rating, Add	*374.70*	
40 05 19 00-2812	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,914.01	349.14
		For Class 52 Rating, Deduct	*-262.35*	
		For Class 54 Rating, Add	*178.88*	
		For Class 55 Rating, Add	*397.58*	
40 05 19 00-2813	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,054.24	351.09
		For Class 52 Rating, Deduct	*-277.45*	
		For Class 54 Rating, Add	*189.17*	
		For Class 55 Rating, Add	*420.46*	
40 05 19 00-2814	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,194.48	353.06
		For Class 52 Rating, Deduct	*-292.55*	
		For Class 54 Rating, Add	*199.47*	
		For Class 55 Rating, Add	*443.35*	
40 05 19 00-2815	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,334.72	355.01
		For Class 52 Rating, Deduct	*-307.65*	
		For Class 54 Rating, Add	*209.76*	
		For Class 55 Rating, Add	*466.23*	
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,474.97	356.98
		For Class 52 Rating, Deduct	*-322.75*	
		For Class 54 Rating, Add	*220.06*	
		For Class 55 Rating, Add	*489.11*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,615.20	358.94
		For Class 52 Rating, Deduct	*-337.85*	
		For Class 54 Rating, Add	*230.35*	
		For Class 55 Rating, Add	*511.99*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,755.44	360.90
		For Class 52 Rating, Deduct	*-352.95*	
		For Class 54 Rating, Add	*240.65*	
		For Class 55 Rating, Add	*534.88*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,895.69	362.86
		For Class 52 Rating, Deduct	*-368.05*	
		For Class 54 Rating, Add	*250.94*	
		For Class 55 Rating, Add	*557.76*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,035.92	364.83
		For Class 52 Rating, Deduct	*-383.15*	
		For Class 54 Rating, Add	*261.24*	
		For Class 55 Rating, Add	*580.64*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,176.16	366.78
		For Class 52 Rating, Deduct	*-398.25*	
		For Class 54 Rating, Add	*271.53*	
		For Class 55 Rating, Add	*603.52*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,316.40	368.75
		For Class 52 Rating, Deduct	*-413.35*	
		For Class 54 Rating, Add	*281.83*	
		For Class 55 Rating, Add	*626.41*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,456.64	370.71
		For Class 52 Rating, Deduct	*-428.45*	
		For Class 54 Rating, Add	*292.12*	
		For Class 55 Rating, Add	*649.29*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,596.87	372.67
		For Class 52 Rating, Deduct	*-443.54*	
		For Class 54 Rating, Add	*302.42*	
		For Class 55 Rating, Add	*672.17*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,737.12	374.63
		For Class 52 Rating, Deduct	*-458.64*	
		For Class 54 Rating, Add	*312.71*	
		For Class 55 Rating, Add	*695.05*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,877.35	376.60
		For Class 52 Rating, Deduct	*-473.74*	
		For Class 54 Rating, Add	*323.01*	
		For Class 55 Rating, Add	*717.94*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,017.60	378.55
		For Class 52 Rating, Deduct	*-488.84*	
		For Class 54 Rating, Add	*333.30*	
		For Class 55 Rating, Add	*740.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,157.83	380.52
		For Class 52 Rating, Deduct	*-503.94*	
		For Class 54 Rating, Add	*343.60*	
		For Class 55 Rating, Add	*763.70*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,298.07	382.47
		For Class 52 Rating, Deduct	*-519.04*	
		For Class 54 Rating, Add	*353.89*	
		For Class 55 Rating, Add	*786.58*	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,438.32	384.44
		For Class 52 Rating, Deduct	*-534.14*	
		For Class 54 Rating, Add	*364.19*	
		For Class 55 Rating, Add	*809.47*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,578.54	386.40
		For Class 52 Rating, Deduct	*-549.24*	
		For Class 54 Rating, Add	*374.48*	
		For Class 55 Rating, Add	*832.35*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,718.79	388.36
		For Class 52 Rating, Deduct	*-564.34*	
		For Class 54 Rating, Add	*384.78*	
		For Class 55 Rating, Add	*855.23*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,859.03	390.32
		For Class 52 Rating, Deduct	*-579.44*	
		For Class 54 Rating, Add	*395.07*	
		For Class 55 Rating, Add	*878.11*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,999.27	392.29
		For Class 52 Rating, Deduct	*-594.54*	
		For Class 54 Rating, Add	*405.37*	
		For Class 55 Rating, Add	*901.00*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,139.50	394.24
		For Class 52 Rating, Deduct	*-609.64*	
		For Class 54 Rating, Add	*415.66*	
		For Class 55 Rating, Add	*923.88*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,279.75	396.21
		For Class 52 Rating, Deduct	*-624.74*	
		For Class 54 Rating, Add	*425.96*	
		For Class 55 Rating, Add	*946.76*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,419.98	398.17
		For Class 52 Rating, Deduct	*-639.84*	
		For Class 54 Rating, Add	*436.25*	
		For Class 55 Rating, Add	*969.64*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,560.22	400.13
		For Class 52 Rating, Deduct	*-654.94*	
		For Class 54 Rating, Add	*446.55*	
		For Class 55 Rating, Add	*992.53*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,700.46	402.09
		For Class 52 Rating, Deduct	*-670.04*	
		For Class 54 Rating, Add	*456.84*	
		For Class 55 Rating, Add	*1,015.41*	

40 05 19 00-2840 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2841	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,765.55	376.60
		For Class 52 Rating, Deduct	*-131.45*	
		For Class 54 Rating, Add	*89.62*	
		For Class 55 Rating, Add	*199.20*	
40 05 19 00-2842	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,927.86	378.55
		For Class 52 Rating, Deduct	*-148.97*	
		For Class 54 Rating, Add	*101.57*	
		For Class 55 Rating, Add	*225.76*	
40 05 19 00-2843	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,090.16	380.52
		For Class 52 Rating, Deduct	*-166.50*	
		For Class 54 Rating, Add	*113.52*	
		For Class 55 Rating, Add	*252.32*	
40 05 19 00-2844	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,252.45	382.47
		For Class 52 Rating, Deduct	*-184.02*	
		For Class 54 Rating, Add	*125.47*	
		For Class 55 Rating, Add	*278.88*	
40 05 19 00-2845	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,414.76	384.44
		For Class 52 Rating, Deduct	*-201.55*	
		For Class 54 Rating, Add	*137.42*	
		For Class 55 Rating, Add	*305.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2846	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,577.05	386.40
		For Class 52 Rating, Deduct	*-219.08*	
		For Class 54 Rating, Add	*149.37*	
		For Class 55 Rating, Add	*332.00*	
40 05 19 00-2847	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,739.36	388.36
		For Class 52 Rating, Deduct	*-236.60*	
		For Class 54 Rating, Add	*161.32*	
		For Class 55 Rating, Add	*358.56*	
40 05 19 00-2848	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,901.66	390.32
		For Class 52 Rating, Deduct	*-254.13*	
		For Class 54 Rating, Add	*173.27*	
		For Class 55 Rating, Add	*385.12*	
40 05 19 00-2849	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,063.95	392.29
		For Class 52 Rating, Deduct	*-271.65*	
		For Class 54 Rating, Add	*185.22*	
		For Class 55 Rating, Add	*411.68*	
40 05 19 00-2850	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,226.25	394.24
		For Class 52 Rating, Deduct	*-289.18*	
		For Class 54 Rating, Add	*197.17*	
		For Class 55 Rating, Add	*438.24*	
40 05 19 00-2851	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,388.56	396.21
		For Class 52 Rating, Deduct	*-306.71*	
		For Class 54 Rating, Add	*209.12*	
		For Class 55 Rating, Add	*464.80*	
40 05 19 00-2852	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,550.85	398.17
		For Class 52 Rating, Deduct	*-324.23*	
		For Class 54 Rating, Add	*221.07*	
		For Class 55 Rating, Add	*491.36*	
40 05 19 00-2853	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,713.16	400.13
		For Class 52 Rating, Deduct	*-341.76*	
		For Class 54 Rating, Add	*233.02*	
		For Class 55 Rating, Add	*517.92*	
40 05 19 00-2854	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,875.45	402.09
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*244.97*	
		For Class 55 Rating, Add	*544.48*	
40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,037.75	404.06
		For Class 52 Rating, Deduct	*-376.81*	
		For Class 54 Rating, Add	*256.92*	
		For Class 55 Rating, Add	*571.04*	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,200.06	406.01
		For Class 52 Rating, Deduct	*-394.34*	
		For Class 54 Rating, Add	*268.87*	
		For Class 55 Rating, Add	*597.60*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,362.35	407.98
		For Class 52 Rating, Deduct	*-411.86*	
		For Class 54 Rating, Add	*280.82*	
		For Class 55 Rating, Add	*624.16*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,524.66	409.93
		For Class 52 Rating, Deduct	*-429.39*	
		For Class 54 Rating, Add	*292.77*	
		For Class 55 Rating, Add	*650.72*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,686.95	411.90
		For Class 52 Rating, Deduct	*-446.91*	
		For Class 54 Rating, Add	*304.71*	
		For Class 55 Rating, Add	*677.28*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,849.25	413.86
		For Class 52 Rating, Deduct	*-464.44*	
		For Class 54 Rating, Add	*316.66*	
		For Class 55 Rating, Add	*703.84*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,011.55	415.82
		For Class 52 Rating, Deduct	*-481.97*	
		For Class 54 Rating, Add	*328.61*	
		For Class 55 Rating, Add	*730.40*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,173.86	417.78
		For Class 52 Rating, Deduct	*-499.49*	
		For Class 54 Rating, Add	*340.56*	
		For Class 55 Rating, Add	*756.96*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,336.15	419.75
		For Class 52 Rating, Deduct	*-517.02*	
		For Class 54 Rating, Add	*352.51*	
		For Class 55 Rating, Add	*783.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,498.45	421.70
		For Class 52 Rating, Deduct	*-534.55*	
		For Class 54 Rating, Add	*364.46*	
		For Class 55 Rating, Add	*810.08*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,660.76	423.67
		For Class 52 Rating, Deduct	*-552.07*	
		For Class 54 Rating, Add	*376.41*	
		For Class 55 Rating, Add	*836.64*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,823.05	425.63
		For Class 52 Rating, Deduct	*-569.60*	
		For Class 54 Rating, Add	*388.36*	
		For Class 55 Rating, Add	*863.20*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,985.36	427.59
		For Class 52 Rating, Deduct	*-587.12*	
		For Class 54 Rating, Add	*400.31*	
		For Class 55 Rating, Add	*889.76*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,147.65	429.55
		For Class 52 Rating, Deduct	*-604.65*	
		For Class 54 Rating, Add	*412.26*	
		For Class 55 Rating, Add	*916.32*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,309.95	431.52
		For Class 52 Rating, Deduct	*-622.18*	
		For Class 54 Rating, Add	*424.21*	
		For Class 55 Rating, Add	*942.88*	
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,472.25	433.47
		For Class 52 Rating, Deduct	*-639.70*	
		For Class 54 Rating, Add	*436.16*	
		For Class 55 Rating, Add	*969.44*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,634.55	435.44
		For Class 52 Rating, Deduct	*-657.23*	
		For Class 54 Rating, Add	*448.11*	
		For Class 55 Rating, Add	*996.00*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,796.85	437.39
		For Class 52 Rating, Deduct	*-674.75*	
		For Class 54 Rating, Add	*460.06*	
		For Class 55 Rating, Add	*1,022.56*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,959.16	439.36
		For Class 52 Rating, Deduct	*-692.28*	
		For Class 54 Rating, Add	*472.01*	
		For Class 55 Rating, Add	*1,049.12*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,121.44	441.32
		For Class 52 Rating, Deduct	*-709.81*	
		For Class 54 Rating, Add	*483.96*	
		For Class 55 Rating, Add	*1,075.68*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,283.75	443.28
		For Class 52 Rating, Deduct	*-727.33*	
		For Class 54 Rating, Add	*495.91*	
		For Class 55 Rating, Add	*1,102.24*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,446.05	445.24
		For Class 52 Rating, Deduct	*-744.86*	
		For Class 54 Rating, Add	*507.86*	
		For Class 55 Rating, Add	*1,128.80*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,608.35	447.21
		For Class 52 Rating, Deduct	*-762.38*	
		For Class 54 Rating, Add	*519.81*	
		For Class 55 Rating, Add	*1,155.36*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,770.66	449.16
		For Class 52 Rating, Deduct	*-779.91*	
		For Class 54 Rating, Add	*531.76*	
		For Class 55 Rating, Add	*1,181.92*	

40 05 19 00-2879 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2880	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,058.68	424.46
		For Class 52 Rating, Deduct	*-155.71*	
		For Class 54 Rating, Add	*106.17*	
		For Class 55 Rating, Add	*235.98*	
40 05 19 00-2881	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,245.49	426.41
		For Class 52 Rating, Deduct	*-175.94*	
		For Class 54 Rating, Add	*119.96*	
		For Class 55 Rating, Add	*266.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2882	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,432.30	428.38
		For Class 52 Rating, Deduct	*-196.16*	
		For Class 54 Rating, Add	*133.74*	
		For Class 55 Rating, Add	*297.27*	
40 05 19 00-2883	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,619.12	430.34
		For Class 52 Rating, Deduct	*-216.38*	
		For Class 54 Rating, Add	*147.53*	
		For Class 55 Rating, Add	*327.91*	
40 05 19 00-2884	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,805.93	432.30
		For Class 52 Rating, Deduct	*-236.60*	
		For Class 54 Rating, Add	*161.32*	
		For Class 55 Rating, Add	*358.56*	
40 05 19 00-2885	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,992.74	434.26
		For Class 52 Rating, Deduct	*-256.82*	
		For Class 54 Rating, Add	*175.11*	
		For Class 55 Rating, Add	*389.21*	
40 05 19 00-2886	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,179.55	436.23
		For Class 52 Rating, Deduct	*-277.05*	
		For Class 54 Rating, Add	*188.90*	
		For Class 55 Rating, Add	*419.85*	
40 05 19 00-2887	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,366.36	438.18
		For Class 52 Rating, Deduct	*-297.27*	
		For Class 54 Rating, Add	*202.68*	
		For Class 55 Rating, Add	*450.50*	
40 05 19 00-2888	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,553.18	440.15
		For Class 52 Rating, Deduct	*-317.49*	
		For Class 54 Rating, Add	*216.47*	
		For Class 55 Rating, Add	*481.14*	
40 05 19 00-2889	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,739.98	442.10
		For Class 52 Rating, Deduct	*-337.71*	
		For Class 54 Rating, Add	*230.26*	
		For Class 55 Rating, Add	*511.79*	
40 05 19 00-2890	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,926.80	444.07
		For Class 52 Rating, Deduct	*-357.94*	
		For Class 54 Rating, Add	*244.05*	
		For Class 55 Rating, Add	*542.44*	
40 05 19 00-2891	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,113.61	446.03
		For Class 52 Rating, Deduct	*-378.16*	
		For Class 54 Rating, Add	*257.84*	
		For Class 55 Rating, Add	*573.08*	
40 05 19 00-2892	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,300.42	447.99
		For Class 52 Rating, Deduct	*-398.38*	
		For Class 54 Rating, Add	*271.62*	
		For Class 55 Rating, Add	*603.73*	
40 05 19 00-2893	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,487.23	449.95
		For Class 52 Rating, Deduct	*-418.60*	
		For Class 54 Rating, Add	*285.41*	
		For Class 55 Rating, Add	*634.38*	
40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,674.05	451.92
		For Class 52 Rating, Deduct	*-438.83*	
		For Class 54 Rating, Add	*299.20*	
		For Class 55 Rating, Add	*665.02*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,860.85	453.87
		For Class 52 Rating, Deduct	*-459.05*	
		For Class 54 Rating, Add	*312.99*	
		For Class 55 Rating, Add	*695.67*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,047.67	455.84
		For Class 52 Rating, Deduct	*-479.27*	
		For Class 54 Rating, Add	*326.78*	
		For Class 55 Rating, Add	*726.31*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,234.49	457.80
		For Class 52 Rating, Deduct	*-499.49*	
		For Class 54 Rating, Add	*340.56*	
		For Class 55 Rating, Add	*756.96*	
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,421.29	459.76
		For Class 52 Rating, Deduct	*-519.72*	
		For Class 54 Rating, Add	*354.35*	
		For Class 55 Rating, Add	*787.61*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,608.11	461.72
		For Class 52 Rating, Deduct	*-539.94*	
		For Class 54 Rating, Add	*368.14*	
		For Class 55 Rating, Add	*818.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,794.91	463.69
		For Class 52 Rating, Deduct	*-560.16*	
		For Class 54 Rating, Add	*381.93*	
		For Class 55 Rating, Add	*848.90*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,981.73	465.64
		For Class 52 Rating, Deduct	*-580.38*	
		For Class 54 Rating, Add	*395.72*	
		For Class 55 Rating, Add	*879.54*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,168.54	467.61
		For Class 52 Rating, Deduct	*-600.61*	
		For Class 54 Rating, Add	*409.50*	
		For Class 55 Rating, Add	*910.19*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,355.35	469.56
		For Class 52 Rating, Deduct	*-620.83*	
		For Class 54 Rating, Add	*423.29*	
		For Class 55 Rating, Add	*940.84*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,542.16	471.53
		For Class 52 Rating, Deduct	*-641.05*	
		For Class 54 Rating, Add	*437.08*	
		For Class 55 Rating, Add	*971.48*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,728.98	473.49
		For Class 52 Rating, Deduct	*-661.27*	
		For Class 54 Rating, Add	*450.87*	
		For Class 55 Rating, Add	*1,002.13*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,915.78	475.45
		For Class 52 Rating, Deduct	*-681.50*	
		For Class 54 Rating, Add	*464.66*	
		For Class 55 Rating, Add	*1,032.77*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,102.60	477.41
		For Class 52 Rating, Deduct	*-701.72*	
		For Class 54 Rating, Add	*478.44*	
		For Class 55 Rating, Add	*1,063.42*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,289.42	479.38
		For Class 52 Rating, Deduct	*-721.94*	
		For Class 54 Rating, Add	*492.23*	
		For Class 55 Rating, Add	*1,094.07*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,476.22	481.33
		For Class 52 Rating, Deduct	*-742.16*	
		For Class 54 Rating, Add	*506.02*	
		For Class 55 Rating, Add	*1,124.71*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,663.04	483.30
		For Class 52 Rating, Deduct	*-762.38*	
		For Class 54 Rating, Add	*519.81*	
		For Class 55 Rating, Add	*1,155.36*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,849.84	485.26
		For Class 52 Rating, Deduct	*-782.61*	
		For Class 54 Rating, Add	*533.60*	
		For Class 55 Rating, Add	*1,186.01*	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,036.66	487.22
		For Class 52 Rating, Deduct	*-802.83*	
		For Class 54 Rating, Add	*547.38*	
		For Class 55 Rating, Add	*1,216.65*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,223.47	489.18
		For Class 52 Rating, Deduct	*-823.05*	
		For Class 54 Rating, Add	*561.17*	
		For Class 55 Rating, Add	*1,247.30*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,410.28	491.15
		For Class 52 Rating, Deduct	*-843.27*	
		For Class 54 Rating, Add	*574.96*	
		For Class 55 Rating, Add	*1,277.94*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,597.09	493.10
		For Class 52 Rating, Deduct	*-863.50*	
		For Class 54 Rating, Add	*588.75*	
		For Class 55 Rating, Add	*1,308.59*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,783.91	495.07
		For Class 52 Rating, Deduct	*-883.72*	
		For Class 54 Rating, Add	*602.54*	
		For Class 55 Rating, Add	*1,339.24*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,970.71	497.02
		For Class 52 Rating, Deduct	*-903.94*	
		For Class 54 Rating, Add	*616.32*	
		For Class 55 Rating, Add	*1,369.88*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2918		20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*			
40 05 19 00-2919	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,382.47	484.47
		For Class 52 Rating, Deduct		*-181.33*	
		For Class 54 Rating, Add		*123.63*	
		For Class 55 Rating, Add		*274.79*	
40 05 19 00-2920	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,595.03	486.44
		For Class 52 Rating, Deduct		*-204.38*	
		For Class 54 Rating, Add		*139.35*	
		For Class 55 Rating, Add		*309.73*	
40 05 19 00-2921	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,807.58	488.39
		For Class 52 Rating, Deduct		*-227.43*	
		For Class 54 Rating, Add		*155.07*	
		For Class 55 Rating, Add		*344.67*	
40 05 19 00-2922	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,020.12	490.36
		For Class 52 Rating, Deduct		*-250.49*	
		For Class 54 Rating, Add		*170.79*	
		For Class 55 Rating, Add		*379.60*	
40 05 19 00-2923	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,232.68	492.31
		For Class 52 Rating, Deduct		*-273.54*	
		For Class 54 Rating, Add		*186.51*	
		For Class 55 Rating, Add		*414.54*	
40 05 19 00-2924	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,445.23	494.28
		For Class 52 Rating, Deduct		*-296.60*	
		For Class 54 Rating, Add		*202.22*	
		For Class 55 Rating, Add		*449.48*	
40 05 19 00-2925	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,657.78	496.24
		For Class 52 Rating, Deduct		*-319.65*	
		For Class 54 Rating, Add		*217.94*	
		For Class 55 Rating, Add		*484.41*	
40 05 19 00-2926	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,870.33	498.20
		For Class 52 Rating, Deduct		*-342.70*	
		For Class 54 Rating, Add		*233.66*	
		For Class 55 Rating, Add		*519.35*	
40 05 19 00-2927	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,082.88	500.16
		For Class 52 Rating, Deduct		*-365.76*	
		For Class 54 Rating, Add		*249.38*	
		For Class 55 Rating, Add		*554.29*	
40 05 19 00-2928	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,295.42	502.13
		For Class 52 Rating, Deduct		*-388.81*	
		For Class 54 Rating, Add		*265.10*	
		For Class 55 Rating, Add		*589.22*	
40 05 19 00-2929	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,507.98	504.08
		For Class 52 Rating, Deduct		*-411.86*	
		For Class 54 Rating, Add		*280.82*	
		For Class 55 Rating, Add		*624.16*	
40 05 19 00-2930	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,720.53	506.05
		For Class 52 Rating, Deduct		*-434.92*	
		For Class 54 Rating, Add		*296.53*	
		For Class 55 Rating, Add		*659.10*	
40 05 19 00-2931	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,933.07	508.01
		For Class 52 Rating, Deduct		*-457.97*	
		For Class 54 Rating, Add		*312.25*	
		For Class 55 Rating, Add		*694.03*	
40 05 19 00-2932	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,145.62	509.97
		For Class 52 Rating, Deduct		*-481.02*	
		For Class 54 Rating, Add		*327.97*	
		For Class 55 Rating, Add		*728.97*	
40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,358.17	511.93
		For Class 52 Rating, Deduct		*-504.08*	
		For Class 54 Rating, Add		*343.69*	
		For Class 55 Rating, Add		*763.91*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,570.73	513.90
		For Class 52 Rating, Deduct		*-527.13*	
		For Class 54 Rating, Add		*359.41*	
		For Class 55 Rating, Add		*798.84*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,783.27	515.85
		For Class 52 Rating, Deduct		*-550.18*	
		For Class 54 Rating, Add		*375.13*	
		For Class 55 Rating, Add		*833.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,995.82	517.82
		For Class 52 Rating, Deduct	*-573.24*	
		For Class 54 Rating, Add	*390.84*	
		For Class 55 Rating, Add	*868.72*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,208.37	519.77
		For Class 52 Rating, Deduct	*-596.29*	
		For Class 54 Rating, Add	*406.56*	
		For Class 55 Rating, Add	*903.65*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,420.93	521.74
		For Class 52 Rating, Deduct	*-619.35*	
		For Class 54 Rating, Add	*422.28*	
		For Class 55 Rating, Add	*938.59*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,633.46	523.70
		For Class 52 Rating, Deduct	*-642.40*	
		For Class 54 Rating, Add	*438.00*	
		For Class 55 Rating, Add	*973.52*	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,846.02	525.66
		For Class 52 Rating, Deduct	*-665.45*	
		For Class 54 Rating, Add	*453.72*	
		For Class 55 Rating, Add	*1,008.46*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,058.57	527.62
		For Class 52 Rating, Deduct	*-688.51*	
		For Class 54 Rating, Add	*469.44*	
		For Class 55 Rating, Add	*1,043.40*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,271.12	529.59
		For Class 52 Rating, Deduct	*-711.56*	
		For Class 54 Rating, Add	*485.15*	
		For Class 55 Rating, Add	*1,078.34*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,483.66	531.54
		For Class 52 Rating, Deduct	*-734.61*	
		For Class 54 Rating, Add	*500.87*	
		For Class 55 Rating, Add	*1,113.27*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,696.21	533.51
		For Class 52 Rating, Deduct	*-757.67*	
		For Class 54 Rating, Add	*516.59*	
		For Class 55 Rating, Add	*1,148.21*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,908.77	535.47
		For Class 52 Rating, Deduct	*-780.72*	
		For Class 54 Rating, Add	*532.31*	
		For Class 55 Rating, Add	*1,183.14*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,121.32	537.43
		For Class 52 Rating, Deduct	*-803.77*	
		For Class 54 Rating, Add	*548.03*	
		For Class 55 Rating, Add	*1,218.08*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,333.86	539.39
		For Class 52 Rating, Deduct	*-826.83*	
		For Class 54 Rating, Add	*563.75*	
		For Class 55 Rating, Add	*1,253.02*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,546.41	541.36
		For Class 52 Rating, Deduct	*-849.88*	
		For Class 54 Rating, Add	*579.46*	
		For Class 55 Rating, Add	*1,287.95*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,758.97	543.31
		For Class 52 Rating, Deduct	*-872.93*	
		For Class 54 Rating, Add	*595.18*	
		For Class 55 Rating, Add	*1,322.89*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,971.51	545.28
		For Class 52 Rating, Deduct	*-895.99*	
		For Class 54 Rating, Add	*610.90*	
		For Class 55 Rating, Add	*1,357.83*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,184.07	547.23
		For Class 52 Rating, Deduct	*-919.04*	
		For Class 54 Rating, Add	*626.62*	
		For Class 55 Rating, Add	*1,392.77*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,396.61	549.20
		For Class 52 Rating, Deduct	*-942.09*	
		For Class 54 Rating, Add	*642.34*	
		For Class 55 Rating, Add	*1,427.70*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,609.16	551.16
		For Class 52 Rating, Deduct	*-965.15*	
		For Class 54 Rating, Add	*658.06*	
		For Class 55 Rating, Add	*1,462.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,821.71	553.12
		For Class 52 Rating, Deduct	*-988.20*	
		For Class 54 Rating, Add	*673.77*	
		For Class 55 Rating, Add	*1,497.57*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,034.27	555.08
		For Class 52 Rating, Deduct	*-1,011.26*	
		For Class 54 Rating, Add	*689.49*	
		For Class 55 Rating, Add	*1,532.51*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,246.80	557.05
		For Class 52 Rating, Deduct	*-1,034.31*	
		For Class 54 Rating, Add	*705.21*	
		For Class 55 Rating, Add	*1,567.45*	

40 05 19 00-2957 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2958	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,948.85	572.74
		For Class 52 Rating, Deduct	*-228.92*	
		For Class 54 Rating, Add	*156.08*	
		For Class 55 Rating, Add	*346.91*	
40 05 19 00-2959	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,211.65	574.70
		For Class 52 Rating, Deduct	*-257.50*	
		For Class 54 Rating, Add	*175.57*	
		For Class 55 Rating, Add	*390.23*	
40 05 19 00-2960	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,474.45	576.66
		For Class 52 Rating, Deduct	*-286.08*	
		For Class 54 Rating, Add	*195.05*	
		For Class 55 Rating, Add	*433.54*	
40 05 19 00-2961	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,737.24	578.62
		For Class 52 Rating, Deduct	*-314.66*	
		For Class 54 Rating, Add	*214.54*	
		For Class 55 Rating, Add	*476.85*	
40 05 19 00-2962	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,000.05	580.58
		For Class 52 Rating, Deduct	*-343.24*	
		For Class 54 Rating, Add	*234.03*	
		For Class 55 Rating, Add	*520.17*	
40 05 19 00-2963	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,262.85	582.54
		For Class 52 Rating, Deduct	*-371.82*	
		For Class 54 Rating, Add	*253.52*	
		For Class 55 Rating, Add	*563.48*	
40 05 19 00-2964	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,525.64	584.51
		For Class 52 Rating, Deduct	*-400.40*	
		For Class 54 Rating, Add	*273.00*	
		For Class 55 Rating, Add	*606.79*	
40 05 19 00-2965	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,788.45	586.46
		For Class 52 Rating, Deduct	*-428.98*	
		For Class 54 Rating, Add	*292.49*	
		For Class 55 Rating, Add	*650.11*	
40 05 19 00-2966	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,051.24	588.43
		For Class 52 Rating, Deduct	*-457.57*	
		For Class 54 Rating, Add	*311.98*	
		For Class 55 Rating, Add	*693.42*	
40 05 19 00-2967	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,314.04	590.39
		For Class 52 Rating, Deduct	*-486.15*	
		For Class 54 Rating, Add	*331.46*	
		For Class 55 Rating, Add	*736.73*	
40 05 19 00-2968	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,576.84	592.35
		For Class 52 Rating, Deduct	*-514.73*	
		For Class 54 Rating, Add	*350.95*	
		For Class 55 Rating, Add	*780.05*	
40 05 19 00-2969	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,839.64	594.31
		For Class 52 Rating, Deduct	*-543.31*	
		For Class 54 Rating, Add	*370.44*	
		For Class 55 Rating, Add	*823.36*	
40 05 19 00-2970	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,102.44	596.28
		For Class 52 Rating, Deduct	*-571.89*	
		For Class 54 Rating, Add	*389.93*	
		For Class 55 Rating, Add	*866.67*	
40 05 19 00-2971	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,365.24	598.23
		For Class 52 Rating, Deduct	*-600.47*	
		For Class 54 Rating, Add	*409.41*	
		For Class 55 Rating, Add	*909.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,628.03	600.20
		For Class 52 Rating, Deduct	*-629.05*	
		For Class 54 Rating, Add	*428.90*	
		For Class 55 Rating, Add	*953.30*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,890.84	602.16
		For Class 52 Rating, Deduct	*-657.63*	
		For Class 54 Rating, Add	*448.39*	
		For Class 55 Rating, Add	*996.61*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,153.64	604.12
		For Class 52 Rating, Deduct	*-686.21*	
		For Class 54 Rating, Add	*467.87*	
		For Class 55 Rating, Add	*1,039.92*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,416.43	606.08
		For Class 52 Rating, Deduct	*-714.79*	
		For Class 54 Rating, Add	*487.36*	
		For Class 55 Rating, Add	*1,083.24*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,679.24	608.04
		For Class 52 Rating, Deduct	*-743.38*	
		For Class 54 Rating, Add	*506.85*	
		For Class 55 Rating, Add	*1,126.55*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,942.03	610.00
		For Class 52 Rating, Deduct	*-771.96*	
		For Class 54 Rating, Add	*526.33*	
		For Class 55 Rating, Add	*1,169.87*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,204.83	611.97
		For Class 52 Rating, Deduct	*-800.54*	
		For Class 54 Rating, Add	*545.82*	
		For Class 55 Rating, Add	*1,213.18*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,467.63	613.92
		For Class 52 Rating, Deduct	*-829.12*	
		For Class 54 Rating, Add	*565.31*	
		For Class 55 Rating, Add	*1,256.49*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,730.43	615.89
		For Class 52 Rating, Deduct	*-857.70*	
		For Class 54 Rating, Add	*584.80*	
		For Class 55 Rating, Add	*1,299.80*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,993.22	617.85
		For Class 52 Rating, Deduct	*-886.28*	
		For Class 54 Rating, Add	*604.28*	
		For Class 55 Rating, Add	*1,343.12*	
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,256.03	619.81
		For Class 52 Rating, Deduct	*-914.86*	
		For Class 54 Rating, Add	*623.77*	
		For Class 55 Rating, Add	*1,386.43*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,518.82	621.77
		For Class 52 Rating, Deduct	*-943.44*	
		For Class 54 Rating, Add	*643.26*	
		For Class 55 Rating, Add	*1,429.74*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,781.63	623.74
		For Class 52 Rating, Deduct	*-972.02*	
		For Class 54 Rating, Add	*662.74*	
		For Class 55 Rating, Add	*1,473.06*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,044.43	625.69
		For Class 52 Rating, Deduct	*-1,000.60*	
		For Class 54 Rating, Add	*682.23*	
		For Class 55 Rating, Add	*1,516.37*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,307.22	627.66
		For Class 52 Rating, Deduct	*-1,029.19*	
		For Class 54 Rating, Add	*701.72*	
		For Class 55 Rating, Add	*1,559.68*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,620.55	662.96
		For Class 52 Rating, Deduct	*-1,057.77*	
		For Class 54 Rating, Add	*721.20*	
		For Class 55 Rating, Add	*1,603.00*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,883.33	664.92
		For Class 52 Rating, Deduct	*-1,086.35*	
		For Class 54 Rating, Add	*740.69*	
		For Class 55 Rating, Add	*1,646.31*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,146.14	666.89
		For Class 52 Rating, Deduct	*-1,114.93*	
		For Class 54 Rating, Add	*760.18*	
		For Class 55 Rating, Add	*1,689.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,408.94	668.84
		For Class 52 Rating, Deduct	*-1,143.51*	
		For Class 54 Rating, Add	*779.67*	
		For Class 55 Rating, Add	*1,732.94*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,671.74	670.81
		For Class 52 Rating, Deduct	*-1,172.09*	
		For Class 54 Rating, Add	*799.15*	
		For Class 55 Rating, Add	*1,776.25*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,933.32	672.77
		For Class 52 Rating, Deduct	*-1,200.54*	
		For Class 54 Rating, Add	*818.55*	
		For Class 55 Rating, Add	*1,819.36*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,197.34	674.73
		For Class 52 Rating, Deduct	*-1,229.25*	
		For Class 54 Rating, Add	*838.13*	
		For Class 55 Rating, Add	*1,862.88*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,460.14	676.69
		For Class 52 Rating, Deduct	*-1,257.83*	
		For Class 54 Rating, Add	*857.61*	
		For Class 55 Rating, Add	*1,906.19*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,722.94	678.66
		For Class 52 Rating, Deduct	*-1,286.41*	
		For Class 54 Rating, Add	*877.10*	
		For Class 55 Rating, Add	*1,949.50*	

40 05 19 00-2996 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2997	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,501.65	808.11
		For Class 52 Rating, Deduct	*-360.50*	
		For Class 54 Rating, Add	*245.79*	
		For Class 55 Rating, Add	*546.32*	
40 05 19 00-2998	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,877.22	810.07
		For Class 52 Rating, Deduct	*-401.48*	
		For Class 54 Rating, Add	*273.74*	
		For Class 55 Rating, Add	*608.43*	
40 05 19 00-2999	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,252.77	812.03
		For Class 52 Rating, Deduct	*-442.47*	
		For Class 54 Rating, Add	*301.68*	
		For Class 55 Rating, Add	*670.54*	
40 05 19 00-3000	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,628.32	813.99
		For Class 52 Rating, Deduct	*-483.45*	
		For Class 54 Rating, Add	*329.63*	
		For Class 55 Rating, Add	*732.65*	
40 05 19 00-3001	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,003.87	815.96
		For Class 52 Rating, Deduct	*-524.43*	
		For Class 54 Rating, Add	*357.57*	
		For Class 55 Rating, Add	*794.76*	
40 05 19 00-3002	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,379.43	817.91
		For Class 52 Rating, Deduct	*-565.42*	
		For Class 54 Rating, Add	*385.51*	
		For Class 55 Rating, Add	*856.87*	
40 05 19 00-3003	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,754.98	819.88
		For Class 52 Rating, Deduct	*-606.40*	
		For Class 54 Rating, Add	*413.46*	
		For Class 55 Rating, Add	*918.98*	
40 05 19 00-3004	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,130.54	821.84
		For Class 52 Rating, Deduct	*-647.39*	
		For Class 54 Rating, Add	*441.40*	
		For Class 55 Rating, Add	*981.08*	
40 05 19 00-3005	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,506.08	823.80
		For Class 52 Rating, Deduct	*-688.37*	
		For Class 54 Rating, Add	*469.34*	
		For Class 55 Rating, Add	*1,043.19*	
40 05 19 00-3006	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,881.65	825.76
		For Class 52 Rating, Deduct	*-729.36*	
		For Class 54 Rating, Add	*497.29*	
		For Class 55 Rating, Add	*1,105.30*	
40 05 19 00-3007	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,257.21	827.73
		For Class 52 Rating, Deduct	*-770.34*	
		For Class 54 Rating, Add	*525.23*	
		For Class 55 Rating, Add	*1,167.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3008	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,632.75	829.68
		For Class 52 Rating, Deduct	*-811.32*	
		For Class 54 Rating, Add	*553.17*	
		For Class 55 Rating, Add	*1,229.52*	
40 05 19 00-3009	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,008.31	831.65
		For Class 52 Rating, Deduct	*-852.31*	
		For Class 54 Rating, Add	*581.12*	
		For Class 55 Rating, Add	*1,291.63*	
40 05 19 00-3010	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,383.87	833.60
		For Class 52 Rating, Deduct	*-893.29*	
		For Class 54 Rating, Add	*609.06*	
		For Class 55 Rating, Add	*1,353.74*	
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,759.42	835.57
		For Class 52 Rating, Deduct	*-934.28*	
		For Class 54 Rating, Add	*637.01*	
		For Class 55 Rating, Add	*1,415.85*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,134.97	837.53
		For Class 52 Rating, Deduct	*-975.26*	
		For Class 54 Rating, Add	*664.95*	
		For Class 55 Rating, Add	*1,477.96*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,510.53	839.49
		For Class 52 Rating, Deduct	*-1,016.24*	
		For Class 54 Rating, Add	*692.89*	
		For Class 55 Rating, Add	*1,540.07*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,886.08	841.45
		For Class 52 Rating, Deduct	*-1,057.23*	
		For Class 54 Rating, Add	*720.84*	
		For Class 55 Rating, Add	*1,602.18*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,261.64	843.42
		For Class 52 Rating, Deduct	*-1,098.21*	
		For Class 54 Rating, Add	*748.78*	
		For Class 55 Rating, Add	*1,664.29*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,637.18	845.37
		For Class 52 Rating, Deduct	*-1,139.20*	
		For Class 54 Rating, Add	*776.72*	
		For Class 55 Rating, Add	*1,726.40*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,012.74	847.34
		For Class 52 Rating, Deduct	*-1,180.18*	
		For Class 54 Rating, Add	*804.67*	
		For Class 55 Rating, Add	*1,788.51*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,388.30	849.30
		For Class 52 Rating, Deduct	*-1,221.16*	
		For Class 54 Rating, Add	*832.61*	
		For Class 55 Rating, Add	*1,850.62*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,763.85	851.26
		For Class 52 Rating, Deduct	*-1,262.15*	
		For Class 54 Rating, Add	*860.56*	
		For Class 55 Rating, Add	*1,912.73*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,139.41	853.22
		For Class 52 Rating, Deduct	*-1,303.13*	
		For Class 54 Rating, Add	*888.50*	
		For Class 55 Rating, Add	*1,974.84*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,514.96	855.19
		For Class 52 Rating, Deduct	*-1,344.12*	
		For Class 54 Rating, Add	*916.44*	
		For Class 55 Rating, Add	*2,036.95*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,890.51	857.14
		For Class 52 Rating, Deduct	*-1,385.10*	
		For Class 54 Rating, Add	*944.39*	
		For Class 55 Rating, Add	*2,099.05*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,266.07	859.11
		For Class 52 Rating, Deduct	*-1,426.08*	
		For Class 54 Rating, Add	*972.33*	
		For Class 55 Rating, Add	*2,161.17*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,641.63	861.06
		For Class 52 Rating, Deduct	*-1,467.07*	
		For Class 54 Rating, Add	*1,000.27*	
		For Class 55 Rating, Add	*2,223.27*	
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,017.17	863.03
		For Class 52 Rating, Deduct	*-1,508.05*	
		For Class 54 Rating, Add	*1,028.22*	
		For Class 55 Rating, Add	*2,285.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,392.73	864.99
		For Class 52 Rating, Deduct	*-1,549.04*	
		For Class 54 Rating, Add	*1,056.16*	
		For Class 55 Rating, Add	*2,347.49*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,768.29	866.95
		For Class 52 Rating, Deduct	*-1,590.02*	
		For Class 54 Rating, Add	*1,084.10*	
		For Class 55 Rating, Add	*2,409.60*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,143.84	868.91
		For Class 52 Rating, Deduct	*-1,631.00*	
		For Class 54 Rating, Add	*1,112.05*	
		For Class 55 Rating, Add	*2,471.71*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,519.40	870.88
		For Class 52 Rating, Deduct	*-1,671.99*	
		For Class 54 Rating, Add	*1,139.99*	
		For Class 55 Rating, Add	*2,533.82*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,894.94	872.83
		For Class 52 Rating, Deduct	*-1,712.97*	
		For Class 54 Rating, Add	*1,167.94*	
		For Class 55 Rating, Add	*2,595.93*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,270.51	874.80
		For Class 52 Rating, Deduct	*-1,753.96*	
		For Class 54 Rating, Add	*1,195.88*	
		For Class 55 Rating, Add	*2,658.04*	

40 05 19 00-3032 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-3033	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,185.30	1,023.86
		For Class 52 Rating, Deduct	*-509.74*	
		For Class 54 Rating, Add	*347.55*	
		For Class 55 Rating, Add	*772.49*	
40 05 19 00-3034	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,688.32	1,025.82
		For Class 52 Rating, Deduct	*-564.74*	
		For Class 54 Rating, Add	*385.05*	
		For Class 55 Rating, Add	*855.84*	
40 05 19 00-3035	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,191.33	1,027.79
		For Class 52 Rating, Deduct	*-619.75*	
		For Class 54 Rating, Add	*422.56*	
		For Class 55 Rating, Add	*939.20*	
40 05 19 00-3036	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,694.36	1,029.75
		For Class 52 Rating, Deduct	*-674.75*	
		For Class 54 Rating, Add	*460.06*	
		For Class 55 Rating, Add	*1,022.56*	
40 05 19 00-3037	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,197.36	1,031.70
		For Class 52 Rating, Deduct	*-729.76*	
		For Class 54 Rating, Add	*497.56*	
		For Class 55 Rating, Add	*1,105.92*	
40 05 19 00-3038	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,700.39	1,033.67
		For Class 52 Rating, Deduct	*-784.76*	
		For Class 54 Rating, Add	*535.07*	
		For Class 55 Rating, Add	*1,189.27*	
40 05 19 00-3039	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,203.40	1,035.63
		For Class 52 Rating, Deduct	*-839.77*	
		For Class 54 Rating, Add	*572.57*	
		For Class 55 Rating, Add	*1,272.63*	
40 05 19 00-3040	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,706.42	1,037.59
		For Class 52 Rating, Deduct	*-894.77*	
		For Class 54 Rating, Add	*610.07*	
		For Class 55 Rating, Add	*1,355.99*	
40 05 19 00-3041	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,209.43	1,039.55
		For Class 52 Rating, Deduct	*-949.78*	
		For Class 54 Rating, Add	*647.58*	
		For Class 55 Rating, Add	*1,439.35*	
40 05 19 00-3042	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,712.46	1,041.52
		For Class 52 Rating, Deduct	*-1,004.78*	
		For Class 54 Rating, Add	*685.08*	
		For Class 55 Rating, Add	*1,522.70*	
40 05 19 00-3043	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,215.46	1,043.47
		For Class 52 Rating, Deduct	*-1,059.79*	
		For Class 54 Rating, Add	*722.58*	
		For Class 55 Rating, Add	*1,606.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3044	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,718.49	1,045.44
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*760.09*	
		For Class 55 Rating, Add	*1,689.42*	
40 05 19 00-3045	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,221.50	1,047.40
		For Class 52 Rating, Deduct	*-1,169.80*	
		For Class 54 Rating, Add	*797.59*	
		For Class 55 Rating, Add	*1,772.78*	
40 05 19 00-3046	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,724.52	1,049.36
		For Class 52 Rating, Deduct	*-1,224.80*	
		For Class 54 Rating, Add	*835.09*	
		For Class 55 Rating, Add	*1,856.13*	
40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,227.54	1,051.32
		For Class 52 Rating, Deduct	*-1,279.81*	
		For Class 54 Rating, Add	*872.60*	
		For Class 55 Rating, Add	*1,939.49*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,730.55	1,053.28
		For Class 52 Rating, Deduct	*-1,334.81*	
		For Class 54 Rating, Add	*910.10*	
		For Class 55 Rating, Add	*2,022.85*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,233.57	1,055.24
		For Class 52 Rating, Deduct	*-1,389.82*	
		For Class 54 Rating, Add	*947.60*	
		For Class 55 Rating, Add	*2,106.21*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,736.59	1,057.21
		For Class 52 Rating, Deduct	*-1,444.82*	
		For Class 54 Rating, Add	*985.11*	
		For Class 55 Rating, Add	*2,189.56*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,239.60	1,059.16
		For Class 52 Rating, Deduct	*-1,499.83*	
		For Class 54 Rating, Add	*1,022.61*	
		For Class 55 Rating, Add	*2,272.92*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,742.61	1,061.13
		For Class 52 Rating, Deduct	*-1,554.83*	
		For Class 54 Rating, Add	*1,060.11*	
		For Class 55 Rating, Add	*2,356.28*	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,245.64	1,063.09
		For Class 52 Rating, Deduct	*-1,609.84*	
		For Class 54 Rating, Add	*1,097.62*	
		For Class 55 Rating, Add	*2,439.64*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,748.64	1,065.05
		For Class 52 Rating, Deduct	*-1,664.84*	
		For Class 54 Rating, Add	*1,135.12*	
		For Class 55 Rating, Add	*2,522.99*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,251.67	1,067.01
		For Class 52 Rating, Deduct	*-1,719.85*	
		For Class 54 Rating, Add	*1,172.62*	
		For Class 55 Rating, Add	*2,606.35*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,754.68	1,068.98
		For Class 52 Rating, Deduct	*-1,774.85*	
		For Class 54 Rating, Add	*1,210.13*	
		For Class 55 Rating, Add	*2,689.71*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,257.70	1,070.93
		For Class 52 Rating, Deduct	*-1,829.86*	
		For Class 54 Rating, Add	*1,247.63*	
		For Class 55 Rating, Add	*2,773.07*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,760.72	1,072.90
		For Class 52 Rating, Deduct	*-1,884.86*	
		For Class 54 Rating, Add	*1,285.13*	
		For Class 55 Rating, Add	*2,856.42*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,263.74	1,074.86
		For Class 52 Rating, Deduct	*-1,939.87*	
		For Class 54 Rating, Add	*1,322.64*	
		For Class 55 Rating, Add	*2,939.78*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,766.75	1,076.82
		For Class 52 Rating, Deduct	*-1,994.87*	
		For Class 54 Rating, Add	*1,360.14*	
		For Class 55 Rating, Add	*3,023.14*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,269.77	1,078.78
		For Class 52 Rating, Deduct	*-2,049.88*	
		For Class 54 Rating, Add	*1,397.64*	
		For Class 55 Rating, Add	*3,106.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,772.78	1,080.75
		For Class 52 Rating, Deduct	*-2,104.88*	
		For Class 54 Rating, Add	*1,435.15*	
		For Class 55 Rating, Add	*3,189.85*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,275.80	1,082.70
		For Class 52 Rating, Deduct	*-2,159.89*	
		For Class 54 Rating, Add	*1,472.65*	
		For Class 55 Rating, Add	*3,273.21*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,778.82	1,084.67
		For Class 52 Rating, Deduct	*-2,214.89*	
		For Class 54 Rating, Add	*1,510.15*	
		For Class 55 Rating, Add	*3,356.57*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,281.83	1,086.62
		For Class 52 Rating, Deduct	*-2,269.90*	
		For Class 54 Rating, Add	*1,547.66*	
		For Class 55 Rating, Add	*3,439.93*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,784.85	1,088.59
		For Class 52 Rating, Deduct	*-2,324.90*	
		For Class 54 Rating, Add	*1,585.16*	
		For Class 55 Rating, Add	*3,523.28*	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,287.87	1,090.55
		For Class 52 Rating, Deduct	*-2,379.91*	
		For Class 54 Rating, Add	*1,622.66*	
		For Class 55 Rating, Add	*3,606.64*	

40 05 19 00-3068 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2059)*

40 05 19 00-3069 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3070	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	352.47	95.92
		For Class 52 Rating, Deduct	*-22.78*	
		For Class 54 Rating, Add	*15.53*	
		For Class 55 Rating, Add	*34.53*	
40 05 19 00-3071	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	401.58	97.60
		For Class 52 Rating, Deduct	*-27.91*	
		For Class 54 Rating, Add	*19.03*	
		For Class 55 Rating, Add	*42.29*	
40 05 19 00-3072	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	450.69	99.28
		For Class 52 Rating, Deduct	*-33.03*	
		For Class 54 Rating, Add	*22.52*	
		For Class 55 Rating, Add	*50.06*	
40 05 19 00-3073	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	499.80	100.95
		For Class 52 Rating, Deduct	*-38.15*	
		For Class 54 Rating, Add	*26.01*	
		For Class 55 Rating, Add	*57.82*	
40 05 19 00-3074	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	548.92	102.63
		For Class 52 Rating, Deduct	*-43.28*	
		For Class 54 Rating, Add	*29.51*	
		For Class 55 Rating, Add	*65.58*	
40 05 19 00-3075	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	598.03	104.31
		For Class 52 Rating, Deduct	*-48.40*	
		For Class 54 Rating, Add	*33.00*	
		For Class 55 Rating, Add	*73.35*	
40 05 19 00-3076	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	647.14	105.99
		For Class 52 Rating, Deduct	*-53.52*	
		For Class 54 Rating, Add	*36.49*	
		For Class 55 Rating, Add	*81.11*	
40 05 19 00-3077	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	696.26	107.66
		For Class 52 Rating, Deduct	*-58.65*	
		For Class 54 Rating, Add	*39.99*	
		For Class 55 Rating, Add	*88.87*	
40 05 19 00-3078	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	745.37	109.34
		For Class 52 Rating, Deduct	*-63.77*	
		For Class 54 Rating, Add	*43.48*	
		For Class 55 Rating, Add	*96.64*	
40 05 19 00-3079	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	794.49	111.02
		For Class 52 Rating, Deduct	*-68.89*	
		For Class 54 Rating, Add	*46.97*	
		For Class 55 Rating, Add	*104.40*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3080	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	843.60	112.69
		For Class 52 Rating, Deduct	*-74.01*	
		For Class 54 Rating, Add	*50.46*	
		For Class 55 Rating, Add	*112.16*	
40 05 19 00-3081	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	892.72	114.37
		For Class 52 Rating, Deduct	*-79.14*	
		For Class 54 Rating, Add	*53.96*	
		For Class 55 Rating, Add	*119.93*	
40 05 19 00-3082	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	941.83	116.05
		For Class 52 Rating, Deduct	*-84.26*	
		For Class 54 Rating, Add	*57.45*	
		For Class 55 Rating, Add	*127.69*	
40 05 19 00-3083	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	990.94	117.73
		For Class 52 Rating, Deduct	*-89.38*	
		For Class 54 Rating, Add	*60.94*	
		For Class 55 Rating, Add	*135.46*	
40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,040.06	119.40
		For Class 52 Rating, Deduct	*-94.51*	
		For Class 54 Rating, Add	*64.44*	
		For Class 55 Rating, Add	*143.22*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,089.17	121.08
		For Class 52 Rating, Deduct	*-99.63*	
		For Class 54 Rating, Add	*67.93*	
		For Class 55 Rating, Add	*150.98*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,138.28	122.76
		For Class 52 Rating, Deduct	*-104.75*	
		For Class 54 Rating, Add	*71.42*	
		For Class 55 Rating, Add	*158.75*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,187.39	124.44
		For Class 52 Rating, Deduct	*-109.87*	
		For Class 54 Rating, Add	*74.91*	
		For Class 55 Rating, Add	*166.51*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,236.51	126.11
		For Class 52 Rating, Deduct	*-115.00*	
		For Class 54 Rating, Add	*78.41*	
		For Class 55 Rating, Add	*174.27*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,285.62	127.79
		For Class 52 Rating, Deduct	*-120.12*	
		For Class 54 Rating, Add	*81.90*	
		For Class 55 Rating, Add	*182.04*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,334.73	129.47
		For Class 52 Rating, Deduct	*-125.24*	
		For Class 54 Rating, Add	*85.39*	
		For Class 55 Rating, Add	*189.80*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,383.86	131.14
		For Class 52 Rating, Deduct	*-130.37*	
		For Class 54 Rating, Add	*88.89*	
		For Class 55 Rating, Add	*197.57*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,432.97	132.82
		For Class 52 Rating, Deduct	*-135.49*	
		For Class 54 Rating, Add	*92.38*	
		For Class 55 Rating, Add	*205.33*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,482.08	134.49
		For Class 52 Rating, Deduct	*-140.61*	
		For Class 54 Rating, Add	*95.87*	
		For Class 55 Rating, Add	*213.09*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,651.30	136.17
		For Class 52 Rating, Deduct	*-158.95*	
		For Class 54 Rating, Add	*108.37*	
		For Class 55 Rating, Add	*240.88*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,700.42	137.85
		For Class 52 Rating, Deduct	*-164.07*	
		For Class 54 Rating, Add	*111.87*	
		For Class 55 Rating, Add	*248.64*	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,749.53	139.53
		For Class 52 Rating, Deduct	*-169.19*	
		For Class 54 Rating, Add	*115.36*	
		For Class 55 Rating, Add	*256.41*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,798.64	141.21
		For Class 52 Rating, Deduct	*-174.32*	
		For Class 54 Rating, Add	*118.85*	
		For Class 55 Rating, Add	*264.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,847.75	142.88
		For Class 52 Rating, Deduct	*-179.44*	
		For Class 54 Rating, Add	*122.35*	
		For Class 55 Rating, Add	*271.93*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,896.87	144.56
		For Class 52 Rating, Deduct	*-184.56*	
		For Class 54 Rating, Add	*125.84*	
		For Class 55 Rating, Add	*279.70*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,945.98	146.24
		For Class 52 Rating, Deduct	*-189.69*	
		For Class 54 Rating, Add	*129.33*	
		For Class 55 Rating, Add	*287.46*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,995.09	147.92
		For Class 52 Rating, Deduct	*-194.81*	
		For Class 54 Rating, Add	*132.82*	
		For Class 55 Rating, Add	*295.22*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,044.20	149.59
		For Class 52 Rating, Deduct	*-199.93*	
		For Class 54 Rating, Add	*136.32*	
		For Class 55 Rating, Add	*302.99*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,093.33	151.27
		For Class 52 Rating, Deduct	*-205.06*	
		For Class 54 Rating, Add	*139.81*	
		For Class 55 Rating, Add	*310.75*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,142.44	152.95
		For Class 52 Rating, Deduct	*-210.18*	
		For Class 54 Rating, Add	*143.30*	
		For Class 55 Rating, Add	*318.52*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,191.55	154.62
		For Class 52 Rating, Deduct	*-215.30*	
		For Class 54 Rating, Add	*146.80*	
		For Class 55 Rating, Add	*326.28*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,240.67	156.30
		For Class 52 Rating, Deduct	*-220.42*	
		For Class 54 Rating, Add	*150.29*	
		For Class 55 Rating, Add	*334.04*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,289.78	157.98
		For Class 52 Rating, Deduct	*-225.55*	
		For Class 54 Rating, Add	*153.78*	
		For Class 55 Rating, Add	*341.81*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,338.89	159.66
		For Class 52 Rating, Deduct	*-230.67*	
		For Class 54 Rating, Add	*157.28*	
		For Class 55 Rating, Add	*349.57*	

40 05 19 00-3109 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3110	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	434.20	120.75
		For Class 52 Rating, Deduct	*-27.64*	
		For Class 54 Rating, Add	*18.84*	
		For Class 55 Rating, Add	*41.88*	
40 05 19 00-3111	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	490.66	122.43
		For Class 52 Rating, Deduct	*-33.57*	
		For Class 54 Rating, Add	*22.89*	
		For Class 55 Rating, Add	*50.87*	
40 05 19 00-3112	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	547.13	124.10
		For Class 52 Rating, Deduct	*-39.50*	
		For Class 54 Rating, Add	*26.93*	
		For Class 55 Rating, Add	*59.86*	
40 05 19 00-3113	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	603.60	125.78
		For Class 52 Rating, Deduct	*-45.43*	
		For Class 54 Rating, Add	*30.98*	
		For Class 55 Rating, Add	*68.85*	
40 05 19 00-3114	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	660.06	127.46
		For Class 52 Rating, Deduct	*-51.36*	
		For Class 54 Rating, Add	*35.02*	
		For Class 55 Rating, Add	*77.84*	
40 05 19 00-3115	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	716.53	129.13
		For Class 52 Rating, Deduct	*-57.30*	
		For Class 54 Rating, Add	*39.07*	
		For Class 55 Rating, Add	*86.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3116	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	773.01	130.80
		For Class 52 Rating, Deduct	*-63.23*	
		For Class 54 Rating, Add	*43.11*	
		For Class 55 Rating, Add	*95.82*	
40 05 19 00-3117	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	829.47	132.48
		For Class 52 Rating, Deduct	*-69.16*	
		For Class 54 Rating, Add	*47.15*	
		For Class 55 Rating, Add	*104.81*	
40 05 19 00-3118	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	885.94	134.16
		For Class 52 Rating, Deduct	*-75.09*	
		For Class 54 Rating, Add	*51.20*	
		For Class 55 Rating, Add	*113.80*	
40 05 19 00-3119	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	942.41	135.83
		For Class 52 Rating, Deduct	*-81.02*	
		For Class 54 Rating, Add	*55.24*	
		For Class 55 Rating, Add	*122.79*	
40 05 19 00-3120	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	998.87	137.51
		For Class 52 Rating, Deduct	*-86.96*	
		For Class 54 Rating, Add	*59.29*	
		For Class 55 Rating, Add	*131.78*	
40 05 19 00-3121	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,055.34	139.19
		For Class 52 Rating, Deduct	*-92.89*	
		For Class 54 Rating, Add	*63.33*	
		For Class 55 Rating, Add	*140.77*	
40 05 19 00-3122	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,111.80	140.86
		For Class 52 Rating, Deduct	*-98.82*	
		For Class 54 Rating, Add	*67.38*	
		For Class 55 Rating, Add	*149.76*	
40 05 19 00-3123	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,168.27	142.54
		For Class 52 Rating, Deduct	*-104.75*	
		For Class 54 Rating, Add	*71.42*	
		For Class 55 Rating, Add	*158.75*	
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,224.74	144.22
		For Class 52 Rating, Deduct	*-110.68*	
		For Class 54 Rating, Add	*75.47*	
		For Class 55 Rating, Add	*167.74*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,281.20	145.90
		For Class 52 Rating, Deduct	*-116.62*	
		For Class 54 Rating, Add	*79.51*	
		For Class 55 Rating, Add	*176.73*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,337.67	147.57
		For Class 52 Rating, Deduct	*-122.55*	
		For Class 54 Rating, Add	*83.56*	
		For Class 55 Rating, Add	*185.72*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,394.14	149.25
		For Class 52 Rating, Deduct	*-128.48*	
		For Class 54 Rating, Add	*87.60*	
		For Class 55 Rating, Add	*194.71*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,450.61	150.93
		For Class 52 Rating, Deduct	*-134.41*	
		For Class 54 Rating, Add	*91.64*	
		For Class 55 Rating, Add	*203.69*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,507.08	152.61
		For Class 52 Rating, Deduct	*-140.34*	
		For Class 54 Rating, Add	*95.69*	
		For Class 55 Rating, Add	*212.68*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,563.55	154.29
		For Class 52 Rating, Deduct	*-146.28*	
		For Class 54 Rating, Add	*99.73*	
		For Class 55 Rating, Add	*221.67*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,620.01	155.96
		For Class 52 Rating, Deduct	*-152.21*	
		For Class 54 Rating, Add	*103.78*	
		For Class 55 Rating, Add	*230.66*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,676.48	157.64
		For Class 52 Rating, Deduct	*-158.14*	
		For Class 54 Rating, Add	*107.82*	
		For Class 55 Rating, Add	*239.65*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,732.95	159.32
		For Class 52 Rating, Deduct	*-164.07*	
		For Class 54 Rating, Add	*111.87*	
		For Class 55 Rating, Add	*248.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,789.41	161.00
		For Class 52 Rating, Deduct	*-170.00*	
		For Class 54 Rating, Add	*115.91*	
		For Class 55 Rating, Add	*257.63*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,845.88	162.68
		For Class 52 Rating, Deduct	*-175.94*	
		For Class 54 Rating, Add	*119.96*	
		For Class 55 Rating, Add	*266.62*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,902.34	164.35
		For Class 52 Rating, Deduct	*-181.87*	
		For Class 54 Rating, Add	*124.00*	
		For Class 55 Rating, Add	*275.61*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,958.81	166.03
		For Class 52 Rating, Deduct	*-187.80*	
		For Class 54 Rating, Add	*128.04*	
		For Class 55 Rating, Add	*284.60*	
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,015.28	167.71
		For Class 52 Rating, Deduct	*-193.73*	
		For Class 54 Rating, Add	*132.09*	
		For Class 55 Rating, Add	*293.59*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,071.74	169.38
		For Class 52 Rating, Deduct	*-199.66*	
		For Class 54 Rating, Add	*136.13*	
		For Class 55 Rating, Add	*302.58*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,128.22	171.05
		For Class 52 Rating, Deduct	*-205.59*	
		For Class 54 Rating, Add	*140.18*	
		For Class 55 Rating, Add	*311.57*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,184.69	172.73
		For Class 52 Rating, Deduct	*-211.53*	
		For Class 54 Rating, Add	*144.22*	
		For Class 55 Rating, Add	*320.56*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,241.15	174.41
		For Class 52 Rating, Deduct	*-217.46*	
		For Class 54 Rating, Add	*148.27*	
		For Class 55 Rating, Add	*329.55*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,297.62	176.09
		For Class 52 Rating, Deduct	*-223.39*	
		For Class 54 Rating, Add	*152.31*	
		For Class 55 Rating, Add	*338.54*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,354.09	177.76
		For Class 52 Rating, Deduct	*-229.32*	
		For Class 54 Rating, Add	*156.36*	
		For Class 55 Rating, Add	*347.53*	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,410.55	179.44
		For Class 52 Rating, Deduct	*-235.25*	
		For Class 54 Rating, Add	*160.40*	
		For Class 55 Rating, Add	*356.52*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,467.02	181.12
		For Class 52 Rating, Deduct	*-241.19*	
		For Class 54 Rating, Add	*164.45*	
		For Class 55 Rating, Add	*365.51*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,523.48	182.79
		For Class 52 Rating, Deduct	*-247.12*	
		For Class 54 Rating, Add	*168.49*	
		For Class 55 Rating, Add	*374.49*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,579.95	184.47
		For Class 52 Rating, Deduct	*-253.05*	
		For Class 54 Rating, Add	*172.53*	
		For Class 55 Rating, Add	*383.49*	

40 05 19 00-3149 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3150	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	587.97	154.29
		For Class 52 Rating, Deduct	*-38.96*	
		For Class 54 Rating, Add	*26.57*	
		For Class 55 Rating, Add	*59.05*	
40 05 19 00-3151	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	660.37	155.96
		For Class 52 Rating, Deduct	*-46.65*	
		For Class 54 Rating, Add	*31.80*	
		For Class 55 Rating, Add	*70.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	732.77	157.64
		For Class 52 Rating, Deduct	*-54.33*	
		For Class 54 Rating, Add	*37.04*	
		For Class 55 Rating, Add	*82.34*	
40 05 19 00-3153	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	805.17	159.32
		For Class 52 Rating, Deduct	*-62.02*	
		For Class 54 Rating, Add	*42.28*	
		For Class 55 Rating, Add	*93.98*	
40 05 19 00-3154	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	877.57	161.00
		For Class 52 Rating, Deduct	*-69.70*	
		For Class 54 Rating, Add	*47.52*	
		For Class 55 Rating, Add	*105.63*	
40 05 19 00-3155	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	949.96	162.68
		For Class 52 Rating, Deduct	*-77.38*	
		For Class 54 Rating, Add	*52.76*	
		For Class 55 Rating, Add	*117.27*	
40 05 19 00-3156	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,022.36	164.35
		For Class 52 Rating, Deduct	*-85.07*	
		For Class 54 Rating, Add	*58.00*	
		For Class 55 Rating, Add	*128.92*	
40 05 19 00-3157	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,094.76	166.03
		For Class 52 Rating, Deduct	*-92.75*	
		For Class 54 Rating, Add	*63.24*	
		For Class 55 Rating, Add	*140.56*	
40 05 19 00-3158	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,167.16	167.71
		For Class 52 Rating, Deduct	*-100.44*	
		For Class 54 Rating, Add	*68.48*	
		For Class 55 Rating, Add	*152.21*	
40 05 19 00-3159	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,239.56	169.38
		For Class 52 Rating, Deduct	*-108.12*	
		For Class 54 Rating, Add	*73.72*	
		For Class 55 Rating, Add	*163.85*	
40 05 19 00-3160	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,311.97	171.05
		For Class 52 Rating, Deduct	*-115.81*	
		For Class 54 Rating, Add	*78.96*	
		For Class 55 Rating, Add	*175.50*	
40 05 19 00-3161	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,384.37	172.73
		For Class 52 Rating, Deduct	*-123.49*	
		For Class 54 Rating, Add	*84.20*	
		For Class 55 Rating, Add	*187.15*	
40 05 19 00-3162	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,456.77	174.41
		For Class 52 Rating, Deduct	*-131.18*	
		For Class 54 Rating, Add	*89.44*	
		For Class 55 Rating, Add	*198.79*	
40 05 19 00-3163	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,529.17	176.09
		For Class 52 Rating, Deduct	*-138.86*	
		For Class 54 Rating, Add	*94.68*	
		For Class 55 Rating, Add	*210.44*	
40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,601.57	177.76
		For Class 52 Rating, Deduct	*-146.55*	
		For Class 54 Rating, Add	*99.92*	
		For Class 55 Rating, Add	*222.08*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,673.97	179.44
		For Class 52 Rating, Deduct	*-154.23*	
		For Class 54 Rating, Add	*105.16*	
		For Class 55 Rating, Add	*233.73*	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,746.37	181.12
		For Class 52 Rating, Deduct	*-161.91*	
		For Class 54 Rating, Add	*110.40*	
		For Class 55 Rating, Add	*245.37*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,818.76	182.79
		For Class 52 Rating, Deduct	*-169.60*	
		For Class 54 Rating, Add	*115.64*	
		For Class 55 Rating, Add	*257.02*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,891.16	184.47
		For Class 52 Rating, Deduct	*-177.28*	
		For Class 54 Rating, Add	*120.87*	
		For Class 55 Rating, Add	*268.66*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,963.56	186.15
		For Class 52 Rating, Deduct	*-184.97*	
		For Class 54 Rating, Add	*126.11*	
		For Class 55 Rating, Add	*280.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,035.96	187.83
		For Class 52 Rating, Deduct	*-192.65*	
		For Class 54 Rating, Add	*131.35*	
		For Class 55 Rating, Add	*291.96*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,108.36	189.50
		For Class 52 Rating, Deduct	*-200.34*	
		For Class 54 Rating, Add	*136.59*	
		For Class 55 Rating, Add	*303.60*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,180.77	191.18
		For Class 52 Rating, Deduct	*-208.02*	
		For Class 54 Rating, Add	*141.83*	
		For Class 55 Rating, Add	*315.25*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,253.17	192.86
		For Class 52 Rating, Deduct	*-215.71*	
		For Class 54 Rating, Add	*147.07*	
		For Class 55 Rating, Add	*326.89*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,325.57	194.54
		For Class 52 Rating, Deduct	*-223.39*	
		For Class 54 Rating, Add	*152.31*	
		For Class 55 Rating, Add	*338.54*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,397.97	196.21
		For Class 52 Rating, Deduct	*-231.07*	
		For Class 54 Rating, Add	*157.55*	
		For Class 55 Rating, Add	*350.18*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,470.37	197.89
		For Class 52 Rating, Deduct	*-238.76*	
		For Class 54 Rating, Add	*162.79*	
		For Class 55 Rating, Add	*361.83*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,542.77	199.57
		For Class 52 Rating, Deduct	*-246.44*	
		For Class 54 Rating, Add	*168.03*	
		For Class 55 Rating, Add	*373.47*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,615.17	201.24
		For Class 52 Rating, Deduct	*-254.13*	
		For Class 54 Rating, Add	*173.27*	
		For Class 55 Rating, Add	*385.12*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,687.57	202.92
		For Class 52 Rating, Deduct	*-261.81*	
		For Class 54 Rating, Add	*178.51*	
		For Class 55 Rating, Add	*396.77*	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,759.96	204.60
		For Class 52 Rating, Deduct	*-269.50*	
		For Class 54 Rating, Add	*183.75*	
		For Class 55 Rating, Add	*408.41*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,832.36	206.27
		For Class 52 Rating, Deduct	*-277.18*	
		For Class 54 Rating, Add	*188.99*	
		For Class 55 Rating, Add	*420.06*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,904.76	207.94
		For Class 52 Rating, Deduct	*-284.87*	
		For Class 54 Rating, Add	*194.23*	
		For Class 55 Rating, Add	*431.70*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,977.16	209.62
		For Class 52 Rating, Deduct	*-292.55*	
		For Class 54 Rating, Add	*199.47*	
		For Class 55 Rating, Add	*443.35*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,049.57	211.30
		For Class 52 Rating, Deduct	*-300.24*	
		For Class 54 Rating, Add	*204.71*	
		For Class 55 Rating, Add	*454.99*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,121.97	212.98
		For Class 52 Rating, Deduct	*-307.92*	
		For Class 54 Rating, Add	*209.95*	
		For Class 55 Rating, Add	*466.64*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,194.37	214.65
		For Class 52 Rating, Deduct	*-315.60*	
		For Class 54 Rating, Add	*215.18*	
		For Class 55 Rating, Add	*478.28*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,266.77	216.33
		For Class 52 Rating, Deduct	*-323.29*	
		For Class 54 Rating, Add	*220.42*	
		For Class 55 Rating, Add	*489.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,339.17	218.01
		For Class 52 Rating, Deduct	*-330.97*	
		For Class 54 Rating, Add	*225.66*	
		For Class 55 Rating, Add	*501.58*	

40 05 19 00-3189 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3190	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	739.28	187.83
		For Class 52 Rating, Deduct	*-50.02*	
		For Class 54 Rating, Add	*34.10*	
		For Class 55 Rating, Add	*75.80*	
40 05 19 00-3191	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	832.51	189.50
		For Class 52 Rating, Deduct	*-59.99*	
		For Class 54 Rating, Add	*40.90*	
		For Class 55 Rating, Add	*90.92*	
40 05 19 00-3192	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	925.76	191.18
		For Class 52 Rating, Deduct	*-69.97*	
		For Class 54 Rating, Add	*47.71*	
		For Class 55 Rating, Add	*106.04*	
40 05 19 00-3193	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,018.99	192.86
		For Class 52 Rating, Deduct	*-79.95*	
		For Class 54 Rating, Add	*54.51*	
		For Class 55 Rating, Add	*121.15*	
40 05 19 00-3194	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,112.23	194.54
		For Class 52 Rating, Deduct	*-89.92*	
		For Class 54 Rating, Add	*61.31*	
		For Class 55 Rating, Add	*136.27*	
40 05 19 00-3195	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,205.46	196.21
		For Class 52 Rating, Deduct	*-99.90*	
		For Class 54 Rating, Add	*68.11*	
		For Class 55 Rating, Add	*151.39*	
40 05 19 00-3196	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,298.69	197.89
		For Class 52 Rating, Deduct	*-109.87*	
		For Class 54 Rating, Add	*74.91*	
		For Class 55 Rating, Add	*166.51*	
40 05 19 00-3197	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,391.93	199.57
		For Class 52 Rating, Deduct	*-119.85*	
		For Class 54 Rating, Add	*81.72*	
		For Class 55 Rating, Add	*181.63*	
40 05 19 00-3198	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,485.16	201.24
		For Class 52 Rating, Deduct	*-129.83*	
		For Class 54 Rating, Add	*88.52*	
		For Class 55 Rating, Add	*196.75*	
40 05 19 00-3199	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,578.40	202.92
		For Class 52 Rating, Deduct	*-139.80*	
		For Class 54 Rating, Add	*95.32*	
		For Class 55 Rating, Add	*211.87*	
40 05 19 00-3200	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,671.63	204.60
		For Class 52 Rating, Deduct	*-149.78*	
		For Class 54 Rating, Add	*102.12*	
		For Class 55 Rating, Add	*226.99*	
40 05 19 00-3201	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,764.87	206.27
		For Class 52 Rating, Deduct	*-159.76*	
		For Class 54 Rating, Add	*108.93*	
		For Class 55 Rating, Add	*242.11*	
40 05 19 00-3202	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,858.10	207.94
		For Class 52 Rating, Deduct	*-169.73*	
		For Class 54 Rating, Add	*115.73*	
		For Class 55 Rating, Add	*257.22*	
40 05 19 00-3203	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,951.33	209.62
		For Class 52 Rating, Deduct	*-179.71*	
		For Class 54 Rating, Add	*122.53*	
		For Class 55 Rating, Add	*272.34*	
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,044.58	211.30
		For Class 52 Rating, Deduct	*-189.69*	
		For Class 54 Rating, Add	*129.33*	
		For Class 55 Rating, Add	*287.46*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,137.81	212.98
		For Class 52 Rating, Deduct	*-199.66*	
		For Class 54 Rating, Add	*136.13*	
		For Class 55 Rating, Add	*302.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,231.05	214.65
		For Class 52 Rating, Deduct	*-209.64*	
		For Class 54 Rating, Add	*142.94*	
		For Class 55 Rating, Add	*317.70*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,324.28	216.33
		For Class 52 Rating, Deduct	*-219.62*	
		For Class 54 Rating, Add	*149.74*	
		For Class 55 Rating, Add	*332.82*	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,417.52	218.01
		For Class 52 Rating, Deduct	*-229.59*	
		For Class 54 Rating, Add	*156.54*	
		For Class 55 Rating, Add	*347.94*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,510.75	219.69
		For Class 52 Rating, Deduct	*-239.57*	
		For Class 54 Rating, Add	*163.34*	
		For Class 55 Rating, Add	*363.05*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,603.99	221.37
		For Class 52 Rating, Deduct	*-249.54*	
		For Class 54 Rating, Add	*170.14*	
		For Class 55 Rating, Add	*378.17*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,697.22	223.04
		For Class 52 Rating, Deduct	*-259.52*	
		For Class 54 Rating, Add	*176.95*	
		For Class 55 Rating, Add	*393.29*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,790.45	224.72
		For Class 52 Rating, Deduct	*-269.50*	
		For Class 54 Rating, Add	*183.75*	
		For Class 55 Rating, Add	*408.41*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,883.69	226.40
		For Class 52 Rating, Deduct	*-279.47*	
		For Class 54 Rating, Add	*190.55*	
		For Class 55 Rating, Add	*423.53*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,976.92	228.08
		For Class 52 Rating, Deduct	*-289.45*	
		For Class 54 Rating, Add	*197.35*	
		For Class 55 Rating, Add	*438.65*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,070.16	229.76
		For Class 52 Rating, Deduct	*-299.43*	
		For Class 54 Rating, Add	*204.15*	
		For Class 55 Rating, Add	*453.77*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,163.40	231.43
		For Class 52 Rating, Deduct	*-309.40*	
		For Class 54 Rating, Add	*210.96*	
		For Class 55 Rating, Add	*468.89*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,256.64	233.11
		For Class 52 Rating, Deduct	*-319.38*	
		For Class 54 Rating, Add	*217.76*	
		For Class 55 Rating, Add	*484.01*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,349.87	234.79
		For Class 52 Rating, Deduct	*-329.36*	
		For Class 54 Rating, Add	*224.56*	
		For Class 55 Rating, Add	*499.12*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,443.11	236.47
		For Class 52 Rating, Deduct	*-339.33*	
		For Class 54 Rating, Add	*231.36*	
		For Class 55 Rating, Add	*514.24*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,536.34	238.14
		For Class 52 Rating, Deduct	*-349.31*	
		For Class 54 Rating, Add	*238.16*	
		For Class 55 Rating, Add	*529.36*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,629.57	239.82
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*244.97*	
		For Class 55 Rating, Add	*544.48*	
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,722.81	241.50
		For Class 52 Rating, Deduct	*-369.26*	
		For Class 54 Rating, Add	*251.77*	
		For Class 55 Rating, Add	*559.60*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,816.04	243.16
		For Class 52 Rating, Deduct	*-379.24*	
		For Class 54 Rating, Add	*258.57*	
		For Class 55 Rating, Add	*574.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,909.28	244.84
		For Class 52 Rating, Deduct	*-389.21*	
		For Class 54 Rating, Add	*265.37*	
		For Class 55 Rating, Add	*589.84*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,002.51	246.52
		For Class 52 Rating, Deduct	*-399.19*	
		For Class 54 Rating, Add	*272.18*	
		For Class 55 Rating, Add	*604.95*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,095.76	248.20
		For Class 52 Rating, Deduct	*-409.17*	
		For Class 54 Rating, Add	*278.98*	
		For Class 55 Rating, Add	*620.07*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,188.99	249.87
		For Class 52 Rating, Deduct	*-419.14*	
		For Class 54 Rating, Add	*285.78*	
		For Class 55 Rating, Add	*635.19*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,282.23	251.55
		For Class 52 Rating, Deduct	*-429.12*	
		For Class 54 Rating, Add	*292.58*	
		For Class 55 Rating, Add	*650.31*	
40 05 19 00-3229		**12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-3068)*		
40 05 19 00-3230	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	956.27	234.79
		For Class 52 Rating, Deduct	*-66.06*	
		For Class 54 Rating, Add	*45.04*	
		For Class 55 Rating, Add	*100.11*	
40 05 19 00-3231	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,071.57	236.47
		For Class 52 Rating, Deduct	*-78.46*	
		For Class 54 Rating, Add	*53.50*	
		For Class 55 Rating, Add	*118.91*	
40 05 19 00-3232	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,186.86	238.14
		For Class 52 Rating, Deduct	*-90.87*	
		For Class 54 Rating, Add	*61.95*	
		For Class 55 Rating, Add	*137.70*	
40 05 19 00-3233	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,302.16	239.82
		For Class 52 Rating, Deduct	*-103.27*	
		For Class 54 Rating, Add	*70.41*	
		For Class 55 Rating, Add	*156.50*	
40 05 19 00-3234	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,417.45	241.50
		For Class 52 Rating, Deduct	*-115.67*	
		For Class 54 Rating, Add	*78.87*	
		For Class 55 Rating, Add	*175.30*	
40 05 19 00-3235	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,532.75	243.16
		For Class 52 Rating, Deduct	*-128.08*	
		For Class 54 Rating, Add	*87.32*	
		For Class 55 Rating, Add	*194.09*	
40 05 19 00-3236	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,648.05	244.84
		For Class 52 Rating, Deduct	*-140.48*	
		For Class 54 Rating, Add	*95.78*	
		For Class 55 Rating, Add	*212.89*	
40 05 19 00-3237	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,763.34	246.52
		For Class 52 Rating, Deduct	*-152.88*	
		For Class 54 Rating, Add	*104.24*	
		For Class 55 Rating, Add	*231.68*	
40 05 19 00-3238	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,878.65	248.20
		For Class 52 Rating, Deduct	*-165.28*	
		For Class 54 Rating, Add	*112.69*	
		For Class 55 Rating, Add	*250.48*	
40 05 19 00-3239	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,993.94	249.87
		For Class 52 Rating, Deduct	*-177.69*	
		For Class 54 Rating, Add	*121.15*	
		For Class 55 Rating, Add	*269.28*	
40 05 19 00-3240	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,109.25	251.55
		For Class 52 Rating, Deduct	*-190.09*	
		For Class 54 Rating, Add	*129.61*	
		For Class 55 Rating, Add	*288.07*	
40 05 19 00-3241	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,224.54	253.23
		For Class 52 Rating, Deduct	*-202.49*	
		For Class 54 Rating, Add	*138.06*	
		For Class 55 Rating, Add	*306.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3242	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,339.84	254.90
		For Class 52 Rating, Deduct	*-214.90*	
		For Class 54 Rating, Add	*146.52*	
		For Class 55 Rating, Add	*325.67*	
40 05 19 00-3243	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,455.13	256.58
		For Class 52 Rating, Deduct	*-227.30*	
		For Class 54 Rating, Add	*154.98*	
		For Class 55 Rating, Add	*344.46*	
40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,570.43	258.26
		For Class 52 Rating, Deduct	*-239.70*	
		For Class 54 Rating, Add	*163.43*	
		For Class 55 Rating, Add	*363.26*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,685.72	259.94
		For Class 52 Rating, Deduct	*-252.11*	
		For Class 54 Rating, Add	*171.89*	
		For Class 55 Rating, Add	*382.05*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,801.02	261.61
		For Class 52 Rating, Deduct	*-264.51*	
		For Class 54 Rating, Add	*180.35*	
		For Class 55 Rating, Add	*400.85*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,916.31	263.29
		For Class 52 Rating, Deduct	*-276.91*	
		For Class 54 Rating, Add	*188.80*	
		For Class 55 Rating, Add	*419.65*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,031.61	264.97
		For Class 52 Rating, Deduct	*-289.32*	
		For Class 54 Rating, Add	*197.26*	
		For Class 55 Rating, Add	*438.44*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,146.90	266.64
		For Class 52 Rating, Deduct	*-301.72*	
		For Class 54 Rating, Add	*205.72*	
		For Class 55 Rating, Add	*457.24*	
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,262.20	268.32
		For Class 52 Rating, Deduct	*-314.12*	
		For Class 54 Rating, Add	*214.17*	
		For Class 55 Rating, Add	*476.04*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,377.49	270.00
		For Class 52 Rating, Deduct	*-326.52*	
		For Class 54 Rating, Add	*222.63*	
		For Class 55 Rating, Add	*494.83*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,492.80	271.68
		For Class 52 Rating, Deduct	*-338.93*	
		For Class 54 Rating, Add	*231.09*	
		For Class 55 Rating, Add	*513.63*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,608.09	273.35
		For Class 52 Rating, Deduct	*-351.33*	
		For Class 54 Rating, Add	*239.54*	
		For Class 55 Rating, Add	*532.42*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,723.39	275.03
		For Class 52 Rating, Deduct	*-363.73*	
		For Class 54 Rating, Add	*248.00*	
		For Class 55 Rating, Add	*551.22*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,838.68	276.71
		For Class 52 Rating, Deduct	*-376.14*	
		For Class 54 Rating, Add	*256.46*	
		For Class 55 Rating, Add	*570.02*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,953.98	278.39
		For Class 52 Rating, Deduct	*-388.54*	
		For Class 54 Rating, Add	*264.91*	
		For Class 55 Rating, Add	*588.81*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,069.27	280.06
		For Class 52 Rating, Deduct	*-400.94*	
		For Class 54 Rating, Add	*273.37*	
		For Class 55 Rating, Add	*607.61*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,184.57	281.73
		For Class 52 Rating, Deduct	*-413.35*	
		For Class 54 Rating, Add	*281.83*	
		For Class 55 Rating, Add	*626.41*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,299.86	283.41
		For Class 52 Rating, Deduct	*-425.75*	
		For Class 54 Rating, Add	*290.28*	
		For Class 55 Rating, Add	*645.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,415.16	285.09
		For Class 52 Rating, Deduct	*-438.15*	
		For Class 54 Rating, Add	*298.74*	
		For Class 55 Rating, Add	*664.00*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,530.46	286.77
		For Class 52 Rating, Deduct	*-450.56*	
		For Class 54 Rating, Add	*307.20*	
		For Class 55 Rating, Add	*682.80*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,645.75	288.45
		For Class 52 Rating, Deduct	*-462.96*	
		For Class 54 Rating, Add	*315.65*	
		For Class 55 Rating, Add	*701.59*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,761.05	290.12
		For Class 52 Rating, Deduct	*-475.36*	
		For Class 54 Rating, Add	*324.11*	
		For Class 55 Rating, Add	*720.39*	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,876.35	291.80
		For Class 52 Rating, Deduct	*-487.76*	
		For Class 54 Rating, Add	*332.57*	
		For Class 55 Rating, Add	*739.18*	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,991.65	293.48
		For Class 52 Rating, Deduct	*-500.17*	
		For Class 54 Rating, Add	*341.02*	
		For Class 55 Rating, Add	*757.98*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,106.94	295.16
		For Class 52 Rating, Deduct	*-512.57*	
		For Class 54 Rating, Add	*349.48*	
		For Class 55 Rating, Add	*776.78*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,222.24	296.83
		For Class 52 Rating, Deduct	*-524.97*	
		For Class 54 Rating, Add	*357.94*	
		For Class 55 Rating, Add	*795.57*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,337.53	298.51
		For Class 52 Rating, Deduct	*-537.38*	
		For Class 54 Rating, Add	*366.39*	
		For Class 55 Rating, Add	*814.37*	

40 05 19 00-3269 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3270	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,273.77	281.73
		For Class 52 Rating, Deduct	*-93.16*	
		For Class 54 Rating, Add	*63.52*	
		For Class 55 Rating, Add	*141.18*	
40 05 19 00-3271	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,413.58	283.41
		For Class 52 Rating, Deduct	*-108.26*	
		For Class 54 Rating, Add	*73.81*	
		For Class 55 Rating, Add	*164.06*	
40 05 19 00-3272	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,553.38	285.09
		For Class 52 Rating, Deduct	*-123.36*	
		For Class 54 Rating, Add	*84.11*	
		For Class 55 Rating, Add	*186.94*	
40 05 19 00-3273	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,693.19	286.77
		For Class 52 Rating, Deduct	*-138.46*	
		For Class 54 Rating, Add	*94.40*	
		For Class 55 Rating, Add	*209.82*	
40 05 19 00-3274	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,833.00	288.45
		For Class 52 Rating, Deduct	*-153.56*	
		For Class 54 Rating, Add	*104.70*	
		For Class 55 Rating, Add	*232.71*	
40 05 19 00-3275	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,972.81	290.12
		For Class 52 Rating, Deduct	*-168.66*	
		For Class 54 Rating, Add	*114.99*	
		For Class 55 Rating, Add	*255.59*	
40 05 19 00-3276	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,112.62	291.80
		For Class 52 Rating, Deduct	*-183.75*	
		For Class 54 Rating, Add	*125.29*	
		For Class 55 Rating, Add	*278.47*	
40 05 19 00-3277	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,252.43	293.48
		For Class 52 Rating, Deduct	*-198.85*	
		For Class 54 Rating, Add	*135.58*	
		For Class 55 Rating, Add	*301.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,392.24	295.16
		For Class 52 Rating, Deduct	*-213.95*	
		For Class 54 Rating, Add	*145.88*	
		For Class 55 Rating, Add	*324.24*	
40 05 19 00-3279	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,532.04	296.83
		For Class 52 Rating, Deduct	*-229.05*	
		For Class 54 Rating, Add	*156.17*	
		For Class 55 Rating, Add	*347.12*	
40 05 19 00-3280	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,671.85	298.51
		For Class 52 Rating, Deduct	*-244.15*	
		For Class 54 Rating, Add	*166.47*	
		For Class 55 Rating, Add	*370.00*	
40 05 19 00-3281	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,811.66	300.19
		For Class 52 Rating, Deduct	*-259.25*	
		For Class 54 Rating, Add	*176.76*	
		For Class 55 Rating, Add	*392.88*	
40 05 19 00-3282	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,951.47	301.87
		For Class 52 Rating, Deduct	*-274.35*	
		For Class 54 Rating, Add	*187.06*	
		For Class 55 Rating, Add	*415.77*	
40 05 19 00-3283	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,091.27	303.54
		For Class 52 Rating, Deduct	*-289.45*	
		For Class 54 Rating, Add	*197.35*	
		For Class 55 Rating, Add	*438.65*	
40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,231.08	305.22
		For Class 52 Rating, Deduct	*-304.55*	
		For Class 54 Rating, Add	*207.65*	
		For Class 55 Rating, Add	*461.53*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,370.89	306.90
		For Class 52 Rating, Deduct	*-319.65*	
		For Class 54 Rating, Add	*217.94*	
		For Class 55 Rating, Add	*484.41*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,510.69	308.57
		For Class 52 Rating, Deduct	*-334.75*	
		For Class 54 Rating, Add	*228.24*	
		For Class 55 Rating, Add	*507.29*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,650.50	310.25
		For Class 52 Rating, Deduct	*-349.85*	
		For Class 54 Rating, Add	*238.53*	
		For Class 55 Rating, Add	*530.18*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,790.32	311.93
		For Class 52 Rating, Deduct	*-364.95*	
		For Class 54 Rating, Add	*248.83*	
		For Class 55 Rating, Add	*553.06*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,930.13	313.61
		For Class 52 Rating, Deduct	*-380.05*	
		For Class 54 Rating, Add	*259.12*	
		For Class 55 Rating, Add	*575.94*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,069.93	315.28
		For Class 52 Rating, Deduct	*-395.15*	
		For Class 54 Rating, Add	*269.42*	
		For Class 55 Rating, Add	*598.82*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,209.74	316.96
		For Class 52 Rating, Deduct	*-410.25*	
		For Class 54 Rating, Add	*279.71*	
		For Class 55 Rating, Add	*621.71*	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,349.55	318.63
		For Class 52 Rating, Deduct	*-425.34*	
		For Class 54 Rating, Add	*290.01*	
		For Class 55 Rating, Add	*644.59*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,489.36	320.31
		For Class 52 Rating, Deduct	*-440.44*	
		For Class 54 Rating, Add	*300.30*	
		For Class 55 Rating, Add	*667.47*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,629.16	321.98
		For Class 52 Rating, Deduct	*-455.54*	
		For Class 54 Rating, Add	*310.60*	
		For Class 55 Rating, Add	*690.35*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,768.97	323.66
		For Class 52 Rating, Deduct	*-470.64*	
		For Class 54 Rating, Add	*320.89*	
		For Class 55 Rating, Add	*713.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,908.78	325.34
		For Class 52 Rating, Deduct	*-485.74*	
		For Class 54 Rating, Add	*331.19*	
		For Class 55 Rating, Add	*736.12*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,048.58	327.01
		For Class 52 Rating, Deduct	*-500.84*	
		For Class 54 Rating, Add	*341.48*	
		For Class 55 Rating, Add	*759.00*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,188.39	328.69
		For Class 52 Rating, Deduct	*-515.94*	
		For Class 54 Rating, Add	*351.78*	
		For Class 55 Rating, Add	*781.88*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,328.20	330.37
		For Class 52 Rating, Deduct	*-531.04*	
		For Class 54 Rating, Add	*362.07*	
		For Class 55 Rating, Add	*804.77*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,468.02	332.05
		For Class 52 Rating, Deduct	*-546.14*	
		For Class 54 Rating, Add	*372.37*	
		For Class 55 Rating, Add	*827.65*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,607.82	333.72
		For Class 52 Rating, Deduct	*-561.24*	
		For Class 54 Rating, Add	*382.66*	
		For Class 55 Rating, Add	*850.53*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,747.63	335.40
		For Class 52 Rating, Deduct	*-576.34*	
		For Class 54 Rating, Add	*392.96*	
		For Class 55 Rating, Add	*873.41*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,887.44	337.08
		For Class 52 Rating, Deduct	*-591.44*	
		For Class 54 Rating, Add	*403.25*	
		For Class 55 Rating, Add	*896.30*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,027.24	338.76
		For Class 52 Rating, Deduct	*-606.54*	
		For Class 54 Rating, Add	*413.55*	
		For Class 55 Rating, Add	*919.18*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,167.05	340.43
		For Class 52 Rating, Deduct	*-621.64*	
		For Class 54 Rating, Add	*423.84*	
		For Class 55 Rating, Add	*942.06*	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,306.86	342.11
		For Class 52 Rating, Deduct	*-636.74*	
		For Class 54 Rating, Add	*434.14*	
		For Class 55 Rating, Add	*964.94*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,446.67	343.79
		For Class 52 Rating, Deduct	*-651.84*	
		For Class 54 Rating, Add	*444.43*	
		For Class 55 Rating, Add	*987.83*	

40 05 19 00-3308 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3309	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,486.72	321.98
		For Class 52 Rating, Deduct	*-109.87*	
		For Class 54 Rating, Add	*74.91*	
		For Class 55 Rating, Add	*166.51*	
40 05 19 00-3310	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,648.59	323.66
		For Class 52 Rating, Deduct	*-127.40*	
		For Class 54 Rating, Add	*86.86*	
		For Class 55 Rating, Add	*193.07*	
40 05 19 00-3311	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,810.46	325.34
		For Class 52 Rating, Deduct	*-144.93*	
		For Class 54 Rating, Add	*98.81*	
		For Class 55 Rating, Add	*219.63*	
40 05 19 00-3312	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,972.33	327.01
		For Class 52 Rating, Deduct	*-162.45*	
		For Class 54 Rating, Add	*110.76*	
		For Class 55 Rating, Add	*246.19*	
40 05 19 00-3313	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,134.20	328.69
		For Class 52 Rating, Deduct	*-179.98*	
		For Class 54 Rating, Add	*122.71*	
		For Class 55 Rating, Add	*272.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3314	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,296.06	330.37
		For Class 52 Rating, Deduct	*-197.51*	
		For Class 54 Rating, Add	*134.66*	
		For Class 55 Rating, Add	*299.31*	
40 05 19 00-3315	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,457.94	332.05
		For Class 52 Rating, Deduct	*-215.03*	
		For Class 54 Rating, Add	*146.61*	
		For Class 55 Rating, Add	*325.87*	
40 05 19 00-3316	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,619.81	333.72
		For Class 52 Rating, Deduct	*-232.56*	
		For Class 54 Rating, Add	*158.56*	
		For Class 55 Rating, Add	*352.43*	
40 05 19 00-3317	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,781.68	335.40
		For Class 52 Rating, Deduct	*-250.08*	
		For Class 54 Rating, Add	*170.51*	
		For Class 55 Rating, Add	*378.99*	
40 05 19 00-3318	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,943.55	337.08
		For Class 52 Rating, Deduct	*-267.61*	
		For Class 54 Rating, Add	*182.46*	
		For Class 55 Rating, Add	*405.55*	
40 05 19 00-3319	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,105.41	338.76
		For Class 52 Rating, Deduct	*-285.14*	
		For Class 54 Rating, Add	*194.41*	
		For Class 55 Rating, Add	*432.11*	
40 05 19 00-3320	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,267.28	340.43
		For Class 52 Rating, Deduct	*-302.66*	
		For Class 54 Rating, Add	*206.36*	
		For Class 55 Rating, Add	*458.67*	
40 05 19 00-3321	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,429.15	342.11
		For Class 52 Rating, Deduct	*-320.19*	
		For Class 54 Rating, Add	*218.31*	
		For Class 55 Rating, Add	*485.23*	
40 05 19 00-3322	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,591.02	343.79
		For Class 52 Rating, Deduct	*-337.71*	
		For Class 54 Rating, Add	*230.26*	
		For Class 55 Rating, Add	*511.79*	
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,752.89	345.47
		For Class 52 Rating, Deduct	*-355.24*	
		For Class 54 Rating, Add	*242.21*	
		For Class 55 Rating, Add	*538.35*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,914.75	347.15
		For Class 52 Rating, Deduct	*-372.77*	
		For Class 54 Rating, Add	*254.16*	
		For Class 55 Rating, Add	*564.91*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,076.62	348.82
		For Class 52 Rating, Deduct	*-390.29*	
		For Class 54 Rating, Add	*266.11*	
		For Class 55 Rating, Add	*591.47*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,238.49	350.50
		For Class 52 Rating, Deduct	*-407.82*	
		For Class 54 Rating, Add	*278.06*	
		For Class 55 Rating, Add	*618.03*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,400.37	352.18
		For Class 52 Rating, Deduct	*-425.34*	
		For Class 54 Rating, Add	*290.01*	
		For Class 55 Rating, Add	*644.59*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,562.24	353.86
		For Class 52 Rating, Deduct	*-442.87*	
		For Class 54 Rating, Add	*301.96*	
		For Class 55 Rating, Add	*671.15*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,724.10	355.53
		For Class 52 Rating, Deduct	*-460.40*	
		For Class 54 Rating, Add	*313.91*	
		For Class 55 Rating, Add	*697.71*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,885.97	357.20
		For Class 52 Rating, Deduct	*-477.92*	
		For Class 54 Rating, Add	*325.86*	
		For Class 55 Rating, Add	*724.27*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,047.84	358.88
		For Class 52 Rating, Deduct	*-495.45*	
		For Class 54 Rating, Add	*337.81*	
		For Class 55 Rating, Add	*750.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,209.71	360.56
		For Class 52 Rating, Deduct	*-512.98*	
		For Class 54 Rating, Add	*349.76*	
		For Class 55 Rating, Add	*777.39*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,371.58	362.24
		For Class 52 Rating, Deduct	*-530.50*	
		For Class 54 Rating, Add	*361.71*	
		For Class 55 Rating, Add	*803.95*	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,533.44	363.91
		For Class 52 Rating, Deduct	*-548.03*	
		For Class 54 Rating, Add	*373.65*	
		For Class 55 Rating, Add	*830.51*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,695.31	365.59
		For Class 52 Rating, Deduct	*-565.55*	
		For Class 54 Rating, Add	*385.60*	
		For Class 55 Rating, Add	*857.07*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,857.18	367.27
		For Class 52 Rating, Deduct	*-583.08*	
		For Class 54 Rating, Add	*397.55*	
		For Class 55 Rating, Add	*883.63*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,019.05	368.94
		For Class 52 Rating, Deduct	*-600.61*	
		For Class 54 Rating, Add	*409.50*	
		For Class 55 Rating, Add	*910.19*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,180.92	370.62
		For Class 52 Rating, Deduct	*-618.13*	
		For Class 54 Rating, Add	*421.45*	
		For Class 55 Rating, Add	*936.75*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,342.79	372.30
		For Class 52 Rating, Deduct	*-635.66*	
		For Class 54 Rating, Add	*433.40*	
		For Class 55 Rating, Add	*963.31*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,504.66	373.98
		For Class 52 Rating, Deduct	*-653.18*	
		For Class 54 Rating, Add	*445.35*	
		For Class 55 Rating, Add	*989.87*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,666.53	375.65
		For Class 52 Rating, Deduct	*-670.71*	
		For Class 54 Rating, Add	*457.30*	
		For Class 55 Rating, Add	*1,016.43*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,828.40	377.33
		For Class 52 Rating, Deduct	*-688.24*	
		For Class 54 Rating, Add	*469.25*	
		For Class 55 Rating, Add	*1,042.99*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,990.27	379.01
		For Class 52 Rating, Deduct	*-705.76*	
		For Class 54 Rating, Add	*481.20*	
		For Class 55 Rating, Add	*1,069.55*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,152.13	380.68
		For Class 52 Rating, Deduct	*-723.29*	
		For Class 54 Rating, Add	*493.15*	
		For Class 55 Rating, Add	*1,096.11*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,314.00	382.36
		For Class 52 Rating, Deduct	*-740.81*	
		For Class 54 Rating, Add	*505.10*	
		For Class 55 Rating, Add	*1,122.67*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,475.87	384.04
		For Class 52 Rating, Deduct	*-758.34*	
		For Class 54 Rating, Add	*517.05*	
		For Class 55 Rating, Add	*1,149.23*	

40 05 19 00-3347 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3348	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,720.31	362.91
		For Class 52 Rating, Deduct	*-128.75*	
		For Class 54 Rating, Add	*87.78*	
		For Class 55 Rating, Add	*195.11*	
40 05 19 00-3349	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,906.69	364.58
		For Class 52 Rating, Deduct	*-148.97*	
		For Class 54 Rating, Add	*101.57*	
		For Class 55 Rating, Add	*225.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3350	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,093.07	366.26
		For Class 52 Rating, Deduct	*-169.19*	
		For Class 54 Rating, Add	*115.36*	
		For Class 55 Rating, Add	*256.41*	
40 05 19 00-3351	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,279.45	367.94
		For Class 52 Rating, Deduct	*-189.42*	
		For Class 54 Rating, Add	*129.15*	
		For Class 55 Rating, Add	*287.05*	
40 05 19 00-3352	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,465.83	369.62
		For Class 52 Rating, Deduct	*-209.64*	
		For Class 54 Rating, Add	*142.94*	
		For Class 55 Rating, Add	*317.70*	
40 05 19 00-3353	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,652.21	371.29
		For Class 52 Rating, Deduct	*-229.86*	
		For Class 54 Rating, Add	*156.72*	
		For Class 55 Rating, Add	*348.34*	
40 05 19 00-3354	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,838.60	372.97
		For Class 52 Rating, Deduct	*-250.08*	
		For Class 54 Rating, Add	*170.51*	
		For Class 55 Rating, Add	*378.99*	
40 05 19 00-3355	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,024.98	374.65
		For Class 52 Rating, Deduct	*-270.31*	
		For Class 54 Rating, Add	*184.30*	
		For Class 55 Rating, Add	*409.64*	
40 05 19 00-3356	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,211.36	376.33
		For Class 52 Rating, Deduct	*-290.53*	
		For Class 54 Rating, Add	*198.09*	
		For Class 55 Rating, Add	*440.28*	
40 05 19 00-3357	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,397.74	378.00
		For Class 52 Rating, Deduct	*-310.75*	
		For Class 54 Rating, Add	*211.88*	
		For Class 55 Rating, Add	*470.93*	
40 05 19 00-3358	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,584.12	379.68
		For Class 52 Rating, Deduct	*-330.97*	
		For Class 54 Rating, Add	*225.66*	
		For Class 55 Rating, Add	*501.58*	
40 05 19 00-3359	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,770.50	381.36
		For Class 52 Rating, Deduct	*-351.20*	
		For Class 54 Rating, Add	*239.45*	
		For Class 55 Rating, Add	*532.22*	
40 05 19 00-3360	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,956.88	383.03
		For Class 52 Rating, Deduct	*-371.42*	
		For Class 54 Rating, Add	*253.24*	
		For Class 55 Rating, Add	*562.87*	
40 05 19 00-3361	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,143.26	384.71
		For Class 52 Rating, Deduct	*-391.64*	
		For Class 54 Rating, Add	*267.03*	
		For Class 55 Rating, Add	*593.51*	
40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,329.64	386.39
		For Class 52 Rating, Deduct	*-411.86*	
		For Class 54 Rating, Add	*280.82*	
		For Class 55 Rating, Add	*624.16*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,516.02	388.07
		For Class 52 Rating, Deduct	*-432.09*	
		For Class 54 Rating, Add	*294.60*	
		For Class 55 Rating, Add	*654.81*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,702.40	389.74
		For Class 52 Rating, Deduct	*-452.31*	
		For Class 54 Rating, Add	*308.39*	
		For Class 55 Rating, Add	*685.45*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,888.78	391.42
		For Class 52 Rating, Deduct	*-472.53*	
		For Class 54 Rating, Add	*322.18*	
		For Class 55 Rating, Add	*716.10*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,075.17	393.09
		For Class 52 Rating, Deduct	*-492.75*	
		For Class 54 Rating, Add	*335.97*	
		For Class 55 Rating, Add	*746.74*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,261.55	394.76
		For Class 52 Rating, Deduct	*-512.98*	
		For Class 54 Rating, Add	*349.76*	
		For Class 55 Rating, Add	*777.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,447.93	396.44
		For Class 52 Rating, Deduct	*-533.20*	
		For Class 54 Rating, Add	*363.54*	
		For Class 55 Rating, Add	*808.04*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,634.31	398.12
		For Class 52 Rating, Deduct	*-553.42*	
		For Class 54 Rating, Add	*377.33*	
		For Class 55 Rating, Add	*838.68*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,820.69	399.80
		For Class 52 Rating, Deduct	*-573.64*	
		For Class 54 Rating, Add	*391.12*	
		For Class 55 Rating, Add	*869.33*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,007.07	401.47
		For Class 52 Rating, Deduct	*-593.86*	
		For Class 54 Rating, Add	*404.91*	
		For Class 55 Rating, Add	*899.97*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,193.45	403.15
		For Class 52 Rating, Deduct	*-614.09*	
		For Class 54 Rating, Add	*418.70*	
		For Class 55 Rating, Add	*930.62*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,379.83	404.83
		For Class 52 Rating, Deduct	*-634.31*	
		For Class 54 Rating, Add	*432.48*	
		For Class 55 Rating, Add	*961.27*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,566.21	406.51
		For Class 52 Rating, Deduct	*-654.53*	
		For Class 54 Rating, Add	*446.27*	
		For Class 55 Rating, Add	*991.91*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,752.59	408.18
		For Class 52 Rating, Deduct	*-674.75*	
		For Class 54 Rating, Add	*460.06*	
		For Class 55 Rating, Add	*1,022.56*	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,938.97	409.86
		For Class 52 Rating, Deduct	*-694.98*	
		For Class 54 Rating, Add	*473.85*	
		For Class 55 Rating, Add	*1,053.21*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,125.35	411.54
		For Class 52 Rating, Deduct	*-715.20*	
		For Class 54 Rating, Add	*487.64*	
		For Class 55 Rating, Add	*1,083.85*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,311.74	413.21
		For Class 52 Rating, Deduct	*-735.42*	
		For Class 54 Rating, Add	*501.42*	
		For Class 55 Rating, Add	*1,114.50*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,498.12	414.89
		For Class 52 Rating, Deduct	*-755.64*	
		For Class 54 Rating, Add	*515.21*	
		For Class 55 Rating, Add	*1,145.14*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,684.50	416.57
		For Class 52 Rating, Deduct	*-775.87*	
		For Class 54 Rating, Add	*529.00*	
		For Class 55 Rating, Add	*1,175.79*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,870.88	418.25
		For Class 52 Rating, Deduct	*-796.09*	
		For Class 54 Rating, Add	*542.79*	
		For Class 55 Rating, Add	*1,206.44*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,057.26	419.93
		For Class 52 Rating, Deduct	*-816.31*	
		For Class 54 Rating, Add	*556.58*	
		For Class 55 Rating, Add	*1,237.08*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,243.64	421.61
		For Class 52 Rating, Deduct	*-836.53*	
		For Class 54 Rating, Add	*570.36*	
		For Class 55 Rating, Add	*1,267.73*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,430.02	423.28
		For Class 52 Rating, Deduct	*-856.76*	
		For Class 54 Rating, Add	*584.15*	
		For Class 55 Rating, Add	*1,298.37*	
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,616.40	424.96
		For Class 52 Rating, Deduct	*-876.98*	
		For Class 54 Rating, Add	*597.94*	
		For Class 55 Rating, Add	*1,329.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3386		20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*		
40 05 19 00-3387	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,000.29	414.23
		For Class 52 Rating, Deduct	*-150.99*	
		For Class 54 Rating, Add	*102.95*	
		For Class 55 Rating, Add	*228.82*	
40 05 19 00-3388	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,212.41	415.90
		For Class 52 Rating, Deduct	*-174.05*	
		For Class 54 Rating, Add	*118.67*	
		For Class 55 Rating, Add	*263.76*	
40 05 19 00-3389	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,424.53	417.58
		For Class 52 Rating, Deduct	*-197.10*	
		For Class 54 Rating, Add	*134.39*	
		For Class 55 Rating, Add	*298.70*	
40 05 19 00-3390	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,636.64	419.26
		For Class 52 Rating, Deduct	*-220.15*	
		For Class 54 Rating, Add	*150.11*	
		For Class 55 Rating, Add	*333.63*	
40 05 19 00-3391	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,848.76	420.94
		For Class 52 Rating, Deduct	*-243.21*	
		For Class 54 Rating, Add	*165.82*	
		For Class 55 Rating, Add	*368.57*	
40 05 19 00-3392	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,060.88	422.61
		For Class 52 Rating, Deduct	*-266.26*	
		For Class 54 Rating, Add	*181.54*	
		For Class 55 Rating, Add	*403.51*	
40 05 19 00-3393	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,273.00	424.29
		For Class 52 Rating, Deduct	*-289.32*	
		For Class 54 Rating, Add	*197.26*	
		For Class 55 Rating, Add	*438.44*	
40 05 19 00-3394	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,485.12	425.97
		For Class 52 Rating, Deduct	*-312.37*	
		For Class 54 Rating, Add	*212.98*	
		For Class 55 Rating, Add	*473.38*	
40 05 19 00-3395	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,697.23	427.65
		For Class 52 Rating, Deduct	*-335.42*	
		For Class 54 Rating, Add	*228.70*	
		For Class 55 Rating, Add	*508.32*	
40 05 19 00-3396	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,909.35	429.31
		For Class 52 Rating, Deduct	*-358.48*	
		For Class 54 Rating, Add	*244.42*	
		For Class 55 Rating, Add	*543.25*	
40 05 19 00-3397	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,121.47	430.99
		For Class 52 Rating, Deduct	*-381.53*	
		For Class 54 Rating, Add	*260.13*	
		For Class 55 Rating, Add	*578.19*	
40 05 19 00-3398	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,333.60	432.67
		For Class 52 Rating, Deduct	*-404.58*	
		For Class 54 Rating, Add	*275.85*	
		For Class 55 Rating, Add	*613.13*	
40 05 19 00-3399	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,545.71	434.34
		For Class 52 Rating, Deduct	*-427.64*	
		For Class 54 Rating, Add	*291.57*	
		For Class 55 Rating, Add	*648.06*	
40 05 19 00-3400	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,757.83	436.02
		For Class 52 Rating, Deduct	*-450.69*	
		For Class 54 Rating, Add	*307.29*	
		For Class 55 Rating, Add	*683.00*	
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,969.95	437.70
		For Class 52 Rating, Deduct	*-473.74*	
		For Class 54 Rating, Add	*323.01*	
		For Class 55 Rating, Add	*717.94*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,182.07	439.38
		For Class 52 Rating, Deduct	*-496.80*	
		For Class 54 Rating, Add	*338.73*	
		For Class 55 Rating, Add	*752.87*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,394.18	441.05
		For Class 52 Rating, Deduct	*-519.85*	
		For Class 54 Rating, Add	*354.44*	
		For Class 55 Rating, Add	*787.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,606.30	442.73
		For Class 52 Rating, Deduct	*-542.90*	
		For Class 54 Rating, Add	*370.16*	
		For Class 55 Rating, Add	*822.75*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,818.42	444.41
		For Class 52 Rating, Deduct	*-565.96*	
		For Class 54 Rating, Add	*385.88*	
		For Class 55 Rating, Add	*857.68*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,030.54	446.09
		For Class 52 Rating, Deduct	*-589.01*	
		For Class 54 Rating, Add	*401.60*	
		For Class 55 Rating, Add	*892.62*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,242.65	447.76
		For Class 52 Rating, Deduct	*-612.06*	
		For Class 54 Rating, Add	*417.32*	
		For Class 55 Rating, Add	*927.56*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,454.77	449.44
		For Class 52 Rating, Deduct	*-635.12*	
		For Class 54 Rating, Add	*433.04*	
		For Class 55 Rating, Add	*962.49*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,666.89	451.12
		For Class 52 Rating, Deduct	*-658.17*	
		For Class 54 Rating, Add	*448.75*	
		For Class 55 Rating, Add	*997.43*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,879.02	452.79
		For Class 52 Rating, Deduct	*-681.23*	
		For Class 54 Rating, Add	*464.47*	
		For Class 55 Rating, Add	*1,032.37*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,091.13	454.47
		For Class 52 Rating, Deduct	*-704.28*	
		For Class 54 Rating, Add	*480.19*	
		For Class 55 Rating, Add	*1,067.30*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,303.25	456.15
		For Class 52 Rating, Deduct	*-727.33*	
		For Class 54 Rating, Add	*495.91*	
		For Class 55 Rating, Add	*1,102.24*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,515.37	457.83
		For Class 52 Rating, Deduct	*-750.39*	
		For Class 54 Rating, Add	*511.63*	
		For Class 55 Rating, Add	*1,137.18*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,727.49	459.50
		For Class 52 Rating, Deduct	*-773.44*	
		For Class 54 Rating, Add	*527.35*	
		For Class 55 Rating, Add	*1,172.11*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,939.60	461.18
		For Class 52 Rating, Deduct	*-796.49*	
		For Class 54 Rating, Add	*543.06*	
		For Class 55 Rating, Add	*1,207.05*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,151.72	462.86
		For Class 52 Rating, Deduct	*-819.55*	
		For Class 54 Rating, Add	*558.78*	
		For Class 55 Rating, Add	*1,241.99*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,363.84	464.54
		For Class 52 Rating, Deduct	*-842.60*	
		For Class 54 Rating, Add	*574.50*	
		For Class 55 Rating, Add	*1,276.92*	
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,575.96	466.21
		For Class 52 Rating, Deduct	*-865.65*	
		For Class 54 Rating, Add	*590.22*	
		For Class 55 Rating, Add	*1,311.86*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,788.08	467.88
		For Class 52 Rating, Deduct	*-888.71*	
		For Class 54 Rating, Add	*605.94*	
		For Class 55 Rating, Add	*1,346.80*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,000.19	469.56
		For Class 52 Rating, Deduct	*-911.76*	
		For Class 54 Rating, Add	*621.65*	
		For Class 55 Rating, Add	*1,381.73*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,212.31	471.24
		For Class 52 Rating, Deduct	*-934.81*	
		For Class 54 Rating, Add	*637.37*	
		For Class 55 Rating, Add	*1,416.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,424.44	472.92
		For Class 52 Rating, Deduct	*-957.87*	
		For Class 54 Rating, Add	*653.09*	
		For Class 55 Rating, Add	*1,451.61*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,636.56	474.59
		For Class 52 Rating, Deduct	*-980.92*	
		For Class 54 Rating, Add	*668.81*	
		For Class 55 Rating, Add	*1,486.54*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,848.67	476.27
		For Class 52 Rating, Deduct	*-1,003.97*	
		For Class 54 Rating, Add	*684.53*	
		For Class 55 Rating, Add	*1,521.48*	

40 05 19 00-3425 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3426	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,455.34	489.69
		For Class 52 Rating, Deduct	*-188.47*	
		For Class 54 Rating, Add	*128.50*	
		For Class 55 Rating, Add	*285.62*	
40 05 19 00-3427	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,717.71	491.37
		For Class 52 Rating, Deduct	*-217.05*	
		For Class 54 Rating, Add	*147.99*	
		For Class 55 Rating, Add	*328.94*	
40 05 19 00-3428	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,980.08	493.05
		For Class 52 Rating, Deduct	*-245.63*	
		For Class 54 Rating, Add	*167.48*	
		For Class 55 Rating, Add	*372.25*	
40 05 19 00-3429	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,242.45	494.72
		For Class 52 Rating, Deduct	*-274.22*	
		For Class 54 Rating, Add	*186.97*	
		For Class 55 Rating, Add	*415.56*	
40 05 19 00-3430	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,504.82	496.40
		For Class 52 Rating, Deduct	*-302.80*	
		For Class 54 Rating, Add	*206.45*	
		For Class 55 Rating, Add	*458.88*	
40 05 19 00-3431	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,767.18	498.08
		For Class 52 Rating, Deduct	*-331.38*	
		For Class 54 Rating, Add	*225.94*	
		For Class 55 Rating, Add	*502.19*	
40 05 19 00-3432	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,029.55	499.76
		For Class 52 Rating, Deduct	*-359.96*	
		For Class 54 Rating, Add	*245.43*	
		For Class 55 Rating, Add	*545.50*	
40 05 19 00-3433	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,291.92	501.43
		For Class 52 Rating, Deduct	*-388.54*	
		For Class 54 Rating, Add	*264.91*	
		For Class 55 Rating, Add	*588.81*	
40 05 19 00-3434	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,554.29	503.11
		For Class 52 Rating, Deduct	*-417.12*	
		For Class 54 Rating, Add	*284.40*	
		For Class 55 Rating, Add	*632.13*	
40 05 19 00-3435	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,816.65	504.78
		For Class 52 Rating, Deduct	*-445.70*	
		For Class 54 Rating, Add	*303.89*	
		For Class 55 Rating, Add	*675.44*	
40 05 19 00-3436	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,079.02	506.45
		For Class 52 Rating, Deduct	*-474.28*	
		For Class 54 Rating, Add	*323.37*	
		For Class 55 Rating, Add	*718.75*	
40 05 19 00-3437	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,341.39	508.13
		For Class 52 Rating, Deduct	*-502.86*	
		For Class 54 Rating, Add	*342.86*	
		For Class 55 Rating, Add	*762.07*	
40 05 19 00-3438	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,603.76	509.81
		For Class 52 Rating, Deduct	*-531.45*	
		For Class 54 Rating, Add	*362.35*	
		For Class 55 Rating, Add	*805.38*	
40 05 19 00-3439	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,866.12	511.49
		For Class 52 Rating, Deduct	*-560.03*	
		For Class 54 Rating, Add	*381.84*	
		For Class 55 Rating, Add	*848.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,128.50	513.16
		For Class 52 Rating, Deduct	*-588.61*	
		For Class 54 Rating, Add	*401.32*	
		For Class 55 Rating, Add	*892.01*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,390.87	514.84
		For Class 52 Rating, Deduct	*-617.19*	
		For Class 54 Rating, Add	*420.81*	
		For Class 55 Rating, Add	*935.32*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,653.23	516.52
		For Class 52 Rating, Deduct	*-645.77*	
		For Class 54 Rating, Add	*440.30*	
		For Class 55 Rating, Add	*978.63*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,915.60	518.19
		For Class 52 Rating, Deduct	*-674.35*	
		For Class 54 Rating, Add	*459.78*	
		For Class 55 Rating, Add	*1,021.95*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,177.97	519.87
		For Class 52 Rating, Deduct	*-702.93*	
		For Class 54 Rating, Add	*479.27*	
		For Class 55 Rating, Add	*1,065.26*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,440.34	521.55
		For Class 52 Rating, Deduct	*-731.51*	
		For Class 54 Rating, Add	*498.76*	
		For Class 55 Rating, Add	*1,108.57*	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,702.70	523.23
		For Class 52 Rating, Deduct	*-760.09*	
		For Class 54 Rating, Add	*518.24*	
		For Class 55 Rating, Add	*1,151.89*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,965.07	524.90
		For Class 52 Rating, Deduct	*-788.67*	
		For Class 54 Rating, Add	*537.73*	
		For Class 55 Rating, Add	*1,195.20*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,227.44	526.58
		For Class 52 Rating, Deduct	*-817.25*	
		For Class 54 Rating, Add	*557.22*	
		For Class 55 Rating, Add	*1,238.51*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,489.80	528.26
		For Class 52 Rating, Deduct	*-845.84*	
		For Class 54 Rating, Add	*576.71*	
		For Class 55 Rating, Add	*1,281.82*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,752.17	529.94
		For Class 52 Rating, Deduct	*-874.42*	
		For Class 54 Rating, Add	*596.19*	
		For Class 55 Rating, Add	*1,325.14*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,014.54	531.62
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*615.68*	
		For Class 55 Rating, Add	*1,368.45*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,276.92	533.29
		For Class 52 Rating, Deduct	*-931.58*	
		For Class 54 Rating, Add	*635.17*	
		For Class 55 Rating, Add	*1,411.77*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,539.28	534.97
		For Class 52 Rating, Deduct	*-960.16*	
		For Class 54 Rating, Add	*654.65*	
		For Class 55 Rating, Add	*1,455.08*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,801.65	536.65
		For Class 52 Rating, Deduct	*-988.74*	
		For Class 54 Rating, Add	*674.14*	
		For Class 55 Rating, Add	*1,498.39*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,107.21	566.83
		For Class 52 Rating, Deduct	*-1,017.32*	
		For Class 54 Rating, Add	*693.63*	
		For Class 55 Rating, Add	*1,541.70*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,369.57	568.51
		For Class 52 Rating, Deduct	*-1,045.90*	
		For Class 54 Rating, Add	*713.12*	
		For Class 55 Rating, Add	*1,585.02*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,631.94	570.19
		For Class 52 Rating, Deduct	*-1,074.48*	
		For Class 54 Rating, Add	*732.60*	
		For Class 55 Rating, Add	*1,628.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,894.31	571.87
		For Class 52 Rating, Deduct	*-1,103.06*	
		For Class 54 Rating, Add	*752.09*	
		For Class 55 Rating, Add	*1,671.64*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,156.69	573.54
		For Class 52 Rating, Deduct	*-1,131.65*	
		For Class 54 Rating, Add	*771.58*	
		For Class 55 Rating, Add	*1,714.96*	
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,644.65	575.22
		For Class 52 Rating, Deduct	*-1,295.04*	
		For Class 54 Rating, Add	*882.98*	
		For Class 55 Rating, Add	*1,962.58*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,681.42	576.90
		For Class 52 Rating, Deduct	*-1,188.81*	
		For Class 54 Rating, Add	*810.55*	
		For Class 55 Rating, Add	*1,801.58*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,943.79	578.56
		For Class 52 Rating, Deduct	*-1,217.39*	
		For Class 54 Rating, Add	*830.04*	
		For Class 55 Rating, Add	*1,844.90*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,206.17	580.24
		For Class 52 Rating, Deduct	*-1,245.97*	
		For Class 54 Rating, Add	*849.53*	
		For Class 55 Rating, Add	*1,888.21*	

40 05 19 00-3464 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3465	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,103.51	690.94
		For Class 52 Rating, Deduct	*-336.23*	
		For Class 54 Rating, Add	*229.25*	
		For Class 55 Rating, Add	*509.54*	
40 05 19 00-3466	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,478.63	692.60
		For Class 52 Rating, Deduct	*-377.22*	
		For Class 54 Rating, Add	*257.19*	
		For Class 55 Rating, Add	*571.65*	
40 05 19 00-3467	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,853.76	694.28
		For Class 52 Rating, Deduct	*-418.20*	
		For Class 54 Rating, Add	*285.14*	
		For Class 55 Rating, Add	*633.76*	
40 05 19 00-3468	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,228.88	695.96
		For Class 52 Rating, Deduct	*-459.18*	
		For Class 54 Rating, Add	*313.08*	
		For Class 55 Rating, Add	*695.87*	
40 05 19 00-3469	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,604.01	697.64
		For Class 52 Rating, Deduct	*-500.17*	
		For Class 54 Rating, Add	*341.02*	
		For Class 55 Rating, Add	*757.98*	
40 05 19 00-3470	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,979.13	699.31
		For Class 52 Rating, Deduct	*-541.15*	
		For Class 54 Rating, Add	*368.97*	
		For Class 55 Rating, Add	*820.09*	
40 05 19 00-3471	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,354.25	700.99
		For Class 52 Rating, Deduct	*-582.14*	
		For Class 54 Rating, Add	*396.91*	
		For Class 55 Rating, Add	*882.20*	
40 05 19 00-3472	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,729.37	702.67
		For Class 52 Rating, Deduct	*-623.12*	
		For Class 54 Rating, Add	*424.85*	
		For Class 55 Rating, Add	*944.31*	
40 05 19 00-3473	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,104.50	704.34
		For Class 52 Rating, Deduct	*-664.10*	
		For Class 54 Rating, Add	*452.80*	
		For Class 55 Rating, Add	*1,006.42*	
40 05 19 00-3474	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,479.62	706.02
		For Class 52 Rating, Deduct	*-705.09*	
		For Class 54 Rating, Add	*480.74*	
		For Class 55 Rating, Add	*1,068.53*	
40 05 19 00-3475	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,854.74	707.70
		For Class 52 Rating, Deduct	*-746.07*	
		For Class 54 Rating, Add	*508.69*	
		For Class 55 Rating, Add	*1,130.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3476	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,229.86	709.38
		For Class 52 Rating, Deduct	*-787.06*	
		For Class 54 Rating, Add	*536.63*	
		For Class 55 Rating, Add	*1,192.75*	
40 05 19 00-3477	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,604.99	711.05
		For Class 52 Rating, Deduct	*-828.04*	
		For Class 54 Rating, Add	*564.57*	
		For Class 55 Rating, Add	*1,254.86*	
40 05 19 00-3478	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,980.11	712.73
		For Class 52 Rating, Deduct	*-869.02*	
		For Class 54 Rating, Add	*592.52*	
		For Class 55 Rating, Add	*1,316.97*	
40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,355.24	714.41
		For Class 52 Rating, Deduct	*-910.01*	
		For Class 54 Rating, Add	*620.46*	
		For Class 55 Rating, Add	*1,379.08*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,730.36	716.09
		For Class 52 Rating, Deduct	*-950.99*	
		For Class 54 Rating, Add	*648.40*	
		For Class 55 Rating, Add	*1,441.18*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,105.48	717.76
		For Class 52 Rating, Deduct	*-991.98*	
		For Class 54 Rating, Add	*676.35*	
		For Class 55 Rating, Add	*1,503.29*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,480.61	719.44
		For Class 52 Rating, Deduct	*-1,032.96*	
		For Class 54 Rating, Add	*704.29*	
		For Class 55 Rating, Add	*1,565.40*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,855.73	721.12
		For Class 52 Rating, Deduct	*-1,073.94*	
		For Class 54 Rating, Add	*732.23*	
		For Class 55 Rating, Add	*1,627.51*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,230.85	722.80
		For Class 52 Rating, Deduct	*-1,114.93*	
		For Class 54 Rating, Add	*760.18*	
		For Class 55 Rating, Add	*1,689.62*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,605.97	724.48
		For Class 52 Rating, Deduct	*-1,155.91*	
		For Class 54 Rating, Add	*788.12*	
		For Class 55 Rating, Add	*1,751.73*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,981.10	726.15
		For Class 52 Rating, Deduct	*-1,196.90*	
		For Class 54 Rating, Add	*816.07*	
		For Class 55 Rating, Add	*1,813.84*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,356.22	727.82
		For Class 52 Rating, Deduct	*-1,237.88*	
		For Class 54 Rating, Add	*844.01*	
		For Class 55 Rating, Add	*1,875.95*	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,731.34	729.50
		For Class 52 Rating, Deduct	*-1,278.86*	
		For Class 54 Rating, Add	*871.95*	
		For Class 55 Rating, Add	*1,938.06*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,106.46	731.18
		For Class 52 Rating, Deduct	*-1,319.85*	
		For Class 54 Rating, Add	*899.90*	
		For Class 55 Rating, Add	*2,000.17*	
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,481.59	732.86
		For Class 52 Rating, Deduct	*-1,360.83*	
		For Class 54 Rating, Add	*927.84*	
		For Class 55 Rating, Add	*2,062.28*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,856.72	734.53
		For Class 52 Rating, Deduct	*-1,401.82*	
		For Class 54 Rating, Add	*955.78*	
		For Class 55 Rating, Add	*2,124.39*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,231.84	736.21
		For Class 52 Rating, Deduct	*-1,442.80*	
		For Class 54 Rating, Add	*983.73*	
		For Class 55 Rating, Add	*2,186.50*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,606.96	737.89
		For Class 52 Rating, Deduct	*-1,483.78*	
		For Class 54 Rating, Add	*1,011.67*	
		For Class 55 Rating, Add	*2,248.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,982.09	739.57
		For Class 52 Rating, Deduct	*-1,524.77*	
		For Class 54 Rating, Add	*1,039.62*	
		For Class 55 Rating, Add	*2,310.72*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,357.21	741.24
		For Class 52 Rating, Deduct	*-1,565.75*	
		For Class 54 Rating, Add	*1,067.56*	
		For Class 55 Rating, Add	*2,372.83*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,732.33	742.92
		For Class 52 Rating, Deduct	*-1,606.74*	
		For Class 54 Rating, Add	*1,095.50*	
		For Class 55 Rating, Add	*2,434.94*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,107.45	744.60
		For Class 52 Rating, Deduct	*-1,647.72*	
		For Class 54 Rating, Add	*1,123.45*	
		For Class 55 Rating, Add	*2,497.05*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,482.59	746.27
		For Class 52 Rating, Deduct	*-1,688.71*	
		For Class 54 Rating, Add	*1,151.39*	
		For Class 55 Rating, Add	*2,559.16*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,857.71	747.95
		For Class 52 Rating, Deduct	*-1,729.69*	
		For Class 54 Rating, Add	*1,179.33*	
		For Class 55 Rating, Add	*2,621.27*	

40 05 19 00-3500 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3501	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,133.08	875.41
		For Class 52 Rating, Deduct	*-418.74*	
		For Class 54 Rating, Add	*285.50*	
		For Class 55 Rating, Add	*634.58*	
40 05 19 00-3502	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,635.67	877.09
		For Class 52 Rating, Deduct	*-473.74*	
		For Class 54 Rating, Add	*323.01*	
		For Class 55 Rating, Add	*717.94*	
40 05 19 00-3503	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,138.25	878.75
		For Class 52 Rating, Deduct	*-528.75*	
		For Class 54 Rating, Add	*360.51*	
		For Class 55 Rating, Add	*801.29*	
40 05 19 00-3504	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,640.84	880.43
		For Class 52 Rating, Deduct	*-583.75*	
		For Class 54 Rating, Add	*398.01*	
		For Class 55 Rating, Add	*884.65*	
40 05 19 00-3505	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,143.42	882.11
		For Class 52 Rating, Deduct	*-638.76*	
		For Class 54 Rating, Add	*435.52*	
		For Class 55 Rating, Add	*968.01*	
40 05 19 00-3506	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,646.01	883.78
		For Class 52 Rating, Deduct	*-693.76*	
		For Class 54 Rating, Add	*473.02*	
		For Class 55 Rating, Add	*1,051.37*	
40 05 19 00-3507	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,148.59	885.46
		For Class 52 Rating, Deduct	*-748.77*	
		For Class 54 Rating, Add	*510.52*	
		For Class 55 Rating, Add	*1,134.72*	
40 05 19 00-3508	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,651.18	887.14
		For Class 52 Rating, Deduct	*-803.77*	
		For Class 54 Rating, Add	*548.03*	
		For Class 55 Rating, Add	*1,218.08*	
40 05 19 00-3509	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,153.76	888.82
		For Class 52 Rating, Deduct	*-858.78*	
		For Class 54 Rating, Add	*585.53*	
		For Class 55 Rating, Add	*1,301.44*	
40 05 19 00-3510	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,656.35	890.49
		For Class 52 Rating, Deduct	*-913.78*	
		For Class 54 Rating, Add	*623.03*	
		For Class 55 Rating, Add	*1,384.80*	
40 05 19 00-3511	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,158.93	892.17
		For Class 52 Rating, Deduct	*-968.79*	
		For Class 54 Rating, Add	*660.54*	
		For Class 55 Rating, Add	*1,468.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3512	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,661.52	893.85
		For Class 52 Rating, Deduct	*-1,023.79*	
		For Class 54 Rating, Add	*698.04*	
		For Class 55 Rating, Add	*1,551.51*	
40 05 19 00-3513	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,164.11	895.52
		For Class 52 Rating, Deduct	*-1,078.80*	
		For Class 54 Rating, Add	*735.54*	
		For Class 55 Rating, Add	*1,634.87*	
40 05 19 00-3514	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,666.70	897.20
		For Class 52 Rating, Deduct	*-1,133.80*	
		For Class 54 Rating, Add	*773.05*	
		For Class 55 Rating, Add	*1,718.23*	
40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,169.28	898.88
		For Class 52 Rating, Deduct	*-1,188.81*	
		For Class 54 Rating, Add	*810.55*	
		For Class 55 Rating, Add	*1,801.58*	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,671.87	900.56
		For Class 52 Rating, Deduct	*-1,243.81*	
		For Class 54 Rating, Add	*848.05*	
		For Class 55 Rating, Add	*1,884.94*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,174.45	902.23
		For Class 52 Rating, Deduct	*-1,298.82*	
		For Class 54 Rating, Add	*885.56*	
		For Class 55 Rating, Add	*1,968.30*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,677.04	903.91
		For Class 52 Rating, Deduct	*-1,353.82*	
		For Class 54 Rating, Add	*923.06*	
		For Class 55 Rating, Add	*2,051.66*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,179.62	905.59
		For Class 52 Rating, Deduct	*-1,408.83*	
		For Class 54 Rating, Add	*960.56*	
		For Class 55 Rating, Add	*2,135.01*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,682.20	907.27
		For Class 52 Rating, Deduct	*-1,463.83*	
		For Class 54 Rating, Add	*998.07*	
		For Class 55 Rating, Add	*2,218.37*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,184.79	908.95
		For Class 52 Rating, Deduct	*-1,518.84*	
		For Class 54 Rating, Add	*1,035.57*	
		For Class 55 Rating, Add	*2,301.73*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,687.37	910.62
		For Class 52 Rating, Deduct	*-1,573.84*	
		For Class 54 Rating, Add	*1,073.07*	
		For Class 55 Rating, Add	*2,385.09*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,189.97	912.30
		For Class 52 Rating, Deduct	*-1,628.85*	
		For Class 54 Rating, Add	*1,110.58*	
		For Class 55 Rating, Add	*2,468.44*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,692.55	913.98
		For Class 52 Rating, Deduct	*-1,683.85*	
		For Class 54 Rating, Add	*1,148.08*	
		For Class 55 Rating, Add	*2,551.80*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,195.15	915.65
		For Class 52 Rating, Deduct	*-1,738.86*	
		For Class 54 Rating, Add	*1,185.58*	
		For Class 55 Rating, Add	*2,635.16*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,697.73	917.33
		For Class 52 Rating, Deduct	*-1,793.86*	
		For Class 54 Rating, Add	*1,223.09*	
		For Class 55 Rating, Add	*2,718.52*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,200.32	919.00
		For Class 52 Rating, Deduct	*-1,848.87*	
		For Class 54 Rating, Add	*1,260.59*	
		For Class 55 Rating, Add	*2,801.87*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,702.90	920.68
		For Class 52 Rating, Deduct	*-1,903.87*	
		For Class 54 Rating, Add	*1,298.09*	
		For Class 55 Rating, Add	*2,885.23*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,205.49	922.36
		For Class 52 Rating, Deduct	*-1,958.88*	
		For Class 54 Rating, Add	*1,335.60*	
		For Class 55 Rating, Add	*2,968.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,708.07	924.04
		For Class 52 Rating, Deduct	*-2,013.88*	
		For Class 54 Rating, Add	*1,373.10*	
		For Class 55 Rating, Add	*3,051.95*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,210.66	925.71
		For Class 52 Rating, Deduct	*-2,068.89*	
		For Class 54 Rating, Add	*1,410.60*	
		For Class 55 Rating, Add	*3,135.30*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,713.24	927.39
		For Class 52 Rating, Deduct	*-2,123.89*	
		For Class 54 Rating, Add	*1,448.11*	
		For Class 55 Rating, Add	*3,218.66*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,215.83	929.07
		For Class 52 Rating, Deduct	*-2,178.90*	
		For Class 54 Rating, Add	*1,485.61*	
		For Class 55 Rating, Add	*3,302.02*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,718.41	930.75
		For Class 52 Rating, Deduct	*-2,233.90*	
		For Class 54 Rating, Add	*1,523.11*	
		For Class 55 Rating, Add	*3,385.38*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,221.00	932.42
		For Class 52 Rating, Deduct	*-2,288.91*	
		For Class 54 Rating, Add	*1,560.62*	
		For Class 55 Rating, Add	*3,468.73*	

40 05 19 00-3536 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3537	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,775.34	1,103.47
		For Class 52 Rating, Deduct	*-561.37*	
		For Class 54 Rating, Add	*382.76*	
		For Class 55 Rating, Add	*850.74*	
40 05 19 00-3538	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,515.69	1,105.15
		For Class 52 Rating, Deduct	*-642.53*	
		For Class 54 Rating, Add	*438.09*	
		For Class 55 Rating, Add	*973.73*	
40 05 19 00-3539	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,249.91	1,106.83
		For Class 52 Rating, Deduct	*-723.02*	
		For Class 54 Rating, Add	*492.97*	
		For Class 55 Rating, Add	*1,095.70*	
40 05 19 00-3540	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,991.49	1,108.51
		For Class 52 Rating, Deduct	*-804.31*	
		For Class 54 Rating, Add	*548.39*	
		For Class 55 Rating, Add	*1,218.90*	
40 05 19 00-3541	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,728.16	1,110.19
		For Class 52 Rating, Deduct	*-885.07*	
		For Class 54 Rating, Add	*603.45*	
		For Class 55 Rating, Add	*1,341.28*	
40 05 19 00-3542	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,472.19	1,111.86
		For Class 52 Rating, Deduct	*-966.63*	
		For Class 54 Rating, Add	*659.07*	
		For Class 55 Rating, Add	*1,464.88*	
40 05 19 00-3543	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,208.87	1,113.54
		For Class 52 Rating, Deduct	*-1,047.39*	
		For Class 54 Rating, Add	*714.13*	
		For Class 55 Rating, Add	*1,587.27*	
40 05 19 00-3544	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,954.12	1,115.22
		For Class 52 Rating, Deduct	*-1,129.08*	
		For Class 54 Rating, Add	*769.83*	
		For Class 55 Rating, Add	*1,711.08*	
40 05 19 00-3545	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,692.03	1,116.90
		For Class 52 Rating, Deduct	*-1,209.97*	
		For Class 54 Rating, Add	*824.98*	
		For Class 55 Rating, Add	*1,833.66*	
40 05 19 00-3546	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,438.51	1,118.57
		For Class 52 Rating, Deduct	*-1,291.81*	
		For Class 54 Rating, Add	*880.78*	
		For Class 55 Rating, Add	*1,957.67*	
40 05 19 00-3547	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,176.41	1,120.25
		For Class 52 Rating, Deduct	*-1,372.70*	
		For Class 54 Rating, Add	*935.93*	
		For Class 55 Rating, Add	*2,080.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3548	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,922.89	1,121.93
		For Class 52 Rating, Deduct	*-1,454.53*	
		For Class 54 Rating, Add	*991.73*	
		For Class 55 Rating, Add	*2,204.27*	
40 05 19 00-3549	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,662.01	1,123.60
		For Class 52 Rating, Deduct	*-1,535.55*	
		For Class 54 Rating, Add	*1,046.97*	
		For Class 55 Rating, Add	*2,327.06*	
40 05 19 00-3550	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,402.37	1,125.28
		For Class 52 Rating, Deduct	*-1,616.71*	
		For Class 54 Rating, Add	*1,102.31*	
		For Class 55 Rating, Add	*2,450.06*	
40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,147.62	1,126.96
		For Class 52 Rating, Deduct	*-1,698.41*	
		For Class 54 Rating, Add	*1,158.01*	
		For Class 55 Rating, Add	*2,573.87*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,886.74	1,128.64
		For Class 52 Rating, Deduct	*-1,779.44*	
		For Class 54 Rating, Add	*1,213.25*	
		For Class 55 Rating, Add	*2,696.65*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,634.45	1,130.31
		For Class 52 Rating, Deduct	*-1,861.40*	
		For Class 54 Rating, Add	*1,269.14*	
		For Class 55 Rating, Add	*2,820.87*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,374.80	1,131.99
		For Class 52 Rating, Deduct	*-1,942.56*	
		For Class 54 Rating, Add	*1,324.48*	
		For Class 55 Rating, Add	*2,943.87*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,121.28	1,133.67
		For Class 52 Rating, Deduct	*-2,024.40*	
		For Class 54 Rating, Add	*1,380.27*	
		For Class 55 Rating, Add	*3,067.88*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,861.64	1,135.34
		For Class 52 Rating, Deduct	*-2,105.56*	
		For Class 54 Rating, Add	*1,435.61*	
		For Class 55 Rating, Add	*3,190.87*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,609.35	1,137.02
		For Class 52 Rating, Deduct	*-2,187.52*	
		For Class 54 Rating, Add	*1,491.49*	
		For Class 55 Rating, Add	*3,315.09*	
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,349.70	1,138.70
		For Class 52 Rating, Deduct	*-2,268.68*	
		For Class 54 Rating, Add	*1,546.83*	
		For Class 55 Rating, Add	*3,438.09*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,097.40	1,140.37
		For Class 52 Rating, Deduct	*-2,350.65*	
		For Class 54 Rating, Add	*1,602.72*	
		For Class 55 Rating, Add	*3,562.31*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,836.53	1,142.04
		For Class 52 Rating, Deduct	*-2,431.68*	
		For Class 54 Rating, Add	*1,657.96*	
		For Class 55 Rating, Add	*3,685.10*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,585.46	1,143.72
		For Class 52 Rating, Deduct	*-2,513.78*	
		For Class 54 Rating, Add	*1,713.94*	
		For Class 55 Rating, Add	*3,809.52*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,325.81	1,145.40
		For Class 52 Rating, Deduct	*-2,594.94*	
		For Class 54 Rating, Add	*1,769.28*	
		For Class 55 Rating, Add	*3,932.51*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,072.29	1,147.07
		For Class 52 Rating, Deduct	*-2,676.77*	
		For Class 54 Rating, Add	*1,825.07*	
		For Class 55 Rating, Add	*4,056.53*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,813.86	1,148.75
		For Class 52 Rating, Deduct	*-2,758.07*	
		For Class 54 Rating, Add	*1,880.50*	
		For Class 55 Rating, Add	*4,179.72*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,409.60	1,150.43
		For Class 52 Rating, Deduct	*-2,823.32*	
		For Class 54 Rating, Add	*1,924.99*	
		For Class 55 Rating, Add	*4,278.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,301.92	1,152.11
		For Class 52 Rating, Deduct	*-2,921.19*	
		For Class 54 Rating, Add	*1,991.72*	
		For Class 55 Rating, Add	*4,426.94*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,041.05	1,153.78
		For Class 52 Rating, Deduct	*-3,002.22*	
		For Class 54 Rating, Add	*2,046.97*	
		For Class 55 Rating, Add	*4,549.72*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,788.75	1,155.46
		For Class 52 Rating, Deduct	*-3,084.19*	
		For Class 54 Rating, Add	*2,102.85*	
		For Class 55 Rating, Add	*4,673.94*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,529.11	1,157.14
		For Class 52 Rating, Deduct	*-3,165.34*	
		For Class 54 Rating, Add	*2,158.19*	
		For Class 55 Rating, Add	*4,796.94*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,278.04	1,158.82
		For Class 52 Rating, Deduct	*-3,247.45*	
		For Class 54 Rating, Add	*2,214.17*	
		For Class 55 Rating, Add	*4,921.36*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,017.17	1,160.50
		For Class 52 Rating, Deduct	*-3,328.47*	
		For Class 54 Rating, Add	*2,269.41*	
		For Class 55 Rating, Add	*5,044.15*	

40 05 19 00-3572 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3573	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,737.97	1,386.89
		For Class 52 Rating, Deduct	*-730.03*	
		For Class 54 Rating, Add	*497.75*	
		For Class 55 Rating, Add	*1,106.32*	
40 05 19 00-3574	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,801.88	1,388.57
		For Class 52 Rating, Deduct	*-846.78*	
		For Class 54 Rating, Add	*577.35*	
		For Class 55 Rating, Add	*1,283.25*	
40 05 19 00-3575	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,869.47	1,390.25
		For Class 52 Rating, Deduct	*-963.93*	
		For Class 54 Rating, Add	*657.23*	
		For Class 55 Rating, Add	*1,460.80*	
40 05 19 00-3576	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,948.09	1,391.93
		For Class 52 Rating, Deduct	*-1,082.30*	
		For Class 54 Rating, Add	*737.93*	
		For Class 55 Rating, Add	*1,640.18*	
40 05 19 00-3577	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,024.25	1,393.60
		For Class 52 Rating, Deduct	*-1,200.40*	
		For Class 54 Rating, Add	*818.46*	
		For Class 55 Rating, Add	*1,819.15*	
40 05 19 00-3578	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,101.64	1,395.28
		For Class 52 Rating, Deduct	*-1,318.63*	
		For Class 54 Rating, Add	*899.07*	
		For Class 55 Rating, Add	*1,998.33*	
40 05 19 00-3579	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,186.40	1,396.96
		For Class 52 Rating, Deduct	*-1,437.68*	
		For Class 54 Rating, Add	*980.24*	
		For Class 55 Rating, Add	*2,178.74*	
40 05 19 00-3580	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,268.69	1,398.63
		For Class 52 Rating, Deduct	*-1,556.45*	
		For Class 54 Rating, Add	*1,061.22*	
		For Class 55 Rating, Add	*2,358.73*	
40 05 19 00-3581	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,348.53	1,400.30
		For Class 52 Rating, Deduct	*-1,674.95*	
		For Class 54 Rating, Add	*1,142.01*	
		For Class 55 Rating, Add	*2,538.32*	
40 05 19 00-3582	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,438.18	1,401.98
		For Class 52 Rating, Deduct	*-1,794.54*	
		For Class 54 Rating, Add	*1,223.55*	
		For Class 55 Rating, Add	*2,719.54*	
40 05 19 00-3583	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,522.93	1,403.66
		For Class 52 Rating, Deduct	*-1,913.58*	
		For Class 54 Rating, Add	*1,304.71*	
		For Class 55 Rating, Add	*2,899.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3584	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,613.80	1,405.33
		For Class 52 Rating, Deduct	*-2,033.30*	
		For Class 54 Rating, Add	*1,386.34*	
		For Class 55 Rating, Add	*3,081.37*	
40 05 19 00-3585	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,697.32	1,407.01
		For Class 52 Rating, Deduct	*-2,152.20*	
		For Class 54 Rating, Add	*1,467.41*	
		For Class 55 Rating, Add	*3,261.57*	
40 05 19 00-3586	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,783.29	1,408.69
		For Class 52 Rating, Deduct	*-2,271.38*	
		For Class 54 Rating, Add	*1,548.67*	
		For Class 55 Rating, Add	*3,442.17*	
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,875.40	1,410.37
		For Class 52 Rating, Deduct	*-2,391.23*	
		For Class 54 Rating, Add	*1,630.39*	
		For Class 55 Rating, Add	*3,623.80*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,961.37	1,412.05
		For Class 52 Rating, Deduct	*-2,510.41*	
		For Class 54 Rating, Add	*1,711.64*	
		For Class 55 Rating, Add	*3,804.41*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,047.34	1,413.72
		For Class 52 Rating, Deduct	*-2,629.59*	
		For Class 54 Rating, Add	*1,792.90*	
		For Class 55 Rating, Add	*3,985.02*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,140.66	1,415.40
		For Class 52 Rating, Deduct	*-2,749.57*	
		For Class 54 Rating, Add	*1,874.71*	
		For Class 55 Rating, Add	*4,166.85*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,227.87	1,417.08
		For Class 52 Rating, Deduct	*-2,868.88*	
		For Class 54 Rating, Add	*1,956.06*	
		For Class 55 Rating, Add	*4,347.66*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,313.84	1,418.76
		For Class 52 Rating, Deduct	*-2,988.06*	
		For Class 54 Rating, Add	*2,037.32*	
		For Class 55 Rating, Add	*4,528.27*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,409.61	1,420.44
		For Class 52 Rating, Deduct	*-3,108.32*	
		For Class 54 Rating, Add	*2,119.31*	
		For Class 55 Rating, Add	*4,710.51*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,498.04	1,422.11
		For Class 52 Rating, Deduct	*-3,227.77*	
		For Class 54 Rating, Add	*2,200.75*	
		For Class 55 Rating, Add	*4,891.53*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,585.23	1,423.79
		For Class 52 Rating, Deduct	*-3,347.08*	
		For Class 54 Rating, Add	*2,282.10*	
		For Class 55 Rating, Add	*5,072.34*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,679.78	1,425.47
		For Class 52 Rating, Deduct	*-3,467.20*	
		For Class 54 Rating, Add	*2,364.00*	
		For Class 55 Rating, Add	*5,254.38*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,768.20	1,427.15
		For Class 52 Rating, Deduct	*-3,586.64*	
		For Class 54 Rating, Add	*2,445.44*	
		For Class 55 Rating, Add	*5,435.40*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,855.40	1,428.82
		For Class 52 Rating, Deduct	*-3,705.96*	
		For Class 54 Rating, Add	*2,526.79*	
		For Class 55 Rating, Add	*5,616.21*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,951.17	1,430.50
		For Class 52 Rating, Deduct	*-3,826.21*	
		For Class 54 Rating, Add	*2,608.78*	
		For Class 55 Rating, Add	*5,798.45*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,039.60	1,432.18
		For Class 52 Rating, Deduct	*-3,945.66*	
		For Class 54 Rating, Add	*2,690.22*	
		For Class 55 Rating, Add	*5,979.47*	
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,999.33	1,433.86
		For Class 52 Rating, Deduct	*-4,050.95*	
		For Class 54 Rating, Add	*2,762.01*	
		For Class 55 Rating, Add	*6,139.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,225.02	1,435.53
		For Class 52 Rating, Deduct	*-4,185.50*	
		For Class 54 Rating, Add	*2,853.75*	
		For Class 55 Rating, Add	*6,342.93*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,312.22	1,437.21
		For Class 52 Rating, Deduct	*-4,304.81*	
		For Class 54 Rating, Add	*2,935.10*	
		For Class 55 Rating, Add	*6,523.74*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,410.45	1,438.88
		For Class 52 Rating, Deduct	*-4,425.34*	
		For Class 54 Rating, Add	*3,017.27*	
		For Class 55 Rating, Add	*6,706.39*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,497.65	1,440.55
		For Class 52 Rating, Deduct	*-4,544.65*	
		For Class 54 Rating, Add	*3,098.62*	
		For Class 55 Rating, Add	*6,887.21*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,584.84	1,442.23
		For Class 52 Rating, Deduct	*-4,663.96*	
		For Class 54 Rating, Add	*3,179.97*	
		For Class 55 Rating, Add	*7,068.02*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,683.07	1,443.91
		For Class 52 Rating, Deduct	*-4,784.49*	
		For Class 54 Rating, Add	*3,262.15*	
		For Class 55 Rating, Add	*7,250.67*	

40 05 19 00-3608 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2059)*

40 05 19 00-3609	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	560.13	80.91
40 05 19 00-3610	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	827.17	103.46
40 05 19 00-3611	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,194.82	117.20
40 05 19 00-3612	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,715.44	148.58
40 05 19 00-3613	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,146.87	164.76
40 05 19 00-3614	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,643.94	178.98
40 05 19 00-3615	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,246.37	220.66
40 05 19 00-3616	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,078.00	264.79
40 05 19 00-3617	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,979.88	333.44
40 05 19 00-3618	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,464.85	377.57
40 05 19 00-3619	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	11,625.23	500.16
40 05 19 00-3620	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	17,321.60	566.36
40 05 19 00-3621	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	29,712.46	647.27
40 05 19 00-3622	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	39,335.69	794.38

40 05 19 00-3623 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2059)*

40 05 19 00-3624	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	531.94	80.91
40 05 19 00-3625	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	780.60	103.46
40 05 19 00-3626	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,079.61	117.20
40 05 19 00-3627	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,551.21	148.58
40 05 19 00-3628	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,934.84	164.76
40 05 19 00-3629	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,260.33	178.98
40 05 19 00-3630	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,778.19	220.66
40 05 19 00-3631	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,543.64	264.79
40 05 19 00-3632	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,456.54	333.44
40 05 19 00-3633	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,880.15	377.57
40 05 19 00-3634	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	11,344.56	500.16
40 05 19 00-3635	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	16,946.57	566.36
40 05 19 00-3636	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	25,719.46	647.27
40 05 19 00-3637	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	34,816.91	794.38

40 05 19 00-3638 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2059)*

40 05 19 00-3639	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	530.71	80.91
40 05 19 00-3640	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	764.67	103.46
40 05 19 00-3641	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,069.81	117.20
40 05 19 00-3642	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,513.22	148.58
40 05 19 00-3643	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,019.41	164.76
40 05 19 00-3644	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,518.93	178.98
40 05 19 00-3645	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,837.02	220.66
40 05 19 00-3646	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,614.72	264.79
40 05 19 00-3647	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,761.72	333.44
40 05 19 00-3648	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,584.87	377.57
40 05 19 00-3649	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	11,469.57	500.16
40 05 19 00-3650	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	17,232.14	566.36
40 05 19 00-3651	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	26,289.36	647.27
40 05 19 00-3652	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	35,562.07	794.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3653		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2059)*		
40 05 19 00-3654	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	578.51	80.91
40 05 19 00-3655	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	854.14	103.46
40 05 19 00-3656	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,106.57	117.20
40 05 19 00-3657	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,644.35	148.58
40 05 19 00-3658	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,263.30	164.76
40 05 19 00-3659	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,581.44	178.98
40 05 19 00-3660	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,100.52	220.66
40 05 19 00-3661	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,614.72	264.79
40 05 19 00-3662	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,761.72	333.44
40 05 19 00-3663	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,834.90	377.57
40 05 19 00-3664	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	11,592.13	500.16
40 05 19 00-3665	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	17,357.15	566.36
40 05 19 00-3666	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	26,420.50	647.27
40 05 19 00-3667	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	35,826.80	794.38
40 05 19 00-3668		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2059)*		
40 05 19 00-3669	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	808.86	92.18
40 05 19 00-3670	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,052.12	99.05
40 05 19 00-3671	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,141.51	110.33
40 05 19 00-3672	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,584.52	114.74
40 05 19 00-3673	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,610.18	126.02
40 05 19 00-3674	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,729.66	132.89
40 05 19 00-3675	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,893.67	134.36
40 05 19 00-3676	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,118.55	141.22
40 05 19 00-3677	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,214.64	156.91
40 05 19 00-3678	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,211.70	141.22
40 05 19 00-3679	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,401.05	148.09
40 05 19 00-3680	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,601.30	163.78
40 05 19 00-3681	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,829.64	172.12
40 05 19 00-3682	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,546.00	162.06
40 05 19 00-3683	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,699.80	168.93
40 05 19 00-3684	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,007.91	184.62
40 05 19 00-3685	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,237.10	192.71
40 05 19 00-3686	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,424.36	199.82
40 05 19 00-3687	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,958.14	184.13
40 05 19 00-3688	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,434.28	191.00
40 05 19 00-3689	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,491.14	206.69
40 05 19 00-3690	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,646.80	214.78
40 05 19 00-3691	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,907.59	221.88
40 05 19 00-3692	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,186.74	242.73
40 05 19 00-3693	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,703.84	218.46
40 05 19 00-3694	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,907.90	225.32
40 05 19 00-3695	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,700.12	241.01
40 05 19 00-3696	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,842.28	249.10
40 05 19 00-3697	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,283.24	256.21
40 05 19 00-3698	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,138.34	277.05
40 05 19 00-3699	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,400.95	299.12
40 05 19 00-3700	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,150.39	240.52
40 05 19 00-3701	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,350.76	247.39
40 05 19 00-3702	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,683.39	263.08
40 05 19 00-3703	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,926.06	271.17
40 05 19 00-3704	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,397.66	278.28
40 05 19 00-3705	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,814.06	299.12
40 05 19 00-3706	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,923.49	321.19
40 05 19 00-3707	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,262.50	317.64
40 05 19 00-3708	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,786.33	332.47
40 05 19 00-3709	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,292.25	339.57
40 05 19 00-3710	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,531.04	360.41
40 05 19 00-3711	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,867.29	382.47
40 05 19 00-3712	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,927.01	416.80
40 05 19 00-3713	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,024.26	438.87
40 05 19 00-3714	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,369.26	449.90
40 05 19 00-3715	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,799.87	471.97
40 05 19 00-3716	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,593.79	533.27
40 05 19 00-3717	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,868.72	490.36
40 05 19 00-3718	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,418.13	512.42
40 05 19 00-3719	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,368.83	573.72
40 05 19 00-3720	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	33,445.62	606.81
40 05 19 00-3721	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,985.70	592.11
40 05 19 00-3722	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,765.08	653.40
40 05 19 00-3723	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	35,752.82	686.50
40 05 19 00-3724	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,410.47	726.95
40 05 19 00-3725		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-2059)*		
40 05 19 00-3726	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	664.31	80.91
40 05 19 00-3727	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,055.13	103.46
40 05 19 00-3728	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,582.11	117.20
40 05 19 00-3729	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,215.48	148.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3730	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,117.54	164.76
40 05 19 00-3731	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,661.19	178.98
40 05 19 00-3732	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,669.29	220.66
40 05 19 00-3733	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,717.85	264.79
40 05 19 00-3734	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,643.10	333.44
40 05 19 00-3735	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	11,193.13	377.57
40 05 19 00-3736	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,450.68	500.16
40 05 19 00-3737	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	29,532.26	566.36
40 05 19 00-3738	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	45,596.24	647.27

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-2059)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	698.62	80.91
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	987.73	103.46
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,627.45	117.20
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,181.17	148.58
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,930.03	164.76
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,481.03	178.98
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,241.55	220.66
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,257.03	264.79
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,796.21	333.44
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,580.24	377.57
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	15,500.57	500.16
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	22,128.41	566.36
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	39,109.14	647.27
40 05 19 00-3753	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	43,854.48	794.38

40 05 19 00-3754 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-2059)*

40 05 19 00-3755	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	845.23	129.94
40 05 19 00-3756	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,097.68	159.86
40 05 19 00-3757	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,608.79	178.49
40 05 19 00-3758	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,284.19	231.94
40 05 19 00-3759	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,079.69	253.02
40 05 19 00-3760	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,156.56	272.15
40 05 19 00-3761	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,471.40	343.25
40 05 19 00-3762	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,567.85	392.29
40 05 19 00-3763	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,003.40	495.26
40 05 19 00-3764	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	10,399.12	546.75
40 05 19 00-3765	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	17,154.17	755.15
40 05 19 00-3766	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	24,340.35	865.48
40 05 19 00-3767	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	52,406.23	1,000.33

40 05 19 00-3768 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-2059)*

40 05 19 00-3769	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,137.88	145.15
40 05 19 00-3770	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,492.88	148.09
40 05 19 00-3771	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,459.83	166.72
40 05 19 00-3772	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,003.21	163.78
40 05 19 00-3773	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,941.98	182.41
40 05 19 00-3774	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,022.32	194.18
40 05 19 00-3775	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,573.49	172.12
40 05 19 00-3776	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,533.09	190.75
40 05 19 00-3777	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,641.61	202.52
40 05 19 00-3778	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,043.21	240.27
40 05 19 00-3779	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,715.12	178.98
40 05 19 00-3780	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,615.88	197.61
40 05 19 00-3781	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,741.57	209.38
40 05 19 00-3782	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,869.87	247.14
40 05 19 00-3783	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,068.50	260.13
40 05 19 00-3784	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,490.64	199.82
40 05 19 00-3785	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,755.32	218.46
40 05 19 00-3786	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,838.10	230.23
40 05 19 00-3787	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,638.03	267.98
40 05 19 00-3788	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,133.16	280.97
40 05 19 00-3789	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,956.58	292.99
40 05 19 00-3790	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,195.65	240.52
40 05 19 00-3791	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,954.96	252.29
40 05 19 00-3792	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,903.11	290.05
40 05 19 00-3793	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,620.07	303.04
40 05 19 00-3794	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,722.93	315.05
40 05 19 00-3795	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,013.56	365.32
40 05 19 00-3796	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,017.42	274.85
40 05 19 00-3797	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,111.24	286.61
40 05 19 00-3798	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,284.88	324.38
40 05 19 00-3799	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,496.99	337.37
40 05 19 00-3800	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,553.18	349.38
40 05 19 00-3801	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,743.40	399.64
40 05 19 00-3802	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,860.26	426.61
40 05 19 00-3803	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,962.70	296.92
40 05 19 00-3804	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,233.00	308.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,431.16	346.44
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,247.49	359.43
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,418.90	371.45
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,596.77	421.70
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,146.43	448.67
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,465.14	479.45
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	13,888.30	358.20
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	13,946.57	369.97
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,251.34	407.73
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,271.03	420.73
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,289.23	432.74
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,365.39	483.00
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,814.38	509.97
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,515.26	578.62
40 05 19 00-3819	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,954.76	608.04
40 05 19 00-3820	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,950.06	512.66
40 05 19 00-3821	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,128.41	521.99
40 05 19 00-3822	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,209.33	548.71
40 05 19 00-3823	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,349.10	559.25
40 05 19 00-3824	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,405.26	568.82
40 05 19 00-3825	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,540.01	604.37
40 05 19 00-3826	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,620.05	628.88
40 05 19 00-3827	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,861.07	680.37
40 05 19 00-3828	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,272.66	706.12
40 05 19 00-3829	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,556.09	810.31
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	30,445.20	494.28
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	30,508.75	506.29
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	30,670.70	556.56
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	30,755.67	583.52
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	31,034.95	652.17
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	31,431.28	681.59
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	39,376.67	828.70
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	50,331.66	905.93
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	40,933.28	573.96
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	40,951.48	585.97
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,157.54	636.24
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,198.41	663.21
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,477.68	731.85
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,831.11	761.28
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,668.03	908.38

40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2059)*

40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	916.32	129.94
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,304.81	159.86
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,959.31	178.49
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,948.47	231.94
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,001.34	253.02
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,515.66	272.15
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,530.32	343.25
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,694.18	392.29
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	8,808.71	495.26
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,754.72	546.75
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	21,193.75	755.15
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	30,272.26	865.48

40 05 19 00-3858 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2059)*

40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	738.61	129.94
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,089.10	159.86
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,636.97	178.49
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,159.18	231.94
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,307.65	253.02
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,458.06	272.15

40 05 19 00-3865 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2059)*

40 05 19 00-3866	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	944.03	178.98
40 05 19 00-3867	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,353.98	193.93
40 05 19 00-3868	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,400.05	216.25
40 05 19 00-3869	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,771.84	197.12
40 05 19 00-3870	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,884.76	223.11
40 05 19 00-3871	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,921.05	239.78
40 05 19 00-3872	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,348.37	212.81
40 05 19 00-3873	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,531.13	238.81
40 05 19 00-3874	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,735.34	255.48
40 05 19 00-3875	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,288.03	315.30
40 05 19 00-3876	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,095.99	220.90
40 05 19 00-3877	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,206.45	246.90
40 05 19 00-3878	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,410.65	263.57
40 05 19 00-3879	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,000.11	323.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3880	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,735.54	341.29
40 05 19 00-3881	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,880.27	254.01
40 05 19 00-3882	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,084.47	270.68
40 05 19 00-3883	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,422.68	330.50
40 05 19 00-3884	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,773.36	348.40
40 05 19 00-3885	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,975.47	365.32
40 05 19 00-3886	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,643.52	274.85
40 05 19 00-3887	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,882.04	291.51
40 05 19 00-3888	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,221.48	351.34
40 05 19 00-3889	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,606.47	369.24
40 05 19 00-3890	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,738.91	386.15
40 05 19 00-3891	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,181.80	465.84
40 05 19 00-3892	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,876.73	296.92
40 05 19 00-3893	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,115.24	313.58
40 05 19 00-3894	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,383.59	373.41
40 05 19 00-3895	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,768.59	391.31
40 05 19 00-3896	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,577.39	408.22
40 05 19 00-3897	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,020.45	487.90
40 05 19 00-3898	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,280.77	519.77
40 05 19 00-3899	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,295.28	331.23
40 05 19 00-3900	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,550.95	347.91
40 05 19 00-3901	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,794.79	407.73
40 05 19 00-3902	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,205.53	425.63
40 05 19 00-3903	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,309.60	442.55
40 05 19 00-3904	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,735.60	522.23
40 05 19 00-3905	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,013.08	554.10
40 05 19 00-3906	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,707.13	657.08
40 05 19 00-3907	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,353.41	353.30
40 05 19 00-3908	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,534.32	369.97
40 05 19 00-3909	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,892.14	429.79
40 05 19 00-3910	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,149.68	447.70
40 05 19 00-3911	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,290.51	464.61
40 05 19 00-3912	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,679.65	544.29
40 05 19 00-3913	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,454.90	576.17
40 05 19 00-3914	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,051.12	641.27
40 05 19 00-3915	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	14,239.09	715.92
40 05 19 00-3916	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,021.25	508.99
40 05 19 00-3917	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,087.33	525.91
40 05 19 00-3918	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,494.85	605.59
40 05 19 00-3919	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,627.70	637.46
40 05 19 00-3920	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,234.75	740.43
40 05 19 00-3921	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,021.28	777.22
40 05 19 00-3922	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	23,471.19	1,010.13
40 05 19 00-3923	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,056.41	647.52
40 05 19 00-3924	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,078.33	661.98
40 05 19 00-3925	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,426.79	726.95
40 05 19 00-3926	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,552.26	756.37
40 05 19 00-3927	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,052.41	842.18
40 05 19 00-3928	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,760.72	875.29
40 05 19 00-3929	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,410.79	1,065.30
40 05 19 00-3930	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	33,195.05	1,164.59
40 05 19 00-3931	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,468.00	679.15
40 05 19 00-3932	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,561.65	711.02
40 05 19 00-3933	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,136.82	813.99
40 05 19 00-3934	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,891.14	850.76
40 05 19 00-3935	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,364.96	1,083.69
40 05 19 00-3936	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,760.99	1,205.05
40 05 19 00-3937	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,867.57	893.67
40 05 19 00-3938	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,621.90	930.45
40 05 19 00-3939	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,232.27	1,163.37

40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2059)*

40 05 19 00-3941	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	687.52	92.18
40 05 19 00-3942	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	924.66	99.05
40 05 19 00-3943	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	980.96	110.33
40 05 19 00-3944	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,240.12	114.74
40 05 19 00-3945	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,230.25	126.02
40 05 19 00-3946	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,385.27	132.89
40 05 19 00-3947	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,592.24	123.08
40 05 19 00-3948	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,613.01	134.36
40 05 19 00-3949	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,727.59	141.22
40 05 19 00-3950	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,876.38	156.91
40 05 19 00-3951	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,962.90	141.22
40 05 19 00-3952	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,116.71	148.09
40 05 19 00-3953	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,263.04	163.78
40 05 19 00-3954	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,192.33	172.12
40 05 19 00-3955	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,333.97	162.06
40 05 19 00-3956	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,219.36	168.93
40 05 19 00-3957	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,396.33	184.62
40 05 19 00-3958	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,688.03	192.71
40 05 19 00-3959	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,030.95	199.82
40 05 19 00-3960	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,826.38	191.00
40 05 19 00-3961	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,029.09	206.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3962	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,996.00	214.78
40 05 19 00-3963	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,372.00	221.88
40 05 19 00-3964	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,328.82	242.73
40 05 19 00-3965	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,447.07	225.32
40 05 19 00-3966	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,662.03	241.01
40 05 19 00-3967	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,568.88	249.10
40 05 19 00-3968	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,031.90	256.21
40 05 19 00-3969	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,777.92	277.05
40 05 19 00-3970	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,520.97	299.12
40 05 19 00-3971	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,019.11	263.08
40 05 19 00-3972	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,429.69	271.17
40 05 19 00-3973	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,543.41	278.28
40 05 19 00-3974	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,937.67	299.12
40 05 19 00-3975	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,809.42	321.19
40 05 19 00-3976	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,110.44	317.64
40 05 19 00-3977	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,335.99	360.41
40 05 19 00-3978	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,618.22	382.47
40 05 19 00-3979	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,164.15	416.80
40 05 19 00-3980	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,018.73	438.87
40 05 19 00-3981	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,857.04	393.51
40 05 19 00-3982	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,020.39	415.58
40 05 19 00-3983	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,761.18	449.90
40 05 19 00-3984	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,428.25	471.97
40 05 19 00-3985	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,251.67	533.27
40 05 19 00-3986	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,668.93	512.42
40 05 19 00-3987	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,868.61	573.72
40 05 19 00-3988	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	23,418.98	606.81
40 05 19 00-3989	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	24,763.24	592.11
40 05 19 00-3990	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,221.43	653.40
40 05 19 00-3991	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	29,123.55	686.50
40 05 19 00-3992	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,432.68	726.95

40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2059)*

40 05 19 00-3994	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	737.77	92.18
40 05 19 00-3995	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	982.26	99.05
40 05 19 00-3996	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,069.20	110.33
40 05 19 00-3997	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,240.12	114.74
40 05 19 00-3998	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,291.53	126.02
40 05 19 00-3999	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,444.10	132.89
40 05 19 00-4000	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,592.24	123.08
40 05 19 00-4001	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,681.64	134.36
40 05 19 00-4002	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,798.67	141.22
40 05 19 00-4003	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,000.16	156.91
40 05 19 00-4004	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,962.90	141.22
40 05 19 00-4005	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,079.94	148.09
40 05 19 00-4006	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,245.88	163.78
40 05 19 00-4007	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,508.53	172.12
40 05 19 00-4008	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,333.97	162.06
40 05 19 00-4009	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,485.32	168.93
40 05 19 00-4010	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,689.25	184.62
40 05 19 00-4011	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,914.76	192.71
40 05 19 00-4012	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,030.95	199.82
40 05 19 00-4013	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,826.38	191.00
40 05 19 00-4014	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,029.09	206.69
40 05 19 00-4015	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,253.38	214.78
40 05 19 00-4016	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,372.00	221.88
40 05 19 00-4017	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,616.84	242.73
40 05 19 00-4018	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,638.26	225.32
40 05 19 00-4019	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,796.85	241.01
40 05 19 00-4020	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,943.92	249.10
40 05 19 00-4021	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,031.90	256.21
40 05 19 00-4022	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,330.67	277.05
40 05 19 00-4023	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,517.29	299.12
40 05 19 00-4024	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,164.46	247.39
40 05 19 00-4025	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,107.36	263.08
40 05 19 00-4026	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,196.83	271.17
40 05 19 00-4027	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,283.59	278.28
40 05 19 00-4028	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,583.56	299.12
40 05 19 00-4029	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,809.42	321.19
40 05 19 00-4030	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,110.44	317.64
40 05 19 00-4031	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,335.23	339.57
40 05 19 00-4032	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,613.07	360.41
40 05 19 00-4033	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,658.67	382.47
40 05 19 00-4034	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,164.15	416.80
40 05 19 00-4035	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,018.73	438.87
40 05 19 00-4036	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,141.29	393.51
40 05 19 00-4037	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,598.78	415.58
40 05 19 00-4038	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,267.27	449.90
40 05 19 00-4039	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,385.35	471.97
40 05 19 00-4040	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,468.60	533.27
40 05 19 00-4041	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,668.93	512.42
40 05 19 00-4042	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,868.61	573.72
40 05 19 00-4043	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	23,418.98	606.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4044	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,221.43	653.40
40 05 19 00-4045	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	29,123.55	686.50
40 05 19 00-4046	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,432.68	726.95

40 05 19 00-4047 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2059)*

40 05 19 00-4048	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	346.12	31.87
40 05 19 00-4049	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	527.24	47.07
40 05 19 00-4050	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	707.30	55.90
40 05 19 00-4051	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,036.40	65.22
40 05 19 00-4052	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,378.27	76.49
40 05 19 00-4053	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,908.37	85.81
40 05 19 00-4054	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,308.10	98.07
40 05 19 00-4055	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,104.12	137.30
40 05 19 00-4056	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,173.38	171.63
40 05 19 00-4057	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	6,138.59	208.40
40 05 19 00-4058	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,926.13	242.73
40 05 19 00-4059	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	16,827.96	267.24
40 05 19 00-4060	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	24,170.94	294.22
40 05 19 00-4061	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	32,251.89	330.99

40 05 19 00-4062 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4063	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	36.78	
		For Zinc Plated, Add	*10.30*	
		For Hot Dip Galvanized, Add	*14.71*	
40 05 19 00-4064	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	56.75	
		For Zinc Plated, Add	*15.89*	
		For Hot Dip Galvanized, Add	*22.70*	
40 05 19 00-4065	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	61.62	
		For Zinc Plated, Add	*17.25*	
		For Hot Dip Galvanized, Add	*24.65*	
40 05 19 00-4066	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	138.42	
		For Zinc Plated, Add	*38.76*	
		For Hot Dip Galvanized, Add	*55.37*	
40 05 19 00-4067	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	139.64	
		For Zinc Plated, Add	*39.10*	
		For Hot Dip Galvanized, Add	*55.86*	
40 05 19 00-4068	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	156.45	
		For Zinc Plated, Add	*43.81*	
		For Hot Dip Galvanized, Add	*62.58*	
40 05 19 00-4069	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	263.00	
		For Zinc Plated, Add	*73.64*	
		For Hot Dip Galvanized, Add	*105.20*	
40 05 19 00-4070	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	382.08	
		For Zinc Plated, Add	*106.98*	
		For Hot Dip Galvanized, Add	*152.83*	
40 05 19 00-4071	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	482.42	
		For Zinc Plated, Add	*135.08*	
		For Hot Dip Galvanized, Add	*192.97*	
40 05 19 00-4072	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	690.25	
		For Zinc Plated, Add	*193.27*	
		For Hot Dip Galvanized, Add	*276.10*	
40 05 19 00-4073	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	1,090.70	
		For Zinc Plated, Add	*305.40*	
		For Hot Dip Galvanized, Add	*436.28*	
40 05 19 00-4074	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,555.91	
		For Zinc Plated, Add	*435.65*	
		For Hot Dip Galvanized, Add	*622.36*	
40 05 19 00-4075	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,001.64	
		For Zinc Plated, Add	*560.46*	
		For Hot Dip Galvanized, Add	*800.66*	
40 05 19 00-4076	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	2,446.44	
		For Zinc Plated, Add	*685.00*	
		For Hot Dip Galvanized, Add	*978.58*	

40 05 19 00-4077 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4078 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4077)*

40 05 19 00-4079	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	6.15	
40 05 19 00-4080	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	7.82	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4081	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.62	
40 05 19 00-4082	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	12.29	
40 05 19 00-4083	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	13.41	
40 05 19 00-4084	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	22.35	
40 05 19 00-4085	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	27.38	
40 05 19 00-4086	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.06	
40 05 19 00-4087	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	44.70	
40 05 19 00-4088	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	48.05	
40 05 19 00-4089	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	62.02	
40 05 19 00-4090	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	70.96	
40 05 19 00-4091	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	75.99	
40 05 19 00-4092	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.25	
40 05 19 00-4093		Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4077)*		
		Note: (Acrylonitrile Butadiene)		
40 05 19 00-4094	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	19.00	
40 05 19 00-4095	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	26.82	
40 05 19 00-4096	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	41.35	
40 05 19 00-4097	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	45.26	
40 05 19 00-4098	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	48.61	
40 05 19 00-4099	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	91.64	
40 05 19 00-4100	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	112.87	
40 05 19 00-4101	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	113.43	
40 05 19 00-4102	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	117.90	
40 05 19 00-4103	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	124.60	
40 05 19 00-4104	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	138.01	
40 05 19 00-4105	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.98	
40 05 19 00-4106	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	216.24	
40 05 19 00-4107	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	236.35	
40 05 19 00-4108		Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4077)*		
40 05 19 00-4109	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	16.76	
40 05 19 00-4110	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	21.79	
40 05 19 00-4111	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.61	
40 05 19 00-4112	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	34.64	
40 05 19 00-4113	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	38.55	
40 05 19 00-4114	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	63.70	
40 05 19 00-4115	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	76.55	
40 05 19 00-4116	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	77.11	
40 05 19 00-4117	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	78.78	
40 05 19 00-4118	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	91.64	
40 05 19 00-4119	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	112.31	
40 05 19 00-4120	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	127.95	
40 05 19 00-4121	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	183.27	
40 05 19 00-4122	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	202.27	
40 05 19 00-4123		Full Face Flange Neoprene Gaskets *(40 05 19 00-4077)*		
		Note: (Polychloroprene)		
40 05 19 00-4124	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	19.56	
40 05 19 00-4125	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	27.38	
40 05 19 00-4126	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	41.91	
40 05 19 00-4127	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	45.26	
40 05 19 00-4128	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	48.61	
40 05 19 00-4129	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	64.82	
40 05 19 00-4130	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	113.98	
40 05 19 00-4131	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	114.54	
40 05 19 00-4132	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	121.25	
40 05 19 00-4133	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	122.92	
40 05 19 00-4134	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	133.54	
40 05 19 00-4135	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	150.30	
40 05 19 00-4136	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	217.91	
40 05 19 00-4137	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	238.59	
40 05 19 00-4138		Full Face Flange FKM Gaskets *(40 05 19 00-4077)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4139	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	57.07	
40 05 19 00-4140	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	84.98	
40 05 19 00-4141	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	113.51	
40 05 19 00-4142	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	136.98	
40 05 19 00-4143	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	178.20	
40 05 19 00-4144	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	325.95	
40 05 19 00-4145	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	373.51	
40 05 19 00-4146	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	391.27	
40 05 19 00-4147	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	417.27	
40 05 19 00-4148	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	577.08	
40 05 19 00-4149	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	691.86	
40 05 19 00-4150	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	729.91	
40 05 19 00-4151	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	910.01	
40 05 19 00-4152	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	953.76	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4153		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4154	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	273.20	52.28
40 05 19 00-4155	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	378.72	63.83
40 05 19 00-4156	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	560.20	77.85
40 05 19 00-4157	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	769.08	94.97
40 05 19 00-4158	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	976.28	115.81
40 05 19 00-4159	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,567.37	141.29
40 05 19 00-4160	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,463.66	172.43
40 05 19 00-4161	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,544.63	210.31
40 05 19 00-4162	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,117.54	256.64
40 05 19 00-4163	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,474.27	313.02
40 05 19 00-4164	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,477.05	381.96
40 05 19 00-4165	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,653.15	465.93
40 05 19 00-4166	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	17,328.05	568.50
40 05 19 00-4167	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	22,132.64	693.52

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly *(40 05 23 23)*

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	23.83	6.26
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.92*	
		For Work In Restricted Working Space, Add	*3.78*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	26.75	7.19
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.06*	
		For Work In Restricted Working Space, Add	*4.49*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	31.16	8.11
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.59*	
		For Work In Restricted Working Space, Add	*5.21*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	36.12	9.80
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.53*	
		For Work In Restricted Working Space, Add	*5.61*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	40.01	10.08
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.19*	
		For Work In Restricted Working Space, Add	*6.02*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	48.49	13.31
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*6.33*	
		For Work In Restricted Working Space, Add	*7.25*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	71.78	16.42
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*10.88*	
		For Work In Restricted Working Space, Add	*8.98*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	91.11	19.02
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*14.17*	
		For Work In Restricted Working Space, Add	*10.98*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	124.93	19.02
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*13.94*	

40 05 23 23-0011 Stainless Steel Tubing And Fittings *(40 05 23 23)*

40 05 23 23-0012 Type 304 Tubing *(40 05 23 23-0011)*

40 05 23 23-0013 0.035" Wall *(40 05 23 23-0012)*

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	5.92	2.07
		For Work In Restricted Working Space, Add	*1.23*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	6.82	2.45
		For Work In Restricted Working Space, Add	*1.48*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	8.18	2.90
		For Work In Restricted Working Space, Add	*1.73*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	13.99	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	16.67	3.67
		For Work In Restricted Working Space, Add	*2.22*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	18.43	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	20.44	4.97
		For Work In Restricted Working Space, Add	*2.96*	

40 05 23 23-0021 0.049" Wall *(40 05 23 23-0012)*

40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	10.31	2.45
		For Work In Restricted Working Space, Add	*1.48*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	11.42	2.90
		For Work In Restricted Working Space, Add	*1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	13.82	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	17.50	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	19.91	4.97
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	22.28	5.73
		For Work In Restricted Working Space, Add	*3.45*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	25.76	6.50
		For Work In Restricted Working Space, Add	*3.92*	
40 05 23 23-0029		**0.065" Wall** *(40 05 23 23-0012)*		
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	12.03	2.90
		For Work In Restricted Working Space, Add	*1.73*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	13.86	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	17.05	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	19.99	4.97
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	23.62	5.73
		For Work In Restricted Working Space, Add	*3.45*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	27.18	6.50
		For Work In Restricted Working Space, Add	*3.92*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	30.64	7.35
		For Work In Restricted Working Space, Add	*4.41*	
40 05 23 23-0037		**Type 304 Tube Fittings** *(40 05 23 23-0011)*		
40 05 23 23-0038		**90 Degree Elbows** *(40 05 23 23-0037)*		
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	39.36	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	46.89	9.03
		For Work In Restricted Working Space, Add	*5.40*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	72.20	10.18
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	76.88	11.40
		For Work In Restricted Working Space, Add	*6.85*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	86.21	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	119.24	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	152.36	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0046		**Union Tees** *(40 05 23 23-0037)*		
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	62.79	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	76.76	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	106.44	15.30
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	114.10	17.36
		For Work In Restricted Working Space, Add	*10.43*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	147.41	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	238.37	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	285.73	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0054		**Unions** *(40 05 23 23-0037)*		
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	59.76	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	78.47	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	107.56	15.30
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	131.71	17.36
		For Work In Restricted Working Space, Add	*10.43*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	158.13	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	246.92	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	261.50	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0062		**Male Connectors** *(40 05 23 23-0037)*		
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	28.50	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	36.22	9.03
		For Work In Restricted Working Space, Add	*5.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	47.65	10.18
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	53.74	11.40
		For Work In Restricted Working Space, Add	*6.85*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	65.64	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	101.20	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	105.04	16.29
		For Work In Restricted Working Space, Add	*9.77*	

40 05 23 23-0070 Type 304 Valves *(40 05 23 23-0011)*

40 05 23 23-0071 Gate Valves *(40 05 23 23-0070)*

40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	156.88	12.31
		For Work In Restricted Working Space, Add	*6.68*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	266.17	14.46
		For Work In Restricted Working Space, Add	*7.03*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	275.28	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	304.99	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	278.02	24.71
		For Work In Restricted Working Space, Add	*14.80*	

40 05 23 23-0077 Globe Valves *(40 05 23 23-0070)*

40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	159.09	12.31
		For Work In Restricted Working Space, Add	*6.68*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	103.97	14.46
		For Work In Restricted Working Space, Add	*7.03*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	188.04	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	209.18	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	305.79	24.71
		For Work In Restricted Working Space, Add	*14.80*	

40 05 23 23-0083 Check Valves *(40 05 23 23-0070)*

40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	223.90	12.31
		For Work In Restricted Working Space, Add	*6.68*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	225.07	14.46
		For Work In Restricted Working Space, Add	*7.03*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	145.26	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	151.65	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	166.95	24.71
		For Work In Restricted Working Space, Add	*14.80*	

40 05 23 23-0089 Plug Valves *(40 05 23 23-0070)*

40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	346.56	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	379.23	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	428.48	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	596.74	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	776.59	38.24
		For Work In Restricted Working Space, Add	*22.94*	

40 05 23 23-0095 Type 316 Tubing *(40 05 23 23-0011)*

40 05 23 23-0096 0.035" Wall *(40 05 23 23-0095)*

40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	6.20	2.07
		For Work In Restricted Working Space, Add	*1.23*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	8.18	2.45
		For Work In Restricted Working Space, Add	*1.48*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	9.01	2.90
		For Work In Restricted Working Space, Add	*1.73*	
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	16.18	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	18.37	3.67
		For Work In Restricted Working Space, Add	*2.22*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	23.66	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	24.49	4.97
		For Work In Restricted Working Space, Add	*2.96*	

40 05 23 23-0104 0.049" Wall *(40 05 23 23-0095)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	11.48	2.45
		For Work In Restricted Working Space, Add	*1.48*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	12.65	2.90
		For Work In Restricted Working Space, Add	*1.73*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	14.98	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	19.63	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	22.56	4.97
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	29.08	5.73
		For Work In Restricted Working Space, Add	*3.45*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	29.33	6.50
		For Work In Restricted Working Space, Add	*3.92*	

40 05 23 23-0112 0.065" Wall *(40 05 23 23-0095)*

40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	13.43	2.90
		For Work In Restricted Working Space, Add	*1.73*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	14.93	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	18.73	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	22.30	4.97
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	27.15	5.73
		For Work In Restricted Working Space, Add	*3.45*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	29.81	6.50
		For Work In Restricted Working Space, Add	*3.92*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	34.87	7.35
		For Work In Restricted Working Space, Add	*4.41*	

40 05 23 23-0120 Type 316 Tube Fittings *(40 05 23 23-0011)*

40 05 23 23-0121 90 Degree Elbows *(40 05 23 23-0120)*

40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	55.90	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	67.76	9.03
		For Work In Restricted Working Space, Add	*5.40*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	109.61	10.18
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	115.91	11.40
		For Work In Restricted Working Space, Add	*6.85*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	130.63	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	185.60	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	238.87	16.29
		For Work In Restricted Working Space, Add	*9.77*	

40 05 23 23-0129 Union Tees *(40 05 23 23-0120)*

40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	90.31	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	112.46	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	161.20	15.30
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	171.37	17.36
		For Work In Restricted Working Space, Add	*10.43*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	226.90	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	380.62	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	456.39	24.71
		For Work In Restricted Working Space, Add	*14.80*	

40 05 23 23-0137 Unions *(40 05 23 23-0120)*

40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	55.56	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	72.36	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	98.36	15.30
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	120.12	17.36
		For Work In Restricted Working Space, Add	*10.43*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	143.68	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	222.35	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	236.14	24.71
		For Work In Restricted Working Space, Add	*14.80*	

40 05 23 23-0145 Male Connectors *(40 05 23 23-0120)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	37.03	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	49.10	9.03
		For Work In Restricted Working Space, Add	*5.40*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	66.93	10.18
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	75.59	11.40
		For Work In Restricted Working Space, Add	*6.85*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	94.60	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	153.43	13.69
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	156.30	16.29
		For Work In Restricted Working Space, Add	*9.77*	

40 05 23 23-0153 Type 316 Valves *(40 05 23 23-0011)*

40 05 23 23-0154 Gate Valves *(40 05 23 23-0153)*

40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	200.34	12.31
		For Work In Restricted Working Space, Add	*6.68*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	344.54	14.46
		For Work In Restricted Working Space, Add	*7.03*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	353.65	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	391.42	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	351.85	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	486.03	25.62
		For Work In Restricted Working Space, Add	*15.38*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	785.09	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	932.16	38.24
		For Work In Restricted Working Space, Add	*22.94*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	1,363.05	122.45
		For Work In Restricted Working Space, Add	*73.45*	

40 05 23 23-0164 Globe Valves *(40 05 23 23-0153)*

40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	203.26	12.31
		For Work In Restricted Working Space, Add	*6.68*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	129.97	14.46
		For Work In Restricted Working Space, Add	*7.03*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	238.24	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	264.67	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	388.59	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	487.05	25.47
		For Work In Restricted Working Space, Add	*15.26*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	814.26	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	961.33	38.24
		For Work In Restricted Working Space, Add	*22.94*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,178.30	122.45
		For Work In Restricted Working Space, Add	*73.45*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	289.00	12.31
		For Work In Restricted Working Space, Add	*6.68*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	290.17	14.46
		For Work In Restricted Working Space, Add	*7.03*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	181.65	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	188.57	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	204.92	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	286.37	25.62
		For Work In Restricted Working Space, Add	*15.38*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	648.96	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	786.31	38.24
		For Work In Restricted Working Space, Add	*22.94*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	1,541.32	122.45
		For Work In Restricted Working Space, Add	*73.45*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	308.98	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	361.06	18.66
		For Work In Restricted Working Space, Add	*11.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	460.19	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	737.41	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,030.71	38.24
		For Work In Restricted Working Space, Add	*22.94*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	411.21	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	472.77	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	571.90	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	894.55	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,218.15	38.24
		For Work In Restricted Working Space, Add	*22.94*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	412.20	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	493.57	18.74
		For Work In Restricted Working Space, Add	*11.24*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	645.66	24.86
		For Work In Restricted Working Space, Add	*14.92*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	803.67	25.62
		For Work In Restricted Working Space, Add	*15.38*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,010.30	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	1,457.74	38.24
		For Work In Restricted Working Space, Add	*22.95*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,003.97	50.87
		For Work In Restricted Working Space, Add	*30.52*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	2,917.44	76.48
		For Work In Restricted Working Space, Add	*45.89*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	3,725.30	122.38
		For Work In Restricted Working Space, Add	*73.42*	

40 05 23 23-0206 Plug Valves *(40 05 23 23-0153)*

40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	439.64	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	480.59	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	540.86	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	757.08	27.91
		For Work In Restricted Working Space, Add	*16.75*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	984.12	38.24
		For Work In Restricted Working Space, Add	*22.94*	

40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 23-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	15.29
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	16.52
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	18.57
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	19.50
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	20.64
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	22.17
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	23.70
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	26.00
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	28.28
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	30.58
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	32.88
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	35.94
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	38.99
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	42.05
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	45.10
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	47.40
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	49.70
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	52.75

40 05 23 23-0231 Stainless Steel Pipe And Fittings *(40 05 23 23)*

40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0232)*

40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	12.10	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.87	4.13
		For Work In Restricted Working Space, Add	*2.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	18.31	4.97
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	22.05	5.73
		For Work In Restricted Working Space, Add	*3.45*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	25.56	6.50
		For Work In Restricted Working Space, Add	*3.92*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	32.68	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	44.68	9.79
		For Work In Restricted Working Space, Add	*5.88*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	56.16	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	76.14	16.29
		For Work In Restricted Working Space, Add	*9.77*	

40 05 23 23-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	27.00	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	35.87	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	46.18	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	64.93	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	77.51	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	94.48	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	159.29	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	205.00	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	283.04	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	27.54	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	36.73	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	46.45	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	64.82	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	76.23	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	94.18	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	165.08	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	216.31	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	296.21	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0263 150#, Type 304 Stainless Steel Threaded Tees *(40 05 23 23-0232)*

40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee	40.47	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee	54.34	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee	67.55	30.59
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	97.66	42.52
		For Work In Restricted Working Space, Add	*25.50*	
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	111.37	47.80
		For Work In Restricted Working Space, Add	*28.68*	
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee	147.72	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	227.70	92.16
		For Work In Restricted Working Space, Add	*55.29*	
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee	309.26	123.37
		For Work In Restricted Working Space, Add	*74.02*	
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee	418.89	152.97
		For Work In Restricted Working Space, Add	*91.78*	

40 05 23 23-0273 150#, Type 304 Stainless Steel Threaded Reducers *(40 05 23 23-0232)*

40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	35.47	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	45.33	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	62.50	28.29
		For Work In Restricted Working Space, Add	*17.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	74.90	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	94.54	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	157.58	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	207.34	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	274.95	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps *(40 05 23 23-0232)*

40 05 23 23-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	13.88	6.20
		For Work In Restricted Working Space, Add	*3.70*	
40 05 23 23-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	18.38	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap	23.29	10.18
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	34.12	14.46
		For Work In Restricted Working Space, Add	*8.66*	
40 05 23 23-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	39.45	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap	50.13	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	77.04	30.59
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap	102.43	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap	139.07	51.02
		For Work In Restricted Working Space, Add	*30.59*	

40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*

40 05 23 23-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union	43.83	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union	57.61	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union	73.66	30.59
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union	106.64	42.52
		For Work In Restricted Working Space, Add	*25.50*	
40 05 23 23-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union	120.08	47.80
		For Work In Restricted Working Space, Add	*28.68*	
40 05 23 23-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union	156.79	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union	270.59	95.61
		For Work In Restricted Working Space, Add	*57.36*	
40 05 23 23-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union	346.70	123.37
		For Work In Restricted Working Space, Add	*74.02*	
40 05 23 23-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union	366.25	101.99
		For Work In Restricted Working Space, Add	*61.20*	

40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*

40 05 23 23-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	26.78	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	35.57	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	45.94	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	63.97	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	75.18	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	92.75	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	154.35	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	199.21	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	257.93	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*

40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	15.03	3.28
		For Work In Restricted Working Space, Add	*1.97*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	17.75	4.13
		For Work In Restricted Working Space, Add	*2.47*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	22.45	4.97
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	27.47	5.73
		For Work In Restricted Working Space, Add	*3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	31.98	6.50
		For Work In Restricted Working Space, Add	*3.92*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	41.27	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	56.69	9.79
		For Work In Restricted Working Space, Add	*5.88*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	74.08	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	99.45	16.29
		For Work In Restricted Working Space, Add	*9.77*	

40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	27.70	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	36.91	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	46.82	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	66.07	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	79.04	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	96.37	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	162.31	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	212.41	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	292.04	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	28.27	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	37.27	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	47.24	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	65.95	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	77.55	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	95.95	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	167.93	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	222.86	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	313.88	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 23-0312)*

40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee	41.21	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee	55.10	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee	68.40	30.59
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	99.39	42.52
		For Work In Restricted Working Space, Add	*25.50*	
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	113.08	47.80
		For Work In Restricted Working Space, Add	*28.68*	
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee	149.97	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	236.89	92.16
		For Work In Restricted Working Space, Add	*55.29*	
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee	321.78	123.37
		For Work In Restricted Working Space, Add	*74.02*	
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee	428.23	152.97
		For Work In Restricted Working Space, Add	*91.78*	

40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 23-0312)*

40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	36.11	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	47.22	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	62.86	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	76.76	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	97.80	40.24
		For Work In Restricted Working Space, Add	*24.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	165.00	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	215.53	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	288.61	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 23-0312)*

40 05 23 23-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	14.30	6.20
		For Work In Restricted Working Space, Add	*3.70*	
40 05 23 23-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	18.69	8.26
		For Work In Restricted Working Space, Add	*4.93*	
40 05 23 23-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap	23.85	10.18
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	35.65	14.46
		For Work In Restricted Working Space, Add	*8.66*	
40 05 23 23-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	41.26	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap	52.49	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	80.96	30.59
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap	106.41	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap	146.96	51.02
		For Work In Restricted Working Space, Add	*30.59*	

40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*

40 05 23 23-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	44.73	18.66
		For Work In Restricted Working Space, Add	*11.19*	
40 05 23 23-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	60.99	24.71
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union	75.37	30.59
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	109.55	42.52
		For Work In Restricted Working Space, Add	*25.50*	
40 05 23 23-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	123.47	47.80
		For Work In Restricted Working Space, Add	*28.68*	
40 05 23 23-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union	160.72	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	276.62	95.61
		For Work In Restricted Working Space, Add	*57.36*	
40 05 23 23-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union	365.50	123.37
		For Work In Restricted Working Space, Add	*74.02*	
40 05 23 23-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union	406.31	101.99
		For Work In Restricted Working Space, Add	*61.20*	

40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*

40 05 23 23-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	28.19	12.31
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	36.23	16.29
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	46.57	20.65
		For Work In Restricted Working Space, Add	*12.40*	
40 05 23 23-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	64.97	28.29
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 23-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	76.37	33.27
		For Work In Restricted Working Space, Add	*19.95*	
40 05 23 23-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	94.41	40.24
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	160.13	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	206.66	82.22
		For Work In Restricted Working Space, Add	*49.34*	
40 05 23 23-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	269.10	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*

40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	13.59	3.22
		For Work In Restricted Working Space, Add	*1.93*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	16.15	3.92
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	21.56	4.64
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	26.28	5.78
		For Work In Restricted Working Space, Add	*3.46*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	29.22	6.50
		For Work In Restricted Working Space, Add	*3.90*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	36.12	8.07
		For Work In Restricted Working Space, Add	*4.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	43.31	9.22
		For Work In Restricted Working Space, Add	*5.51*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	51.25	10.35
		For Work In Restricted Working Space, Add	*6.21*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	64.58	12.28
		For Work In Restricted Working Space, Add	*7.35*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	94.74	16.15
		For Work In Restricted Working Space, Add	*9.65*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	159.39	29.69
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	204.85	32.64
		For Work In Restricted Working Space, Add	*20.98*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	245.87	36.29
		For Work In Restricted Working Space, Add	*23.32*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	303.41	40.80
		For Work In Restricted Working Space, Add	*26.23*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	333.66	46.63
		For Work In Restricted Working Space, Add	*29.98*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	373.31	54.40
		For Work In Restricted Working Space, Add	*34.97*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	520.79	65.27
		For Work In Restricted Working Space, Add	*41.97*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	680.02	81.60
		For Work In Restricted Working Space, Add	*52.46*	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	84.40	36.65
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	89.41	38.89
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	98.51	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	107.49	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	118.72	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	132.64	57.24
		For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	172.11	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	201.86	85.85
		For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	246.47	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	333.83	128.36
		For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	588.73	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	857.34	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,293.78	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,527.31	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,787.63	598.36
		For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,256.86	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,148.01	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,516.52	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	85.28	36.65
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	90.29	38.89
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	99.57	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	108.90	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	118.90	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	132.64	57.24
		For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	171.23	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	200.27	85.85
		For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	243.48	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	318.16	128.36
		For Work In Restricted Working Space, Add	*85.58*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	558.52	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	803.55	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,208.62	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,422.78	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,658.63	598.36
		For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,087.45	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,919.41	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,192.24	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*

40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	113.17	46.57
		For Work In Restricted Working Space, Add	*31.05*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	136.72	57.16
		For Work In Restricted Working Space, Add	*38.11*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	152.42	64.24
		For Work In Restricted Working Space, Add	*42.82*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	173.53	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	184.40	78.62
		For Work In Restricted Working Space, Add	*52.42*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	200.95	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	257.64	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	305.17	128.77
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	349.67	144.53
		For Work In Restricted Working Space, Add	*96.35*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	504.07	192.69
		For Work In Restricted Working Space, Add	*128.46*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	844.99	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	1,293.78	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	1,658.20	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	2,034.50	675.41
		For Work In Restricted Working Space, Add	*450.27*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	2,466.39	823.93
		For Work In Restricted Working Space, Add	*549.28*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	3,138.62	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	4,189.71	1,380.43
		For Work In Restricted Working Space, Add	*920.29*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	6,290.59	2,098.26
		For Work In Restricted Working Space, Add	*1,398.84*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	103.71	38.90
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	123.20	47.68
		For Work In Restricted Working Space, Add	*31.79*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	150.54	53.57
		For Work In Restricted Working Space, Add	*35.72*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	157.36	61.07
		For Work In Restricted Working Space, Add	*40.71*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	165.37	65.62
		For Work In Restricted Working Space, Add	*43.75*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	211.90	71.51
		For Work In Restricted Working Space, Add	*47.68*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	249.98	85.72
		For Work In Restricted Working Space, Add	*57.15*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	308.48	107.14
		For Work In Restricted Working Space, Add	*71.42*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	401.93	122.41
		For Work In Restricted Working Space, Add	*81.61*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	759.97	187.34
		For Work In Restricted Working Space, Add	*124.89*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,233.12	249.79
		For Work In Restricted Working Space, Add	*166.53*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,767.84	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,143.37	450.15
		For Work In Restricted Working Space, Add	*300.10*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,651.74	549.09
		For Work In Restricted Working Space, Add	*366.06*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,421.07	699.42
		For Work In Restricted Working Space, Add	*466.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,840.67	920.29
		For Work In Restricted Working Space, Add	*613.53*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	7,558.24	1,397.59
		For Work In Restricted Working Space, Add	*931.73*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	84.60	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	93.08	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	103.18	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	110.03	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	120.13	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	160.10	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	181.11	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	211.72	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	272.88	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	448.29	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	568.97	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	764.39	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,078.66	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,257.52	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,551.38	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,164.89	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,135.93	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	101.15	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	105.23	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	111.50	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	125.17	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	131.04	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	172.07	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	192.90	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	220.84	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	305.79	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	518.84	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	706.59	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	891.55	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,372.01	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,593.65	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,961.61	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,822.27	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,007.16	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	46.17	18.32
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	50.61	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	55.59	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	61.18	23.29
		For Work In Restricted Working Space, Add	*15.53*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	65.78	25.72
		For Work In Restricted Working Space, Add	*17.15*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	71.16	28.61
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	92.30	36.62
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	104.72	42.93
		For Work In Restricted Working Space, Add	*28.62*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	126.15	51.38
		For Work In Restricted Working Space, Add	*34.25*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	162.39	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	284.96	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	379.52	149.88
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	560.13	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	657.05	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	760.55	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	959.76	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	1,327.33	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	1,950.09	749.37
		For Work In Restricted Working Space, Add	*499.59*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	15.35	3.22
		For Work In Restricted Working Space, Add	*1.93*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	18.64	3.92
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	22.91	4.64
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	28.63	5.71
		For Work In Restricted Working Space, Add	*3.46*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	33.03	6.43
		For Work In Restricted Working Space, Add	*3.90*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	42.40	8.22
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	52.89	9.29
		For Work In Restricted Working Space, Add	*5.51*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	51.08	10.35
		For Work In Restricted Working Space, Add	*6.21*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	85.94	12.14
		For Work In Restricted Working Space, Add	*7.35*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	134.82	16.07
		For Work In Restricted Working Space, Add	*9.65*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	239.56	29.53
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	304.56	32.64
		For Work In Restricted Working Space, Add	*20.98*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	380.78	36.14
		For Work In Restricted Working Space, Add	*23.32*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	85.11	36.65
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	90.12	38.89
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	99.04	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	107.87	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	119.07	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	133.87	57.24
		For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	176.68	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	208.55	85.85
		For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	257.73	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	405.81	128.36
		For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	686.82	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,056.36	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,551.91	449.63
		For Work In Restricted Working Space, Add	*299.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,840.45	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,189.91	598.36
		For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,815.81	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,837.91	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,500.78	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	86.34	36.65
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	91.35	38.89
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	99.92	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	108.77	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	119.95	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	134.06	57.24
		For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	176.68	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	203.62	85.85
		For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	260.37	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	345.79	128.36
		For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	623.90	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	899.17	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,320.02	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,501.34	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,786.16	598.36
		For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,252.53	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,077.85	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,461.25	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	113.87	46.57
		For Work In Restricted Working Space, Add	*31.05*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	137.42	57.16
		For Work In Restricted Working Space, Add	*38.11*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	153.12	64.24
		For Work In Restricted Working Space, Add	*42.82*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	175.32	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	185.10	78.62
		For Work In Restricted Working Space, Add	*52.42*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	201.83	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	260.02	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	308.86	128.77
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	353.72	144.53
		For Work In Restricted Working Space, Add	*96.35*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	532.05	192.69
		For Work In Restricted Working Space, Add	*128.46*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	928.05	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	1,548.69	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	1,926.98	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	2,576.09	675.41
		For Work In Restricted Working Space, Add	*450.27*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	3,257.08	823.93
		For Work In Restricted Working Space, Add	*549.28*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	4,212.17	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	5,448.97	1,380.43
		For Work In Restricted Working Space, Add	*920.29*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	8,335.78	2,098.26
		For Work In Restricted Working Space, Add	*1,398.84*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613		Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0541)*		
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	106.00	38.90
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	125.49	47.68
		For Work In Restricted Working Space, Add	*31.79*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	161.55	53.57
		For Work In Restricted Working Space, Add	*35.72*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	160.70	61.07
		For Work In Restricted Working Space, Add	*40.71*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	165.37	65.62
		For Work In Restricted Working Space, Add	*43.75*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	200.65	71.51
		For Work In Restricted Working Space, Add	*47.68*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	225.16	85.72
		For Work In Restricted Working Space, Add	*57.15*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	295.46	107.14
		For Work In Restricted Working Space, Add	*71.42*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	404.04	122.41
		For Work In Restricted Working Space, Add	*81.61*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	685.27	187.34
		For Work In Restricted Working Space, Add	*124.89*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,256.49	249.79
		For Work In Restricted Working Space, Add	*166.53*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,814.60	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,077.76	450.15
		For Work In Restricted Working Space, Add	*300.10*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,569.57	549.09
		For Work In Restricted Working Space, Add	*366.06*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,313.92	699.42
		For Work In Restricted Working Space, Add	*466.28*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,680.20	920.29
		For Work In Restricted Working Space, Add	*613.53*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,302.68	1,397.59
		For Work In Restricted Working Space, Add	*931.73*	
40 05 23 23-0631		Type 304, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0541)*		
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	86.36	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	94.84	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	103.31	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	111.79	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	121.18	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	160.10	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	174.77	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	202.71	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	274.29	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	478.18	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	620.29	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	810.20	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,181.46	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,386.75	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,813.07	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,473.57	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,455.60	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	101.86	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	108.92	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	124.17	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	131.68	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	141.07	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	172.07	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	214.73	73.19
		For Work In Restricted Working Space, Add	*48.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	235.63	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	320.40	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	520.37	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	705.26	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	960.74	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,550.46	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,759.17	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,294.87	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,986.74	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,736.15	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	46.69	18.32
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	50.08	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	56.11	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	63.54	23.29
		For Work In Restricted Working Space, Add	*15.53*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	68.07	25.72
		For Work In Restricted Working Space, Add	*17.15*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	70.98	28.61
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	91.12	36.62
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	105.42	42.93
		For Work In Restricted Working Space, Add	*28.62*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	128.26	51.38
		For Work In Restricted Working Space, Add	*34.25*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	175.41	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	305.87	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	409.09	149.88
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	616.49	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	708.67	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	831.56	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,043.92	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	1,439.56	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	2,137.74	749.37
		For Work In Restricted Working Space, Add	*499.59*	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*

40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	15.83	3.22
		For Work In Restricted Working Space, Add	*1.93*	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	18.73	3.92
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	25.42	4.64
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	30.89	5.78
		For Work In Restricted Working Space, Add	*3.46*	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	34.29	6.50
		For Work In Restricted Working Space, Add	*3.90*	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	42.38	8.07
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	51.09	9.22
		For Work In Restricted Working Space, Add	*5.51*	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	60.79	10.35
		For Work In Restricted Working Space, Add	*6.21*	
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	77.10	12.28
		For Work In Restricted Working Space, Add	*7.35*	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	114.28	16.15
		For Work In Restricted Working Space, Add	*9.65*	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	189.31	29.69
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	246.98	32.64
		For Work In Restricted Working Space, Add	*20.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0699		LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	298.38	36.29
			For Work In Restricted Working Space, Add	*23.32*	
40 05 23 23-0700		LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	370.85	40.80
			For Work In Restricted Working Space, Add	*26.23*	
40 05 23 23-0701		LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	406.66	46.63
			For Work In Restricted Working Space, Add	*29.98*	
40 05 23 23-0702		LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	453.49	54.40
			For Work In Restricted Working Space, Add	*34.97*	
40 05 23 23-0703		LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	639.74	65.27
			For Work In Restricted Working Space, Add	*41.97*	
40 05 23 23-0704		LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	837.79	81.60
			For Work In Restricted Working Space, Add	*52.46*	

40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0685)*

40 05 23 23-0706		EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	85.28	36.65
			For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0707		EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	90.29	38.89
			For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0708		EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	99.57	42.75
			For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0709		EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	109.02	46.59
			For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0710		EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	119.78	51.44
			For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0711		EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	133.87	57.24
			For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0712		EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	174.40	73.25
			For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0713		EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	205.20	85.85
			For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0714		EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	251.57	102.75
			For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0715		EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	347.20	128.36
			For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0716		EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	613.64	224.82
			For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0717		EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	914.93	299.74
			For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0718		EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,372.29	449.63
			For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0719		EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,601.19	524.56
			For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0720		EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,904.48	598.36
			For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0721		EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,396.98	749.38
			For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0722		EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,348.17	1,049.13
			For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0723		EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	4,813.94	1,498.76
			For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0685)*

40 05 23 23-0725		EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	86.34	36.65
			For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0726		EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	91.35	38.89
			For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0727		EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	100.62	42.75
			For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0728		EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	110.43	46.59
			For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0729		EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	119.78	51.44
			For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0730		EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	133.87	57.24
			For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0731		EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	173.34	73.25
			For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0732		EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	203.62	85.85
			For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0733		EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	247.88	102.75
			For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0734		EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	325.38	128.36
			For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0735		EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	574.48	224.82
			For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0736		EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	899.17	299.74
			For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0737		EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,320.02	449.63
			For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0738		EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,552.20	524.56
			For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0739		EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,814.68	598.36
			For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0740		EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,291.22	749.38
			For Work In Restricted Working Space, Add	*499.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,253.15	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	4,687.38	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	115.46	46.57
		For Work In Restricted Working Space, Add	*31.05*	
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	139.01	57.16
		For Work In Restricted Working Space, Add	*38.11*	
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	154.71	64.24
		For Work In Restricted Working Space, Add	*42.82*	
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	177.76	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	187.74	78.62
		For Work In Restricted Working Space, Add	*52.42*	
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	203.95	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	248.05	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	310.98	128.77
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	357.59	144.53
		For Work In Restricted Working Space, Add	*96.35*	
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	526.77	192.69
		For Work In Restricted Working Space, Add	*128.46*	
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	904.67	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	1,408.40	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	1,810.07	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	2,316.10	675.41
		For Work In Restricted Working Space, Add	*450.27*	
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	2,739.10	823.93
		For Work In Restricted Working Space, Add	*549.28*	
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	3,481.74	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	4,690.08	1,380.43
		For Work In Restricted Working Space, Add	*920.29*	
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	6,729.44	2,098.26
		For Work In Restricted Working Space, Add	*1,398.84*	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0685)*

40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	109.16	38.90
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	129.71	47.68
		For Work In Restricted Working Space, Add	*31.79*	
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	158.47	53.57
		For Work In Restricted Working Space, Add	*35.72*	
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	162.81	61.07
		For Work In Restricted Working Space, Add	*40.71*	
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	172.93	65.62
		For Work In Restricted Working Space, Add	*43.75*	
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	234.78	71.51
		For Work In Restricted Working Space, Add	*47.68*	
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	229.39	85.72
		For Work In Restricted Working Space, Add	*57.15*	
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	308.48	107.14
		For Work In Restricted Working Space, Add	*71.42*	
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	434.49	122.41
		For Work In Restricted Working Space, Add	*81.61*	
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	854.64	187.34
		For Work In Restricted Working Space, Add	*124.89*	
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,548.84	249.79
		For Work In Restricted Working Space, Add	*166.53*	
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,036.80	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,321.57	450.15
		For Work In Restricted Working Space, Add	*300.10*	
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,874.91	549.09
		For Work In Restricted Working Space, Add	*366.06*	
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,712.10	699.42
		For Work In Restricted Working Space, Add	*466.28*	
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	5,276.48	920.29
		For Work In Restricted Working Space, Add	*613.53*	
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,252.36	1,397.59
		For Work In Restricted Working Space, Add	*931.73*	

40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0685)*

40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	86.19	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	95.02	38.56
		For Work In Restricted Working Space, Add	*25.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	106.00	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	111.26	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	121.18	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	159.36	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	185.33	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	203.97	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	281.51	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	457.31	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	590.08	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	789.30	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,112.96	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,290.00	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,599.12	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,238.66	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,266.72	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	99.87	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	111.27	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	125.26	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	133.79	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	135.09	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	178.58	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	205.05	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	230.70	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	327.44	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	556.86	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	761.52	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	967.20	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,450.33	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,697.76	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,105.74	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,048.90	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,228.94	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	

40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0685)*

40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	48.45	18.32
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	53.60	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	58.75	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	64.24	23.29
		For Work In Restricted Working Space, Add	*15.53*	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	69.48	25.72
		For Work In Restricted Working Space, Add	*17.15*	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	73.27	28.61
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	91.63	36.62
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	108.41	42.93
		For Work In Restricted Working Space, Add	*28.62*	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	129.84	51.38
		For Work In Restricted Working Space, Add	*34.25*	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	168.90	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	296.55	112.40
		For Work In Restricted Working Space, Add	*74.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	393.60	149.88
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	580.73	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	675.62	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	776.24	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	977.74	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	1,356.01	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	2,038.39	749.37
		For Work In Restricted Working Space, Add	*499.59*	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	18.33	3.22
		For Work In Restricted Working Space, Add	*1.93*	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	22.24	3.92
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	27.48	4.64
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	34.35	5.71
		For Work In Restricted Working Space, Add	*3.46*	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	39.73	6.43
		For Work In Restricted Working Space, Add	*3.90*	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	51.21	8.22
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	64.43	9.29
		For Work In Restricted Working Space, Add	*5.51*	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	61.24	10.35
		For Work In Restricted Working Space, Add	*6.21*	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	106.50	12.14
		For Work In Restricted Working Space, Add	*7.35*	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	169.16	16.07
		For Work In Restricted Working Space, Add	*9.65*	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	298.42	29.53
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	383.05	32.64
		For Work In Restricted Working Space, Add	*20.98*	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	482.15	36.14
		For Work In Restricted Working Space, Add	*23.32*	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	86.16	36.65
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	91.17	38.89
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	100.45	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	109.41	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	120.66	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	135.98	57.24
		For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	180.91	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	214.35	85.85
		For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	271.64	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	417.60	128.36
		For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	748.40	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,209.55	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,728.69	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,937.58	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,343.66	598.36
		For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,989.28	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,044.82	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	5,865.50	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	87.92	36.65
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	92.93	38.89
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	101.50	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	109.92	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	121.71	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	135.98	57.24
		For Work In Restricted Working Space, Add	*38.15*	
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	180.91	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	207.49	85.85
		For Work In Restricted Working Space, Add	*57.23*	
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	258.61	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	364.10	128.36
		For Work In Restricted Working Space, Add	*85.58*	
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	654.13	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	992.30	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,437.86	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,636.58	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,849.83	598.36
		For Work In Restricted Working Space, Add	*398.91*	
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,374.50	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,233.86	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	4,782.50	1,498.76
		For Work In Restricted Working Space, Add	*999.17*	

40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	116.51	46.57
		For Work In Restricted Working Space, Add	*31.05*	
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	140.06	57.16
		For Work In Restricted Working Space, Add	*38.11*	
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	155.76	64.24
		For Work In Restricted Working Space, Add	*42.82*	
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	179.29	73.25
		For Work In Restricted Working Space, Add	*48.83*	
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	187.74	78.62
		For Work In Restricted Working Space, Add	*52.42*	
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	204.65	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	254.32	102.75
		For Work In Restricted Working Space, Add	*68.50*	
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	314.32	128.77
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	363.40	144.53
		For Work In Restricted Working Space, Add	*96.35*	
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	568.13	192.69
		For Work In Restricted Working Space, Add	*128.46*	
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,010.93	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	1,688.96	449.63
		For Work In Restricted Working Space, Add	*299.75*	
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	2,079.04	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	2,948.82	675.41
		For Work In Restricted Working Space, Add	*450.27*	
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	3,650.87	823.93
		For Work In Restricted Working Space, Add	*549.28*	
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	4,724.64	1,049.13
		For Work In Restricted Working Space, Add	*699.42*	
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	6,142.18	1,380.43
		For Work In Restricted Working Space, Add	*920.29*	
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	8,826.69	2,098.26
		For Work In Restricted Working Space, Add	*1,398.84*	

40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

40 05 23 23-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	112.51	38.90
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 23-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	132.00	47.68
		For Work In Restricted Working Space, Add	*31.79*	
40 05 23 23-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	172.55	53.57
		For Work In Restricted Working Space, Add	*35.72*	
40 05 23 23-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	168.27	61.07
		For Work In Restricted Working Space, Add	*40.71*	
40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	172.93	65.62
		For Work In Restricted Working Space, Add	*43.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	235.83	71.51
		For Work In Restricted Working Space, Add	*47.68*	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	236.95	85.72
		For Work In Restricted Working Space, Add	*57.15*	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	316.05	107.14
		For Work In Restricted Working Space, Add	*71.42*	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	439.24	122.41
		For Work In Restricted Working Space, Add	*81.61*	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	761.12	187.34
		For Work In Restricted Working Space, Add	*124.89*	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,572.23	249.79
		For Work In Restricted Working Space, Add	*166.53*	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,083.56	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,372.87	450.15
		For Work In Restricted Working Space, Add	*300.10*	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,939.17	549.09
		For Work In Restricted Working Space, Add	*366.06*	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,795.89	699.42
		For Work In Restricted Working Space, Add	*466.28*	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,401.97	920.29
		For Work In Restricted Working Space, Add	*613.53*	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	8,452.22	1,397.59
		For Work In Restricted Working Space, Add	*931.73*	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*

40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	89.00	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	97.83	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	107.28	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	114.43	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	123.12	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	165.55	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	178.47	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	206.41	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	282.74	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	494.14	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	659.45	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	839.10	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,207.82	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,390.95	448.34
		For Work In Restricted Working Space, Add	*298.90*	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,851.29	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,508.39	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,607.32	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	108.89	35.39
		For Work In Restricted Working Space, Add	*23.59*	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	115.96	38.56
		For Work In Restricted Working Space, Add	*25.71*	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	134.41	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	139.25	46.59
		For Work In Restricted Working Space, Add	*31.06*	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	149.52	51.44
		For Work In Restricted Working Space, Add	*34.30*	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	178.58	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	229.33	73.19
		For Work In Restricted Working Space, Add	*48.79*	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	250.06	85.76
		For Work In Restricted Working Space, Add	*57.17*	
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	354.37	109.18
		For Work In Restricted Working Space, Add	*72.78*	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	547.74	179.85
		For Work In Restricted Working Space, Add	*119.90*	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	777.30	224.82
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,074.79	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,603.81	393.42
		For Work In Restricted Working Space, Add	*262.28*	
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,846.83	448.34
		For Work In Restricted Working Space, Add	*298.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,474.47	562.03
		For Work In Restricted Working Space, Add	*374.69*	
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,186.41	749.38
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,777.08	1,124.06
		For Work In Restricted Working Space, Add	*749.38*	
40 05 23 23-0959		Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*		
40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	48.81	18.32
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	53.43	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	59.11	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	67.50	23.29
		For Work In Restricted Working Space, Add	*15.53*	
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	66.84	25.72
		For Work In Restricted Working Space, Add	*17.15*	
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	75.73	28.61
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	94.83	36.62
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	108.94	42.93
		For Work In Restricted Working Space, Add	*28.62*	
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	133.72	51.38
		For Work In Restricted Working Space, Add	*34.25*	
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	185.09	64.29
		For Work In Restricted Working Space, Add	*42.86*	
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	326.97	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	438.36	149.88
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	653.93	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	746.56	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	839.79	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,070.79	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	1,473.15	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	2,266.50	749.37
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-0978		Valves *(40 05 23 23-0231)*		
40 05 23 23-0979		Gate Valves, Class 150 *(40 05 23 23-0978)*		
40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	477.55	36.71
		For Work In Restricted Working Space, Add	*13.77*	
		For Class 200, Deduct	*-115.47*	
		For Class 300, Add	*405.76*	
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	518.18	38.24
		For Work In Restricted Working Space, Add	*16.06*	
		For Class 200, Deduct	*-124.29*	
		For Class 300, Add	*436.76*	
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged	637.50	57.37
		For Work In Restricted Working Space, Add	*21.65*	
		For Class 200, Deduct	*-151.23*	
		For Class 300, Add	*531.42*	
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	805.22	66.93
		For Work In Restricted Working Space, Add	*24.94*	
		For Class 200, Deduct	*-193.16*	
		For Class 300, Add	*678.76*	
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	905.76	84.24
		For Work In Restricted Working Space, Add	*31.59*	
		For Class 200, Deduct	*-214.12*	
		For Class 300, Add	*752.42*	
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,074.75	101.95
		For Work In Restricted Working Space, Add	*38.24*	
		For Class 200, Deduct	*-253.39*	
		For Class 300, Add	*890.43*	
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	1,552.32	110.90
		For Work In Restricted Working Space, Add	*41.72*	
		For Class 300, Add	*1,328.46*	
40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	1,747.24	130.03
		For Work In Restricted Working Space, Add	*48.82*	
		For Class 300, Add	*1,489.43*	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	2,300.11	217.98
		For Work In Restricted Working Space, Add	*81.95*	
		For Class 300, Add	*1,905.33*	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	3,868.74	275.34
		For Work In Restricted Working Space, Add	*103.62*	
		For Class 300, Add	*3,311.93*	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	8,499.83	351.83
		For Work In Restricted Working Space, Add	*131.12*	
		For Class 300, Add	*7,579.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	11,994.21	428.31
		For Work In Restricted Working Space, Add	*160.62*	
		For Class 300, Add	*10,771.29*	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	18,087.89	520.10
		For Work In Restricted Working Space, Add	*194.69*	
		For Class 300, Add	*16,392.59*	

40 05 23 23-0993 Globe Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	655.67	36.71
		For Work In Restricted Working Space, Add	*13.77*	
		For Class 200, Deduct	*-163.12*	
		For Class 300, Add	*573.19*	
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	725.17	38.24
		For Work In Restricted Working Space, Add	*16.06*	
		For Class 200, Deduct	*-179.66*	
		For Class 300, Add	*631.33*	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	902.86	57.37
		For Work In Restricted Working Space, Add	*21.65*	
		For Class 200, Deduct	*-222.21*	
		For Class 300, Add	*780.86*	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,342.53	84.24
		For Work In Restricted Working Space, Add	*31.59*	
		For Class 200, Deduct	*-330.96*	
		For Class 300, Add	*1,162.99*	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	1,638.67	101.95
		For Work In Restricted Working Space, Add	*38.24*	
		For Class 200, Deduct	*-404.24*	
		For Class 300, Add	*1,420.52*	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	3,320.52	110.90
		For Work In Restricted Working Space, Add	*41.72*	
		For Class 300, Add	*2,990.56*	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	3,432.56	130.03
		For Work In Restricted Working Space, Add	*48.82*	
		For Class 300, Add	*3,073.63*	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	4,073.21	217.98
		For Work In Restricted Working Space, Add	*81.95*	
		For Class 300, Add	*3,572.05*	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	7,547.84	275.34
		For Work In Restricted Working Space, Add	*103.62*	
		For Class 300, Add	*6,770.28*	

40 05 23 23-1003 Check Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	1,484.50	110.90
		For Work In Restricted Working Space, Add	*41.72*	
		For Class 300, Add	*1,264.70*	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	1,550.12	130.03
		For Work In Restricted Working Space, Add	*48.82*	
		For Class 300, Add	*1,304.14*	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	2,432.34	217.98
		For Work In Restricted Working Space, Add	*81.95*	
		For Class 300, Add	*2,029.63*	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	4,204.37	275.34
		For Work In Restricted Working Space, Add	*103.62*	
		For Class 300, Add	*3,627.42*	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	7,419.93	351.83
		For Work In Restricted Working Space, Add	*131.12*	
		For Class 300, Add	*6,563.90*	

40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	60.17	22.20
		For Work In Restricted Working Space, Add	*14.80*	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	79.33	29.60
		For Work In Restricted Working Space, Add	*19.74*	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	97.70	36.71
		For Work In Restricted Working Space, Add	*24.48*	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	140.46	51.94
		For Work In Restricted Working Space, Add	*34.64*	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	155.20	58.58
		For Work In Restricted Working Space, Add	*39.06*	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	193.86	74.41
		For Work In Restricted Working Space, Add	*49.61*	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	350.46	114.73
		For Work In Restricted Working Space, Add	*76.49*	
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting	471.08	146.46
		For Work In Restricted Working Space, Add	*97.64*	
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting	623.30	183.56
		For Work In Restricted Working Space, Add	*122.38*	

40 05 23 23-1019 Stainless Steel Flanges *(40 05 23 23-0231)*

40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	40.59	12.33
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	50.58	16.45
		For Work In Restricted Working Space, Add	*9.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	60.60	20.39
		For Work In Restricted Working Space, Add	*12.24*	
40 05 23 23-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	82.83	28.87
		For Work In Restricted Working Space, Add	*17.32*	
40 05 23 23-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	90.20	32.55
		For Work In Restricted Working Space, Add	*19.53*	
40 05 23 23-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	115.59	41.34
		For Work In Restricted Working Space, Add	*24.81*	
40 05 23 23-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	173.45	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	210.83	130.03
		For Work In Restricted Working Space, Add	*48.82*	
40 05 23 23-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	269.73	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	49.79	12.33
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	58.01	16.45
		For Work In Restricted Working Space, Add	*9.87*	
40 05 23 23-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	65.90	20.39
		For Work In Restricted Working Space, Add	*12.24*	
40 05 23 23-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	96.28	28.87
		For Work In Restricted Working Space, Add	*17.32*	
40 05 23 23-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	103.65	32.55
		For Work In Restricted Working Space, Add	*19.53*	
40 05 23 23-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	129.37	41.34
		For Work In Restricted Working Space, Add	*24.81*	
40 05 23 23-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	204.22	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	242.30	130.03
		For Work In Restricted Working Space, Add	*48.82*	
40 05 23 23-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	318.18	101.95
		For Work In Restricted Working Space, Add	*61.19*	

40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	56.62	18.31
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	60.90	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	68.00	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	81.17	23.31
		For Work In Restricted Working Space, Add	*15.54*	
40 05 23 23-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	86.45	25.69
		For Work In Restricted Working Space, Add	*17.13*	
40 05 23 23-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	96.14	28.62
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	130.49	36.59
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 23-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	148.97	42.85
		For Work In Restricted Working Space, Add	*28.57*	
40 05 23 23-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	189.06	51.34
		For Work In Restricted Working Space, Add	*34.23*	
40 05 23 23-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	271.97	64.14
		For Work In Restricted Working Space, Add	*42.77*	
40 05 23 23-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	469.02	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	656.60	149.87
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	1,004.52	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	1,239.01	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	1,521.09	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	1,872.80	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	2,461.58	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange	3,501.67	749.37
		For Work In Restricted Working Space, Add	*499.59*	

40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	67.59	18.31
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	70.10	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	74.38	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	93.53	23.31
		For Work In Restricted Working Space, Add	*15.54*	
40 05 23 23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	98.81	25.69
		For Work In Restricted Working Space, Add	*17.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	106.75	28.62
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	148.87	36.59
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	169.48	42.85
		For Work In Restricted Working Space, Add	*28.57*	
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	237.14	51.34
		For Work In Restricted Working Space, Add	*34.23*	
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	326.42	64.14
		For Work In Restricted Working Space, Add	*42.77*	
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	604.80	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	835.88	149.87
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,232.25	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,599.01	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,951.61	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,485.83	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,245.93	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,713.06	749.37
		For Work In Restricted Working Space, Add	*499.59*	

40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	95.55	36.63
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	100.92	38.88
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	110.90	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	125.17	46.62
		For Work In Restricted Working Space, Add	*31.08*	
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	135.77	51.38
		For Work In Restricted Working Space, Add	*34.26*	
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	155.16	57.24
		For Work In Restricted Working Space, Add	*38.16*	
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	201.93	73.20
		For Work In Restricted Working Space, Add	*48.80*	
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	232.54	85.70
		For Work In Restricted Working Space, Add	*57.14*	
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	285.49	102.69
		For Work In Restricted Working Space, Add	*68.46*	
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	372.46	128.30
		For Work In Restricted Working Space, Add	*85.53*	
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	664.73	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	922.48	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,377.87	449.62
		For Work In Restricted Working Space, Add	*299.75*	

40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	102.63	36.63
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	107.64	38.88
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	116.21	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	136.14	46.62
		For Work In Restricted Working Space, Add	*31.08*	
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	146.74	51.38
		For Work In Restricted Working Space, Add	*34.26*	
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	162.57	57.24
		For Work In Restricted Working Space, Add	*38.16*	
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	229.52	73.20
		For Work In Restricted Working Space, Add	*48.80*	
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	260.12	85.70
		For Work In Restricted Working Space, Add	*57.14*	
40 05 23 23-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	323.67	102.69
		For Work In Restricted Working Space, Add	*68.46*	
40 05 23 23-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	480.30	128.30
		For Work In Restricted Working Space, Add	*85.53*	
40 05 23 23-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	773.63	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,097.87	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,603.47	449.62
		For Work In Restricted Working Space, Add	*299.75*	

40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	31.38	7.32
		For Work In Restricted Working Space, Add	*4.89*	
40 05 23 23-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	32.83	7.77
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	35.63	8.54
		For Work In Restricted Working Space, Add	*5.70*	
40 05 23 23-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	44.84	9.51
		For Work In Restricted Working Space, Add	*6.34*	
40 05 23 23-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	52.27	12.86
		For Work In Restricted Working Space, Add	*8.57*	
40 05 23 23-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	61.07	14.28
		For Work In Restricted Working Space, Add	*9.51*	
40 05 23 23-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	82.50	18.35
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	103.11	25.71
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	159.57	42.84
		For Work In Restricted Working Space, Add	*28.56*	
40 05 23 23-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	216.48	55.09
		For Work In Restricted Working Space, Add	*36.73*	
40 05 23 23-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	327.63	69.94
		For Work In Restricted Working Space, Add	*46.63*	
40 05 23 23-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	485.66	83.93
		For Work In Restricted Working Space, Add	*55.95*	
40 05 23 23-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	638.01	104.92
		For Work In Restricted Working Space, Add	*69.94*	
40 05 23 23-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	809.34	131.14
		For Work In Restricted Working Space, Add	*87.43*	
40 05 23 23-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,029.21	149.59
		For Work In Restricted Working Space, Add	*99.73*	
40 05 23 23-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,224.89	187.34
		For Work In Restricted Working Space, Add	*124.90*	
40 05 23 23-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,637.33	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,378.96	374.69
		For Work In Restricted Working Space, Add	*249.79*	

40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	38.58	7.32
		For Work In Restricted Working Space, Add	*4.89*	
40 05 23 23-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	39.57	7.77
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	41.29	8.54
		For Work In Restricted Working Space, Add	*5.70*	
40 05 23 23-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	51.55	9.51
		For Work In Restricted Working Space, Add	*6.34*	
40 05 23 23-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	58.98	12.86
		For Work In Restricted Working Space, Add	*8.57*	
40 05 23 23-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	64.61	14.28
		For Work In Restricted Working Space, Add	*9.51*	
40 05 23 23-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	107.25	18.35
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	126.27	25.71
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	188.56	42.84
		For Work In Restricted Working Space, Add	*28.56*	
40 05 23 23-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	335.99	55.09
		For Work In Restricted Working Space, Add	*36.73*	
40 05 23 23-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	470.48	69.94
		For Work In Restricted Working Space, Add	*46.63*	
40 05 23 23-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	659.62	83.93
		For Work In Restricted Working Space, Add	*55.95*	
40 05 23 23-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	904.98	104.92
		For Work In Restricted Working Space, Add	*69.94*	
40 05 23 23-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,254.61	131.14
		For Work In Restricted Working Space, Add	*87.43*	
40 05 23 23-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,591.38	149.59
		For Work In Restricted Working Space, Add	*99.73*	
40 05 23 23-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,070.95	187.34
		For Work In Restricted Working Space, Add	*124.90*	
40 05 23 23-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,641.13	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	4,029.97	374.69
		For Work In Restricted Working Space, Add	*249.79*	

40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	46.97	12.33
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-1146	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	58.72	16.45
		For Work In Restricted Working Space, Add	*9.87*	
40 05 23 23-1147	EA	1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	68.36	20.39
		For Work In Restricted Working Space, Add	*12.24*	
40 05 23 23-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	94.49	28.87
		For Work In Restricted Working Space, Add	*17.32*	
40 05 23 23-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	101.86	32.55
		For Work In Restricted Working Space, Add	*19.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	128.32	41.34
		For Work In Restricted Working Space, Add	*24.81*	
40 05 23 23-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	191.84	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	234.53	130.03
		For Work In Restricted Working Space, Add	*48.82*	
40 05 23 23-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	302.97	101.95
		For Work In Restricted Working Space, Add	*61.19*	
40 05 23 23-1154		**300#, Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	58.99	12.33
		For Work In Restricted Working Space, Add	*7.40*	
40 05 23 23-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	67.21	16.45
		For Work In Restricted Working Space, Add	*9.87*	
40 05 23 23-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	75.10	20.39
		For Work In Restricted Working Space, Add	*12.24*	
40 05 23 23-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	113.96	28.87
		For Work In Restricted Working Space, Add	*17.32*	
40 05 23 23-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	121.33	32.55
		For Work In Restricted Working Space, Add	*19.53*	
40 05 23 23-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	144.93	41.34
		For Work In Restricted Working Space, Add	*24.81*	
40 05 23 23-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	239.22	63.71
		For Work In Restricted Working Space, Add	*38.24*	
40 05 23 23-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	278.02	130.03
		For Work In Restricted Working Space, Add	*48.82*	
40 05 23 23-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	375.10	101.95
		For Work In Restricted Working Space, Add	*61.19*	
40 05 23 23-1164		**150#, Type 316 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1019)*		
40 05 23 23-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	64.75	18.31
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	69.04	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange	77.20	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	93.19	23.31
		For Work In Restricted Working Space, Add	*15.54*	
40 05 23 23-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	98.47	25.69
		For Work In Restricted Working Space, Add	*17.13*	
40 05 23 23-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange	108.51	28.62
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	151.34	36.59
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 23-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange	167.71	42.85
		For Work In Restricted Working Space, Add	*28.57*	
40 05 23 23-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange	220.88	51.34
		For Work In Restricted Working Space, Add	*34.23*	
40 05 23 23-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange	327.14	64.14
		For Work In Restricted Working Space, Add	*42.77*	
40 05 23 23-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange	554.24	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange	798.76	149.87
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange	1,192.30	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange	1,394.53	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange	1,724.04	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange	2,119.33	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange	2,768.72	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange	3,936.92	749.37
		For Work In Restricted Working Space, Add	*499.59*	
40 05 23 23-1183		**300#, Type 316 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1019)*		
40 05 23 23-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	78.19	18.31
		For Work In Restricted Working Space, Add	*12.21*	
40 05 23 23-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	80.70	19.45
		For Work In Restricted Working Space, Add	*12.97*	
40 05 23 23-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	84.98	21.37
		For Work In Restricted Working Space, Add	*14.25*	
40 05 23 23-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	108.05	23.31
		For Work In Restricted Working Space, Add	*15.54*	
40 05 23 23-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	113.33	25.69
		For Work In Restricted Working Space, Add	*17.13*	
40 05 23 23-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	124.43	28.62
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	179.28	36.59
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 23-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	198.12	42.85
		For Work In Restricted Working Space, Add	*28.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	290.17	51.34
		For Work In Restricted Working Space, Add	*34.23*	
40 05 23 23-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	457.61	64.14
		For Work In Restricted Working Space, Add	*42.77*	
40 05 23 23-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	738.83	112.40
		For Work In Restricted Working Space, Add	*74.94*	
40 05 23 23-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,052.99	149.87
		For Work In Restricted Working Space, Add	*99.92*	
40 05 23 23-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,551.19	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,062.89	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,539.02	299.18
		For Work In Restricted Working Space, Add	*199.46*	
40 05 23 23-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,240.52	374.69
		For Work In Restricted Working Space, Add	*249.79*	
40 05 23 23-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,195.57	524.56
		For Work In Restricted Working Space, Add	*349.71*	
40 05 23 23-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	6,104.38	749.37
		For Work In Restricted Working Space, Add	*499.59*	

40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	99.80	36.63
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	107.30	38.88
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	118.21	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	151.82	46.62
		For Work In Restricted Working Space, Add	*31.08*	
40 05 23 23-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	144.26	51.38
		For Work In Restricted Working Space, Add	*34.26*	
40 05 23 23-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	157.27	57.24
		For Work In Restricted Working Space, Add	*38.16*	
40 05 23 23-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	200.52	73.20
		For Work In Restricted Working Space, Add	*48.80*	
40 05 23 23-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	244.56	85.70
		For Work In Restricted Working Space, Add	*57.14*	
40 05 23 23-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	310.94	102.69
		For Work In Restricted Working Space, Add	*68.46*	
40 05 23 23-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	410.28	128.30
		For Work In Restricted Working Space, Add	*85.53*	
40 05 23 23-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	742.86	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,029.27	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,520.72	449.62
		For Work In Restricted Working Space, Add	*299.75*	

40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	109.70	36.63
		For Work In Restricted Working Space, Add	*24.42*	
40 05 23 23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	114.71	38.88
		For Work In Restricted Working Space, Add	*25.93*	
40 05 23 23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	123.28	42.75
		For Work In Restricted Working Space, Add	*28.50*	
40 05 23 23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	149.92	46.62
		For Work In Restricted Working Space, Add	*31.08*	
40 05 23 23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	160.52	51.38
		For Work In Restricted Working Space, Add	*34.26*	
40 05 23 23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	175.61	57.24
		For Work In Restricted Working Space, Add	*38.16*	
40 05 23 23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	260.28	73.20
		For Work In Restricted Working Space, Add	*48.80*	
40 05 23 23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	291.58	85.70
		For Work In Restricted Working Space, Add	*57.14*	
40 05 23 23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	372.46	102.69
		For Work In Restricted Working Space, Add	*68.46*	
40 05 23 23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	551.38	128.30
		For Work In Restricted Working Space, Add	*85.53*	
40 05 23 23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	846.83	224.81
		For Work In Restricted Working Space, Add	*149.88*	
40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,336.19	299.74
		For Work In Restricted Working Space, Add	*199.84*	
40 05 23 23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,813.51	449.62
		For Work In Restricted Working Space, Add	*299.75*	

40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	34.68	7.32
		For Work In Restricted Working Space, Add	*4.89*	
40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	38.85	7.77
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	43.75	8.54
		For Work In Restricted Working Space, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	51.20	9.51
		For Work In Restricted Working Space, Add	*6.34*	
40 05 23 23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	58.63	12.86
		For Work In Restricted Working Space, Add	*8.57*	
40 05 23 23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	71.68	14.28
		For Work In Restricted Working Space, Add	*9.51*	
40 05 23 23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	99.12	18.35
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	121.50	25.71
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	190.68	42.84
		For Work In Restricted Working Space, Add	*28.56*	
40 05 23 23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	266.34	55.09
		For Work In Restricted Working Space, Add	*36.73*	
40 05 23 23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	446.78	69.94
		For Work In Restricted Working Space, Add	*46.63*	
40 05 23 23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	579.72	83.93
		For Work In Restricted Working Space, Add	*55.95*	
40 05 23 23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	909.23	104.92
		For Work In Restricted Working Space, Add	*69.94*	
40 05 23 23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,087.02	131.14
		For Work In Restricted Working Space, Add	*87.43*	
40 05 23 23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,402.77	149.59
		For Work In Restricted Working Space, Add	*99.73*	
40 05 23 23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,658.39	187.34
		For Work In Restricted Working Space, Add	*124.90*	
40 05 23 23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,202.67	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,208.00	374.69
		For Work In Restricted Working Space, Add	*249.79*	

40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	50.60	7.32
		For Work In Restricted Working Space, Add	*4.89*	
40 05 23 23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	51.59	7.77
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	53.31	8.54
		For Work In Restricted Working Space, Add	*5.70*	
40 05 23 23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	77.38	9.51
		For Work In Restricted Working Space, Add	*6.34*	
40 05 23 23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	84.81	12.86
		For Work In Restricted Working Space, Add	*8.57*	
40 05 23 23-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	93.95	14.28
		For Work In Restricted Working Space, Add	*9.51*	
40 05 23 23-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	152.52	18.35
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	172.42	25.71
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	266.35	42.84
		For Work In Restricted Working Space, Add	*28.56*	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	468.61	55.09
		For Work In Restricted Working Space, Add	*36.73*	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	607.69	69.94
		For Work In Restricted Working Space, Add	*46.63*	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,058.49	83.93
		For Work In Restricted Working Space, Add	*55.95*	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,292.88	104.92
		For Work In Restricted Working Space, Add	*69.94*	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,850.41	131.14
		For Work In Restricted Working Space, Add	*87.43*	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,370.12	149.59
		For Work In Restricted Working Space, Add	*99.73*	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,094.43	187.34
		For Work In Restricted Working Space, Add	*124.90*	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,914.31	262.29
		For Work In Restricted Working Space, Add	*174.86*	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	6,007.72	374.69
		For Work In Restricted Working Space, Add	*249.79*	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high pressure air (8000 PSIG working pressure).

40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	15.30
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	19.19
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	23.24

40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	49.32
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	56.34
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	86.69
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	44.56
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	73.52
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	54.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	69.31	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	106.86	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	68.29	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	104.82	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	65.73	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	85.72	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	142.86	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	118.53	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	145.45	
40 05 23 23-1289		Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*		
40 05 23 23-1290		Needle Valves *(40 05 23 23-1289)*		
40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	281.87	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	450.70	
40 05 23 23-1293		Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)*		
40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	270.80	
40 05 23 23-1295		Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)*		
40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,141.99	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	281.92	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	51.83	
40 05 71		**Solids Handling Valves** *(40 05)*		
40 05 71 16		**Flap Gates** *(40 05 71)*		
40 05 71 16-0001		Cast Iron, Flap Valves *(40 05 71 16)*		
40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03)	384.52	67.44
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)	486.29	113.21
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)	568.67	142.29
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)	828.77	180.05
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)	1,085.07	220.55
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)	1,251.73	267.34
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)	2,371.44	355.65
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)	3,363.57	782.44
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)	3,312.14	433.90
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)	4,036.84	489.02
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)	5,204.31	600.17
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)	10,677.62	1,018.83
40 05 71 23		**Mud Valves** *(40 05 71)*		
40 05 71 23-0001		Cast Iron, Non Rising Stem, Mud Valves *(40 05 71 23)*		
40 05 71 23-0002	EA	3" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/03)	530.49	44.95
40 05 71 23-0003	EA	4" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/04)	606.54	75.47
40 05 71 23-0004	EA	6" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/06)	663.78	94.87
40 05 71 23-0005	EA	8" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/08)	861.66	120.03
40 05 71 23-0006	EA	10" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/10)	1,287.12	147.03
40 05 71 23-0007	EA	12" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/12)	1,511.61	178.22
40 05 71 23-0008	EA	14" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/14)	2,847.92	237.10
40 05 71 23-0009	EA	16" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/16)	3,811.26	521.63
40 05 71 23-0010	EA	18" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/18)	3,797.64	289.27
40 05 71 23-0011	EA	20" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/20)	4,200.24	326.02
40 05 71 23-0012	EA	24" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/24)	5,325.65	400.11
40 05 71 23-0013	EA	30" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/30)	8,334.94	679.22
40 05 71 23-0014		Cast 316 Stainless Steel, Non Rising Stem, Mud Valve *(40 05 71 23)*		
40 05 71 23-0015	EA	4" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/04CSS)	1,066.11	75.47
40 05 71 23-0016	EA	6" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/06CSS)	1,324.68	94.87
40 05 71 23-0017	EA	8" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/08CSS)	2,046.03	120.03
40 05 71 23-0018	EA	10" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/10CSS)	2,478.97	147.03
40 05 71 23-0019	EA	12" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/12CSS)	3,244.66	178.22
40 05 71 23-0020		Cast Iron, Rising Stem, Mud Valves *(40 05 71 23)*		
40 05 71 23-0021	EA	4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	762.28	75.47
40 05 71 23-0022	EA	6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	847.12	94.87
40 05 71 23-0023	EA	8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,079.07	120.03
40 05 71 23-0024	EA	10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	1,668.49	147.03
40 05 71 23-0025	EA	12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	2,172.28	178.22
40 05 71 23-0026	EA	16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	3,954.13	521.63
40 05 71 23-0027	EA	18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	4,150.89	289.27
40 05 71 23-0028		Cast 316 Stainless Steel, Rising Stem, Mud Valves *(40 05 71 23)*		
40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	1,254.17	75.47
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	1,557.99	94.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 71 23-0031	EA	8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	2,083.53	120.03
40 05 71 23-0032	EA	10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	2,925.75	147.03
40 05 71 23-0033	EA	12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	4,120.58	178.22

40 20 Liquids Process Piping *(40)*

40 23 Water and Wastewater Process Piping *(40 20)*

40 23 51 Water and Wastewater Process Valves *(40 23)*

40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,CI,T,NBR*LV)	410.65	101.91
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,CI,T,NBR*LV)	629.50	130.13
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-HD8)	1,257.99	200.74
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-CW8)	1,419.20	200.74
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-HD8)	1,791.71	252.06
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-CW8)	1,987.62	252.06
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-HD12)	2,655.88	322.08
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-CW12)	2,893.23	322.08
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-HD12)	4,027.74	392.10
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-CW12)	4,365.83	392.10
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-HD16)	6,823.34	632.27
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-CW20)	7,262.18	632.27

40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,CI,NBR,CR*LV)	408.25	101.93
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,CI,NBR,CR*LV)	626.03	130.13
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-HD8)	1,119.17	200.74
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-CW8)	1,312.85	200.74
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-HD8)	1,601.40	252.06
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-CW8)	1,797.31	252.06
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-HD12)	2,336.84	322.08
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-CW12)	2,573.05	322.08
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-HD12)	3,714.28	392.10
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-CW12)	3,950.49	392.10
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-HD16)	4,884.01	476.12
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-CW20)	5,320.62	476.12
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-HD16)	6,197.53	632.27
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20)	6,636.38	632.27
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16)	7,459.88	695.50
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20)	7,898.72	695.50
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24)	9,793.72	771.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	10,165.39	771.38
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	13,507.58	869.38
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	13,932.99	869.38
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	24,022.62	1,066.97
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	24,448.03	1,066.97
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	33,295.49	1,811.26
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	33,805.98	1,811.26
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	50,815.82	2,415.02
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	51,027.41	2,415.02

40 23 51 00-0041 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	1,298.96	130.13
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	1,528.46	130.13
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	1,441.59	200.74
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	1,672.21	200.74
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	2,270.86	252.06
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	2,501.47	252.06
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	2,785.75	322.08
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	3,065.63	322.08
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	4,527.04	392.10
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	4,806.91	392.10
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	5,362.04	476.12
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	5,722.52	476.12
40 23 51 00-0054	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	7,025.97	632.27
40 23 51 00-0055	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	7,384.21	632.27
40 23 51 00-0056	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	8,308.46	695.50
40 23 51 00-0057	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	8,666.70	695.50
40 23 51 00-0058	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	10,642.30	771.38
40 23 51 00-0059	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	11,083.38	771.38
40 23 51 00-0060	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	18,286.73	869.38
40 23 51 00-0061	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	14,521.85	869.38
40 23 51 00-0062	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	29,934.70	1,066.97
40 23 51 00-0063	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	29,934.70	1,066.97
40 23 51 00-0064	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	46,159.67	1,811.26
40 23 51 00-0065	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	46,159.67	1,811.26
40 23 51 00-0066	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	63,546.78	2,415.02
40 23 51 00-0067	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	63,546.78	2,415.02

40 23 51 00-0068 Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0069	EA	4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	803.47	201.24
40 23 51 00-0070	EA	6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	1,349.80	280.07
40 23 51 00-0071	EA	8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N)	2,384.94	320.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N)	3,384.03	392.10
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N)	4,242.19	475.26
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N)	6,052.00	632.27
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N)	7,497.94	695.50
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N)	9,695.66	772.77
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N)	13,002.69	869.38
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N)	25,609.14	1,070.00
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N)	34,816.64	1,844.19
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N)	50,255.43	2,305.24

40 23 51 00-0081 Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0082		4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP)	4,685.37	200.74
40 23 51 00-0083		6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP)	5,144.26	252.06
40 23 51 00-0084		8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP)	5,689.35	322.08
40 23 51 00-0085		10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP)	6,567.84	392.10
40 23 51 00-0086		12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP)	8,390.25	476.12
40 23 51 00-0087		14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP)	10,186.14	632.27
40 23 51 00-0088		16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP)	12,013.85	695.50
40 23 51 00-0089		18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP)	14,097.16	771.38
40 23 51 00-0090		20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP)	17,580.94	869.38
40 23 51 00-0091		24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP)	33,077.13	1,066.97

40 23 51 00-0092 Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves *(40 23 51)*

40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	5,053.77	130.13
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	5,325.13	200.74
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	6,153.28	252.06
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	7,002.91	322.08
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,863.69	392.10
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	12,430.56	476.12
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	19,465.85	632.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC)	29,809.57	695.50
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC)	30,361.17	771.38
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC)	30,939.32	869.38
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC)	35,343.00	1,066.97
40 23 51 00-0104		**Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*LW)	787.42	101.91
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*LW)	938.67	130.13
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*LW)	1,330.56	200.74
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*LW)	1,812.21	252.06
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*LW)	2,623.10	322.08
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*LW)	3,968.12	392.10
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*LW)	5,855.09	476.12
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*LW)	9,151.35	632.27
40 23 51 00-0113		16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*LW)	11,279.38	695.50
40 23 51 00-0114		18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*LW)	13,618.22	771.38
40 23 51 00-0115		20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*LW)	15,276.73	869.38
40 23 51 00-0116		24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*LW)	23,109.71	1,066.97
40 23 51 00-0117		**Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valves** *(40 23 51)*		
40 23 51 00-0118	EA	2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	855.42	101.93
40 23 51 00-0119	EA	3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	961.67	130.13
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,198.56	200.74
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	1,507.21	252.06
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	1,962.10	322.08
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	2,802.12	392.10
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,12,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	3,719.09	476.12
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,14,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	4,658.35	632.27
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,16,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	5,902.38	695.50
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,18,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	8,407.22	771.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,20,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	10,018.73	869.38
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,24,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	14,658.71	1,066.97
40 23 51 00-0130		**Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valves** *(40 23 51)*		
40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1.2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	4,350.13	57.34
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	4,553.42	101.91
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	5,485.67	130.13
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	5,939.56	200.74
40 23 51 00-0135		**Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves** *(40 23 51)*		
40 23 51 00-0136		2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	3,099.42	101.91
40 23 51 00-0137		4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	5,144.56	200.74
40 23 51 00-0138		6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	7,016.21	252.06
40 23 51 00-0139		8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	9,128.10	322.08
40 23 51 00-0140		10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	12,294.12	392.10
40 23 51 00-0141		12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	18,602.09	476.12
40 23 51 00-0142		14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	27,980.77	632.27
40 23 51 00-0143		16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	44,830.38	695.50
40 23 51 00-0144		18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	52,832.22	771.38
40 23 51 00-0145		20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	67,217.73	869.38
40 23 51 00-0146		**Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves** *(40 23 51)*		
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,125.42	101.91
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,216.01	110.86
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	1,858.56	200.74
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	1,965.56	200.74
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,592.21	252.06
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,699.21	252.06
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,316.10	322.08
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,424.10	322.08
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	4,640.12	392.10
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	4,748.12	392.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	5,950.09	476.12
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	6,058.09	476.12
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	8,367.35	632.27
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	8,475.35	632.27
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16)	10,748.38	695.50
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	10,915.38	695.50
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	14,049.22	771.38
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	14,217.22	771.38
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	16,820.73	869.38
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30)	17,346.73	869.38
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16)	28,608.71	1,066.97
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20)	28,965.71	1,066.97
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	56,200.07	1,811.26
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik HP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	56,404.07	1,811.26
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	71,899.77	2,415.02
40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	72,104.77	2,415.02

40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits *(40 23 51)*

40 23 51 00-0174		2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	235.86
40 23 51 00-0175		4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	660.08
40 23 51 00-0176		6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	825.47
40 23 51 00-0177		8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	981.66
40 23 51 00-0178		10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	2,303.82
40 23 51 00-0179		12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	2,793.36
40 23 51 00-0180		14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,747.79
40 23 51 00-0181		16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,190.61

40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	2,239.63	119.74
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	2,671.36	200.74
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,054.95	252.06
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,805.06	322.08
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,076.04	392.10
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	7,050.58	476.12
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	10,302.07	632.27
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	11,565.75	695.50
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	13,996.66	771.38
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	14,938.08	869.38
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	27,435.52	1,066.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0194		**Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves** *(40 23 51)*		
40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	1,577.11	119.74
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	1,978.61	200.74
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,316.08	252.06
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,184.41	322.08
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	4,396.28	392.10
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,746.48	476.12
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	9,733.14	632.27
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,970.96	695.50
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	13,178.97	771.38
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	14,067.44	869.38
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	24,608.11	1,066.97
40 23 51 00-0206		**125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves** *(40 23 51)*		
40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	5,437.71	119.74
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	5,677.33	200.74
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	7,441.38	252.06
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	8,708.69	322.08
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	12,632.22	392.10
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,713.83	476.12
40 23 51 00-0213		**Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves** *(40 23 51)*		
40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	1,327.04	119.74
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	1,559.76	200.74
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,407.88	252.06
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,675.55	322.08
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	3,212.92	392.10
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,588.82	476.12

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